ATT

Aqua Terra Technologies
Consulting Engineers
& Scientists

2950 Buskirk Avenue
Suite 120
Walnut Creek, CA
94596
415 934-4884

October 23, 1990

Mr. Denis Delehanty
Volvo-GM Heavy Truck Corporation
7900 National Service Road
Greensboro, North Carolina 27409-6115

Subject: **Phase II Site Assessment for the Property Located at**
750 50th Avenue
Oakland, California
(ATT Project No. 9197)

Dear Mr. Delehanty:

Aqua Terra Technologies, Inc. (ATT) is pleased to present the results from the Phase II site assessment performed at the subject property.

The site occupies approximately 1-1/4 acres of land in a heavy industrial area of Oakland, Alameda County, California. An office building, built in 1974, is located in the north corner of the subject property. The area immediately adjacent to the property is landscaped. The remaining area is asphalt paved and is currently being used for parking by the adjacent business, AAA Equipment Sale. The site is bounded by 50th Avenue to the northwest, Southern Pacific railway to the northeast, and by the Volvo-GM facility and grounds to the south.

The preliminary site assessment (Phase I) completed by Blymer Engineers, Inc. established that the Leona Chemical Company, the Barbour Chemical Works, and the Metals Extraction Corporation had previously operated facilities on the subject property. The objective of the Phase II site investigation was to determine whether contamination to the subsurface soil and groundwater had occurred. Aerial photographs from 1957 and 1959 were used to determine appropriate soil and monitoring well locations. Areas where above ground storage tanks were located in aerial photographs, were investigated.

On September 5, 1990 ATT drilled four soil borings and installed four groundwater monitoring wells at the locations shown on Plate 1 (Attachment A). Groundwater monitoring wells were placed in three corners of the property. Utility lines prohibited placement in all four corners; therefore, the fourth well was placed in the center of the subject property. Soil samples were collected from discrete points in the soil borings and monitoring wells.

Regional Geology and Hydrogeology

The site is approximately one-half mile east of San Leandro Bay. Information on the geology and hydrogeology of the area was obtained from "Geohydrology and Groundwater - Quality Overview, East Bay Plain Area, Alameda County, California 205(j) Report" (Hickenbottom and Muir, June 1988). The subject property is located within the East Bay Plain portion of the San Francisco Bay Depression, a broad irregular downwarp complicated by primarily northwest trending faults. The overall terrain has been modified by erosion and deposition.

The site sits on the Holocene aged Bay Mud geologic unit (approximately 11,000 years old). The Bay Mud is an unconsolidated, dark grey plastic, silty clay, rich in organic materials. The permeability of the unit is low although it is water saturated. Where construction has occurred,

the Bay Mud is usually covered with fill material. Groundwater flows east to the bay and tidal fluxes are limited because of the density of the Bay Mud.

Subsurface Soils

Boring B1 was continuously sampled and logged for a comprehensive understanding of subsurface soil conditions. The area investigated is asphalt paved. The asphalt is underlain with approximately three feet of gravel and soil fill. This is uniformly underlain by approximately three feet of organic silty clay. A four-foot thick wood pile was encountered in MW4. The silty clay overlies a ten to eleven foot thick unit of saturated sandy clay to clayey sand. Beneath this unit, a slightly damp, silty clay was encountered. Subsurface soil cross-sections are illustrated in Plates 2 and 3 (Attachment A). Soil boring and monitoring well lithologic logs are provided in Attachment B.

Soil Samples

All borings were advanced using an eight-inch hollow stem auger. A two-inch California split spoon sampler, lined with six-inch long pre-cleaned brass tubes, was used to collect soil samples for lithologic identification or laboratory analysis. Soil samples designated for laboratory analysis were capped with teflon sheeting and plastic end caps. The end caps were secured using duct tape. Sample labels with the sample identification number, collection time and date, requested analyses, and samplers initials were affixed to the brass tube. The samples were placed in a dry ice cooled container until delivery to the analytical laboratory.

A total of 13 soil samples were collected from between five and ten feet below the ground surface and following the sampling protocol provided in Attachment C. Soil samples were visually examined and classified using the Unified Soil Classification System. Soil samples were analyzed by a California Department of Health Services (DHS) certified laboratory. Because of historical property use, chemical analysis included volatile and semi-volatile organic chemicals (EPA methods 8240 and 8270), sulfide and sulfate content, and the 17 metals identified in the California Code of Regulations Title 22, Section 66696. These analyses encompass common contaminants possible on the subject property considering historical use. Laboratory reports, chain of custody documentation, and sample collection records are provided in Attachment D.

The organic chemicals acetone, 2-butanone (methyl ethyl ketone or MEK), 4-methyl-2-pentanone (methyl isobuytl ketone or MIBK), and carbon disulfide were detected in three of the soil samples collected. All concentrations were less than 0.1 mg/Kg.

These levels not a concern according to PRGs.

