Verbal approval plan to City of Petro Tech on 5/2

PETRO TECH
1903 San Miguel Avenue
Santa Rosa CA 95403
(707) 544-8324
FAX (707) 578-7145

91 APR 29 AM 11:14

April 23, 1991

Alameda County Health Agency
Division of Hazardous Materials
Department of Environmental Health
Attn: Mr. Lawrence Seto
80 Swan Way, Room 200
Oakland, CA 94621

Dear Mr. Seto,

Please find for your review the enclosed scope of works and site specific safety plan for the proposed limited excavation and sampling of waste oil contaminated soils at Grimit Auto Service 1970 Seminary Drive, Oakland.

As Mr. Grimit's financial resources appear to be limited I have tailored our scope of works and contract to allow for the required works to be conducted with the minimum of excess expense to Mr. Grimit and with regards to your wished to remove as much of the contaminated soils as practical from the former waste oil excavation.

Mr. Grimit would like to proceed with this work as soon as practical. Please inform me as soon as possible after you have reviewed the enclosed, so that we may make any necessary changes or schedule the work should the enclosed be acceptable to you. We will contact you to schedule an inspector to oversee the sampling procedures per your previous request.

Wayne S. Wellock

Wayne S. Wellock

Scope of Works
Grimit's Auto Service
1970 Seminary Drive, Oakland

SITE HISTORY: The subject site consists of an automotive service station. The business conducted on the premises consisted of the storage and sale of gasoline for automobiles and mechanical service of automobiles. The nature of this business required that waste crankcase oils and gasoline be stored underground in single walled steel storage tanks. Three 550 gallon underground gasoline tanks and one 200 gallon waste oil tank were removed by Petro Tech on 11-20-89 with required soil samples being extracted and analyzed for the stored contents. The results of those analysis are known to be reported by NET Pacific Inc., log #8644, project #0380. The samples from beneath the removed gasoline tanks indicated low levels of gasoline and its constituents. The samples from beneath the waste oil tank indicated moderate levels of total oil and grease, diesel, and motor oil, with some indications of benzene, toluene, ethylbenzene, and total xylenes (gasoline constituents).

Samples from beneath the waste oil tank consisted of discolored earth which appeared to represent that soil which was most heavily contaminated. Analysis of these heavily contaminated soils does not indicate light volatile hydrocarbons associated with solvents both chlorinated and non-chlorinated by method 8240. As these constituents are not indicated further sampling for these constituents does not appear to be necessary.

PROPOSED EXCAVATION OF SOILS: Petro Tech proposes to utilize a backhoe/loader to conduct one day of excavation of soils which is practical to remove the majority of accessible contaminated soils (approximately 30 cubic yards) from within the former waste oil tank excavation without encroaching upon adjoining property or disturbing adjacent utility services or adjacent permanent structures. The purpose of the excavation effort is solely designed to provide a practical removal of the majority of the accessible soils which are contaminated with concentrated petroleum hydrocarbons which may continue to migrate into surrounding soils and ground water if not removed from the underground environment. The primary goal of the excavation effort is to arrest the saturated soils to inhibit or otherwise arrest any further future saturation of otherwise uncontaminated soils and or waters.

SAMPLING OF EXCAVATION AND REMOVED SOILS: Prior to filling the excavation Petro Tech shall extract soil media samples from the excavation at the rate of one sample per side wall and one sample per floor of the excavation in the presence of the local health inspector. One composite soil sample shall be extracted from the stockpile of removed soils to provide initial characterization of the removed soils for purposes of proper disposal. All soils shall be analyzed for TPH as gasoline with BTEX&E, TPH as diesel and motor oil, total oil and grease (polar and non polar), and for 5 R.C.R.A. heavy metals. The 5 R.C.R.A. heavy metals are provided as previous sampling did not analyzed for these contaminates as is currently required and requested by the local agency. All samples shall be properly extracted and preserved and still be delivered directly transported to a State approved laboratory for analysis.

BACKFILLING THE EXCAVATION: The excavation conducted by Petro Tech will be filled on the same day of the initial excavation after the practical removal of soils has been achieved. Prior to filling the excavation it shall be lined with filter fabric and then filled with clean imported pea gravel to a level 18-24" below grade. The installed pea gravel will be covered with filter fabric prior to installing and compacting the final 18-24" of clean imported earthen soils necessary to cap the excavation and to finish the excavation to surrounding finished grade.

STOCKPILING REMOVED SOILS: All removed soils shall be laid upon plastic sheeting within the existing fencing enclosure. Stockpiled soils will be covered at days end with plastic sheeting and such sheeting shall be further anchored to inhibit release of hydrocarbons via evaporation, to protect the stockpiled soils from atmospheric or surface moisture, and to insure the integrity of the sheeting cover.

DISPOSAL OF REMOVED SOILS: The disposal of soils is not provide in the scope of this propose outline of works as the law requires that soils be properly characterized prior to disposal. Further sampling for purposes of characterizing for disposal may be necessary pending the results of the proposed initial characterization analysis.

PETRO TECH
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Santa Rosa CA 95403
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CA Contractors Lic. #518471 A, C61/D40, HAZ
CA Tank Testing Lic. #99-1861

Site Specific Safety Plan

GENERAL INFORMATION

Site: Grimit Auto Service
1970 Seminary Drive
Oakland, CA

Job Number: (TBA)

Project Manager: Wayne S. Wellert

Site Safety Officer: Wayne S. Wellert

Project Description: Waste oil contaminated soils excavation/sampling.

Project Hazard Summary: low

SITE/WASTE CHARACTERISTICS

Type(s) of Hazardous Materials Stored: Automotive Waste (liquid)

Material Characteristics: Combustible

Levels of Expected Contaminates: Initial soil samples extracted at the time of the tank removal on 11/20/89 indicate 7200 ppm total oil & grease, 760 ppm motor oil, 360 ppm diesel, 160 ppb benzene, 710 ppbethylbenzene, 510 ppb toluene, and 2600 ppb total xylenes.

Type of Removed Container: 200 gallon single walled steel tank.

On-Site Utilities: Underground natural gas and water service to structure located in south wall of excavation. Electrical and phone service overhead, municipal sewer service underground at north east of property. No other underground utilities known within 10' of proposed excavation.

Site/Equipment Access: Area to be excavated is limited on three sides by main structures and adjoining property line. Access to the excavation will be via driving over former gasoline tank excavation. Equipment access to the excavation site is limited to the east side of the excavation only.

PERSONAL PROTECTIVE EQUIPMENT

The Environmental Protection Agency (EPA) has specified protective clothing and equipment for various environmental response activities. Equipment to protect the human body from contact with chemical hazards has been divided into four individual category levels known as "A", "B", "C", and "D", depending on the level of anticipated hazard and material(s) handled. Level A equipment is to be utilized when the highest degree of personal protection is desired. Level D equipment is to be utilized when the minimum degree of protection is desired. The known chemical hazards associated with petroleum products is typically low however, under some conditions petroleum hydrocarbons may become concentrated and pose a greater threat to safety.

Level C Equipment: NIOSH/MSHA approved air purifying respirator, chemical resistant clothing, chemical resistant gloves, chemical resistant boots with steel toe and shank, and hard hat.

Level D Equipment: Coveralls , gloves, steel toed boots, safety glasses or chemical splash goggles. Tyvec overalls recommended.

PERSONAL PROTECTION POLICY

Half-mask air purifying cartridge respirators (organic vapor cartridge with dust prefilter) are required when the breathing zone atmosphere contains more than 100 ppm (parts per million) of hazardous vapors, or when significant vapor readings are detected, or when chemical contaminate odor is detected. Respirators are to be leak fitted prior to each use. The wearer of a respirator shall be properly trained as to the proper use and fitting of such a device.

Hooded, disposable, protective clothing is required whenever working around hazardous liquids or sludges, or whenever there is a sufficient possibility of coming into skin contact with a hazardous substance of any form. All disposable clothing worn by on-site personnel will be placed in an appropriate disposal container at the end of each day. Protective clothing will be immediately replaced if torn or otherwise damaged so as to reduce its protective abilities.

Any direct skin contact with hazardous substances will be immediately tended to and removed by local washing with soap and water, or by showering, or water dowsing, as necessary to ensure proper decontamination of the affected bodily surfaces.

Neoprene boots, gloves, and chemical goggles, in addition to protective clothing, are required whenever working in or around hazardous liquids or pooling contamination. All visitors and non-essential personnel will be evacuated from the work or restricted area whenever there is pooling of liquid contamination.

Pooling liquid will be investigated and identified immediately to determine possible hazards, and cleaned up as soon as is practical. All work will stop upon finding of pooling liquid until fire safety has been determined and liquid is properly neutralized or removed.

All work will be stopped when flammable vadose readings exceed 10% of the lower explosive level (LEL), or whenever readings exceed 100 ppm. Action must be taken to reduce the level of flammable vapors prior to continuing works.

CONTAINING CONTAMINATION

Contaminated soils or solid materials encountered will be properly covered and otherwise secured on-site to protect against rain or water infiltration, further contamination of earth or other materials, excessive vapor emissions, or contact by non-authorized personnel.

Minor liquid contamination will be absorbed utilizing absorbent pads or other containment method so as to reduce and contain such liquids. Any soils effected by the liquid release will be immediately removed and placed above ground in a drum or stockpile as necessary. Pooling hazardous liquids will be diked or otherwise contained as best as is practical to inhibit further migration.

MONITORING AND SAFETY EQUIPMENT

Every and all on site personnel shall wear hard hat, gloves, and steel toed safety boots. At least one (1) 20 lb. ABC fire extinguisher shall be maintained in the premises and shall be available to all personnel. A ladder shall be provide at all sites of excavation to allow personnel to enter and exit excavations. **NO PERSON IS ALLOWED TO ENTER AN EXCAVATION GREATER THAN 5' IN DEPTH WITHOUT AN OSHA PERMIT AND INSPECTION!** The ladder shall be used in excavations of 5' in depth or greater only to allow persons to exit the excavation in a emergency should the need arise. All equipment must be grounded when any atmospheres which exceed 10% LEL are present on the job-site. A portable CGI (combustible gas indicator) shall be present on-site at all times that flammable vapors or atmospheres may be present. An adequate supply of dry ice shall be available to inert and maintain explosive atmospheres (generally 15-30 lbs. per 1,000 gallons of capacity to be inerted. Whenever atmospheres within the breathing zone are found to contain more than 100 ppm flammable vapor or when oxygen is below 19.5% the Site Safety Officer Shall be notified.

SITE ENTRY PROCEDURES

Prior to commencing work activities all on-site personnel shall familiarize themselves with the site and with the contents and requirements of this Site Safety Plan. All necessary or required equipment shall be located, inventoried, and inspected prior to conducting work.

NOTICE TO SITE PERSONNEL

All site personnel and visitors must read this Site Safety Plan (SSP). This applies to contractor/owner/operator, visitors, and any and all on-site personnel who may enter designated work areas. Visitors entering work or restricted areas enter at their own risk and must obtain authorization to enter such areas from the Health and Safety

Coordinator (RSC) or Prime Contractor only. Visitors will be required to adhere to all requirements of this SSP and shall adhere to all orders as issued by the RSC or the Prime Contractor.

There will be no smoking, eating, or drinking allowed within work areas where contamination is known or suspected.

All on-site personnel must adhere to all applicable OSHA and EPA safety rules and regulations.

PERMITS & AGENCY NOTIFICATION

Prior to conducting works applicable permits must be obtained and local regulatory agencies must be notified, including local fire, local health, local air quality, local building, ect. Prior to commencing any excavation works notify U.S.A. to have any underground utilities located and marked. Local health department shall be notified to be on-site to witness sampling proceedures.

SITE SECURITY

All open excavations shall be adequately marked and/or barricaded. Any excavations in excess of 5' in depth which are not being guarded by an employee of Petro Tech must be fenced with 6' high fencing until the excavation has been filled. Fencing shall be installed beyond the perimeter of the 2:1 or 45 degree slope from the toe of the nearest cut to provide integrity to the fencing should the excavation collapse. An adequate supply of security fencing, barricades, and other necessary security devices shall be available for use on the site. All excavations shall be secured by a proper method prior to leaving the site. NO EXCAVATION SHALL BE LEFT UNMANNED OR OTHERWISE UNSECURED!

SAMPLING EQUIPMENT

If sampling at the job site is required a complete sampling kit shall be on site with any necessary preservatives. Sampling shall be conducted only by knowledgeable personnel using approved methods and techniques.

EMERGENCY SAFETY SUPPLIES

Each service crew shall maintain an adequate supply of personal safety equipment as follows:

1 each -- Half-mask cartridge respirator per man
1 each -- Additional cartridge respirator per crew as a spare
1 each -- 20lb. ABC dry chemical fire extinguisher
1 each -- Emergency eye wash kit
1 each -- First aid kit
1 pair -- Neoprene safety boots per man
50 each -- Absorbent pads of 18"x18" in size
50 gal. -- Double-wall plastic bags

1 pair -- Chemical goggles per man
4 each -- Respirator replacement cartridges
1 pair -- Chemical gloves per man
1 each -- Respirator fit test kit
2 each -- Protective coveralls per man

EMERGENCY PROCEDURES

The Health and Safety Coordinator (HSC) shall be notified immediately of any injury or accident occurring at this site. Any injury suspected by the HSC to be severe in nature, or otherwise in need of immediate special medical attention, shall be reported to the nearest medical facility. It is the responsibility of the HSC to ensure that immediate medical attention is provided.

The following is a list of emergency phone numbers if an injury should require off-site medical aid:

Police, Ambulance, Paramedics	911
Chemical Spills	(800) 424-8802
Utilities Emergency	(800) 642-2444
Local Hospital	911
Local Fire & Police Departments	911

end

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I/we, the undersigned, do hereby acknowledge reading this SITE SAFETY PLAN. Furthermore, upon my signature, I/we, do fully understand all meaning as contained herein, and agree to follow all standards as outlined herein or otherwise set forth.

NAME	REPRESENTING	DATED

NATIONAL ENVIRONMENTAL TESTING, INC.

NET Pacific, Inc.
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623

Wayne Wellock
Petrotech
1903 San Miguel Ave.
Santa Rosa, CA 95403

Date: 12-05-89
NET Client Acct. No: 546
NET Pacific Log No: 8644
Received: 11-20-89 1050

Client Reference Information

Proj# 0380

Dear Mr. Wellock:

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:

Judy Kelley for
Jules Skamarack
Laboratory Manager

/ma
Enclosure(s)

mailed to CO + Cust 11-8-89

SAMPLE DESCRIPTION: #1 S tank9.5'W.11-17-89 1315
LAB Job No: (-39992)

Parameter	Reporting Limit	Results	Units
PETROLEUM HYDROCARBONS	--	--	
VOLATILE (SOIL)	--	--	
DILUTION FACTOR *		1	
DATE ANALYZED		12-01-89	
METHOD GC FID/5030	--	--	
as Gasoline	10	22	mg/Kg
METHOD 8020	--	--	
Benzene	25	ND	ug/Kg
Ethylbenzene	75	ND	ug/Kg
Toluene	25	ND	ug/Kg
Xylenes, total	75	ND	ug/Kg

SAMPLE DESCRIPTION: #2 S tank7.5'E.11-17-89 1325
LAB Job No: (-39993)

Parameter	Reporting Limit	Results	Units
PETROLEUM HYDROCARBONS	--	--	
VOLATILE (SOIL)	--	--	
DILUTION FACTOR *		1	
DATE ANALYZED		11-30-89	
METHOD GC FID/5030	--	--	
as Gasoline	10	ND	mg/Kg
METHOD 8020	--	--	
Benzene	25	ND	ug/Kg
Ethylbenzene	75	ND	ug/Kg
Toluene	25	ND	ug/Kg
Xylenes, total	75	ND	ug/Kg

SAMPLE DESCRIPTION: #6 N tank9.5'W.11-17-89 1435
LAB Job No: (-39994)

Parameter	Reporting Limit	Results	Units
PETROLEUM HYDROCARBONS	--	--	
VOLATILE (SOIL)	--	--	
DILUTION FACTOR *		1	
DATE ANALYZED		12-01-89	
METHOD GC FID/5030	--	--	
as Gasoline	10	ND	mg/Kg
METHOD 8020	--	--	
Benzene	25	68	ug/Kg
Ethylbenzene	75	ND	ug/Kg
Toluene	25	ND	ug/Kg
Xylenes, total	75	ND	ug/Kg

SAMPLE DESCRIPTION: #7 N tank9.5'E.11-17-89 1445
LAB Job No: (-39995)

Parameter	Reporting Limit	Results	Units
PETROLEUM HYDROCARBONS	--	--	
VOLATILE (SOIL)	--	--	
DILUTION FACTOR *		1	
DATE ANALYZED		12-01-89	
METHOD GC FID/5030	--	--	
as Gasoline	10	21	mg/Kg
METHOD 8020	--	--	
Benzene	25	2400	ug/Kg
Ethylbenzene	75	320	ug/Kg
Toluene	25	2900	ug/Kg
Xylenes, total	75	1700	ug/Kg

Client: 546
NET Log No: 8644

Date: 12-05-89

SAMPLE DESCRIPTION: #3 w.oilex5'SSW 11-17-891400
LAB Job No: (-39996)

Parameter	Reporting Limit	Results	Units
Oil & Grease (total)	50	5,500	mg/Kg
PETROLEUM HYDROCARBONS		--	
EXTRACTABLE (SOIL)		--	
DILUTION FACTOR *		1	
DATE EXTRACTED		11-30-89	
DATE ANALYZED		11-30-89	
METHOD GC FID/3550		--	
as Diesel	1	360	mg/Kg
as Motor Oil	10	760	mg/Kg
METHOD 8240			
DATE ANALYZED		11-22-89	
DILUTION FACTOR *		1	
Benzene	25	93	ug/Kg
Bromodichloromethane	25	ND	ug/Kg
Bromoform	25	ND	ug/Kg
Bromomethane	25	ND	ug/Kg
Carbon tetrachloride	25	ND	ug/Kg
Chlorobenzene	25	ND	ug/Kg
Chloroethane	25	ND	ug/Kg
2-Chloroethyl Vinyl Ether	50	ND	ug/Kg
Chloroform	25	ND	ug/Kg
Chloromethane	25	ND	ug/Kg
Dibromochloromethane	25	ND	ug/Kg
1,2-Dichlorobenzene	25	ND	ug/Kg
1,3-Dichlorobenzene	25	ND	ug/Kg
1,4-Dichlorobenzene	25	ND	ug/Kg
1,1-Dichloroethane	25	ND	ug/Kg
1,2-Dichloroethane	25	ND	ug/Kg
1,1-Dichloroethene	25	ND	ug/Kg
trans-1,2-Dichloroethene	25	ND	ug/Kg
1,2-Dichloropropane	25	ND	ug/Kg
cis-1,3-Dichloropropene	25	ND	ug/Kg
trans-1,3-Dichloropropene	25	ND	ug/Kg
Ethylbenzene	25	480	ug/Kg
Methylene chloride	25	ND	ug/Kg
1,1,2,2-Tetrachloroethane	25	ND	ug/Kg
Tetrachloroethene	25	55*	ug/Kg
Toluene	25	510	ug/Kg
1,1,1-Trichloroethane	25	ND	ug/Kg
1,1,2-Trichloroethane	25	ND	ug/Kg
Trichloroethene	25	ND	ug/Kg
Trichlorofluoromethane	25	ND	ug/Kg
Vinyl chloride	25	ND	ug/Kg
Xylenes, total	25	1,700	ug/Kg

Client: 546
NET Log No: 8644

Date: 12-05-89

SAMPLE DESCRIPTION: #4 w.oilex6'SWW 11-17-891410
LAB Job No: (-39997)

Parameter	Reporting Limit	Results	Units
Oil & Grease (total)	50	7,200	mg/Kg
PETROLEUM HYDROCARBONS		--	
EXTRACTABLE (SOIL)		--	
DILUTION FACTOR *		1	
DATE EXTRACTED		11-30-89	
DATE ANALYZED		11-30-89	
METHOD GC FID/3550		--	
as Diesel	1	190	mg/Kg
as Motor Oil	10	460	mg/Kg
METHOD 8240			
DATE ANALYZED		11-22-89	
DILUTION FACTOR *		2	
Benzene	25	160	ug/Kg
Bromodichloromethane	25	ND	ug/Kg
Bromoform	25	ND	ug/Kg
Bromomethane	25	ND	ug/Kg
Carbon tetrachloride	25	ND	ug/Kg
Chlorobenzene	25	ND	ug/Kg
Chloroethane	25	ND	ug/Kg
2-Chloroethyl Vinyl Ether	50	ND	ug/Kg
Chloroform	25	ND	ug/Kg
Chloromethane	25	ND	ug/Kg
Dibromochloromethane	25	ND	ug/Kg
1,2-Dichlorobenzene	25	ND	ug/Kg
1,3-Dichlorobenzene	25	ND	ug/Kg
1,4-Dichlorobenzene	25	ND	ug/Kg
1,1-Dichloroethane	25	ND	ug/Kg
1,2-Dichloroethane	25	ND	ug/Kg
1,1-Dichloroethene	25	ND	ug/Kg
trans-1,2-Dichloroethene	25	ND	ug/Kg
1,2-Dichloropropane	25	ND	ug/Kg
cis-1,3-Dichloropropene	25	ND	ug/Kg
trans-1,3-Dichloropropene	25	ND	ug/Kg
Ethylbenzene	25	810	ug/Kg
Methylene chloride	25	ND	ug/Kg
1,1,2,2-Tetrachloroethane	25	ND	ug/Kg
Tetrachloroethene	25	ND	ug/Kg
Toluene	25	400	ug/Kg
1,1,1-Trichloroethane	25	ND	ug/Kg
1,1,2-Trichloroethane	25	ND	ug/Kg
Trichloroethene	25	ND	ug/Kg
Trichlorofluoromethane	25	ND	ug/Kg
Vinyl chloride	25	ND	ug/Kg
Xylenes, total	25	2,400	ug/Kg

SAMPLE DESCRIPTION: method blank
LAB Job No: (-39998)

Parameter	Reporting Limit	Results	Units
METHOD 8240			
DATE ANALYZED		11-22-89	
DILUTION FACTOR *		1	
Benzene	25	ND	ug/Kg
Bromodichloromethane	25	ND	ug/Kg
Bromoform	25	ND	ug/Kg
Bromomethane	25	ND	ug/Kg
Carbon tetrachloride	25	ND	ug/Kg
Chlorobenzene	25	ND	ug/Kg
Chloroethane	25	ND	ug/Kg
2-Chloroethyl Vinyl Ether	50	ND	ug/Kg
Chloroform	25	ND	ug/Kg
Chloromethane	25	ND	ug/Kg
Dibromochloromethane	25	ND	ug/Kg
1,2-Dichlorobenzene	25	ND	ug/Kg
1,3-Dichlorobenzene	25	ND	ug/Kg
1,4-Dichlorobenzene	25	ND	ug/Kg
1,1-Dichloroethane	25	ND	ug/Kg
1,2-Dichloroethane	25	ND	ug/Kg
1,1-Dichloroethene	25	ND	ug/Kg
trans-1,2-Dichloroethene	25	ND	ug/Kg
1,2-Dichloropropane	25	ND	ug/Kg
cis-1,3-Dichloropropene	25	ND	ug/Kg
trans-1,3-Dichloropropene	25	ND	ug/Kg
Ethylbenzene	25	ND	ug/Kg
Methylene chloride	25	ND	ug/Kg
1,1,2,2-Tetrachloroethane	25	ND	ug/Kg
Tetrachloroethene	25	ND	ug/Kg
Toluene	25	ND	ug/Kg
1,1,1-Trichloroethane	25	ND	ug/Kg
1,1,2-Trichloroethane	25	ND	ug/Kg
Trichloroethene	25	ND	ug/Kg
Trichlorofluoromethane	25	ND	ug/Kg
Vinyl chloride	25	ND	ug/Kg
Xylenes, total	25	ND	ug/Kg

Client: 546
NET Log No: 8644

Date: 12-05-89

SAMPLE DESCRIPTION: #5center8'WE 11-17-89 1425
LAB Job No: (-39999)

Parameter	Reporting Limit	Results	Units
Organic Lead	0.05	ND	mg/Kg
PETROLEUM HYDROCARBONS	--	--	
VOLATILE (SOIL)	--	--	
DILUTION FACTOR *		1	
DATE ANALYZED		12-01-89	
METHOD GC FID/5030	--	--	
as Gasoline	10	20	mg/Kg
METHOD 8020	--	--	
Benzene	25	ND	ug/Kg
Ethylbenzene	75	ND	ug/Kg
Toluene	25	31	ug/Kg
Xylenes, total	75	200	ug/Kg

KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in results column indicates analyte not detected at the value following, which supercedes the listed reporting limit.
mean	:	Average; sum of measurements divided by number of measurements.
mg/Kg (ppm)	:	Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
mg/L	:	Concentration in units of milligrams of analyte per liter of sample.
mL/L/hr	:	Milliliters per liter per hour.
MPN/100 mL	:	Most probable number of bacteria per one hundred milliliters of sample.
N/A	:	Not applicable.
NA	:	Not analyzed.
ND	:	Not detected; the analyte concentration is less than applicable listed reporting limit.
NTU	:	Nephelometric turbidity units.
RPD	:	Relative percent difference, 100 [Value 1 - Value 2]/mean value.
SNA	:	Standard not available.
ug/Kg (ppb)	:	Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
ug/L	:	Concentration in units of micrograms of analyte per liter of sample.
umhos/cm	:	Micromhos per centimeter.

Method References

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

* Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated reporting limits by the dilution factor.

435 TESCONI CIRCLE
SANTA ROSA, CA 95401
TEL: 707-526-7200
FAX: 707-526-9623

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
0380	Grimmit Auto

SAMPLERS: (Signature) Neil Dech

STA. NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	TPH Gas+BTXE	Total Organic Lead	TPH Heavy	Oil & Grease	8240	REMARKS
#1	11/17	1315		X	So. Tank 9½' West		X					
#2	11/17	1325		X	So. Tank 7½ East		X					
#3	11/17	1400		X	Waste Oil Exc. 5' S.S.W.				X	X	X	
#4	11/17	1410		X	Waste Oil Exc. 6' Sidewall west				X	X	X	
#5	11/17	1425		X	Center Tank 8' West End		X	X				
#6	11/17	1435		X	No. Tank 9½' West		X					
#7	11/17	1445		X	No. Tank 9½' East		X					

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Neil Dech			Patricia Wilhide		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
		J Schwartz	11-20-87 1050	8644	

PETRO TECH
1903 San Miguel Avenue
SANTA ROSA, CALIFORNIA 95403
(707) 544-TECH

Site Grimit Auto #0380

Address

Scale

Drawn By Neil Decker

Drawing of

Page 1 of 1

Date 11/17