Metals concentrations are presented in Table 1 (Attachment A). Zinc was detected at high concentrations in the ten foot soil samples collected from boring B2 and from the soil sample collected from monitoring well MW2 in the southern most corner of the property. Concentrations of zinc in the soil were ~~14.9~~ and ~~14.0~~ mg/Kg, respectively.

14,900 14,000

See Table 1

Monitoring Wells

The monitoring wells were installed using eight-inch hollow stem augers. The augers were steam cleaned prior to and between use in each well. The wells are seated approximately 30 feet below ground surface and are screened from 10 to 30 feet below ground surface with machine slotted screen (0.020-inches) using schedule 40 PVC casing. The monitoring well lithologic logs and well development data are provided in Attachment B. Monitoring well installation protocol is provided in Attachment C.

The monitoring wells were developed using a Brainard-Kilman hand pump. Between 12 and 22 gallons were purged during well development. Groundwater samples were collected on September 27, 1990. Three well volumes were purged, using a new precleaned Voss disposal polyethylene bailer, prior to sample collection. The volatile organic sample was collected first in forty-milliliter vials. The sample was preserved with hydrochloric acid at a pH of less than 2. The vials were sealed with teflon^{R}-lined septum caps. The sample collected for metals analysis was field-filtered on 0.45 μm filter paper and field preserved with 0.1 molar nitric acid at a pH of less than 2. The samples were analyzed by a DHS laboratory for volatile and semi-volatile organic chemicals (EPA methods 8240 and 8270), and the 17 metals identified in the California Code of Regulations Title 22, Section 66696.

No organic chemicals were detected in the groundwater. The metals detected were arsenic, cadmium, cobalt, copper, nickel, and zinc. Arsenic was detected in one monitoring well, MW2, at a concentration of 0.0667 mg/L. Cadmium was detected in wells MW1, MW2, and MW3; the concentration ranged from 0.016 to 5.1 mg/L. Copper was detected in wells MW2 and MW3 at concentrations of 0.159 and 0.506 mg/L, respectively. Nickel was detected in wells MW1, MW2, and MW3; concentrations ranged from 0.308 to 4.640 mg/L. Zinc was detected in all four wells; concentrations ranged from 0.134 to 2,720 mg/L.

Groundwater levels were measured to determine the direction of flow. The groundwater levels are contoured on Plate 4 (Attachment A). The map shows a groundwater mound in the vicinity of MW2. This is caused by tidal influences in a canal approximately 140 feet west; however, it is not known to what extent tidal fluxes actually affect groundwater flow in the area. Because the highest metals concentrations were found in MW2, definition of the direction of groundwater flow and tidal influences are an important factor in determining from which direction the contaminants are emanating.

California Code of Regulations, Title 22, Section 66693 defines a hazardous waste by Total Threshold Limit Concentration (TTLC) and Soluble Threshold Limit Concentration (STLC). If the concentrations detected exceed the TTLC the material is hazardous; TTLC values are presented in Table 1 (Attachment A). Management of the material as a hazardous waste is required; this will include appropriate disposal at a Class I landfill or treatment.

Conclusions

Soil and groundwater contamination are present on the site. High zinc concentrations were detected in boring B2 and monitoring well MW2. Both borings are located in the southern

corner of the property. However, review of the 1957 aerial photograph and the Phase I site assessment showed that Chemical and Pigment Company, operations extended southeast approximately 1,250 feet and southwest to the electrical substation. In addition, investigations indicate that chemical companies operating on the site processed iron sulfide ore mined in the nearby Oakland Hills. The occurrence of heavy metals in the soil and groundwater appears to result from previous processing of the ore. Detection of zinc and other ore related elements indicates historical use has impacted soil and groundwater.

The DHS "Interim Guidance for Preparation of a Preliminary Endangerment Assessment Report", June 22, 1990 provides an initial basis for determining if hazardous substances at a site pose a threat to human health and the environment. Screening values are used as a preliminary evaluation to determine whether or not site contaminant levels are significant human health concern. Although the screening values are not absolute values of health concern and the screening values do not provide target clean-up levels, they are valuable in defining potential threats to human health from contaminants in soil and groundwater. The evaluation considers all media, i.e. concentrations found in soil, air, and water additively. If the contaminants detected exceed the screening value, then further investigation and remedial action is required at the site.

The evaluation method is to divide the chemical concentration detected, in this case zinc, by the screening value, provided in tables in the DHS guidance document. Using the detected zinc concentration in groundwater of 2,720 mg/L, as a worst case scenario, and the drinking water supply screening value which is 1 mg/L. The calculated value exceeds unity, therefore, further groundwater investigation and remedial action is required. The concentration of zinc found in soil was 14,900 mg/Kg, the DHS screening value for zinc in soil is 400 mg/Kg. The zinc concentration in the site soils also exceeds the screening level of one indicating further soil investigation and remedial action are required. The DHS screening values are based on the EPA's oral reference dose (RfD). The RfD is an estimate of a daily exposure level for the human population that is likely not to create injurious effects in a lifetime.

Recommendations

The Porter-Cologne Act, Section 13271 states that any hazardous substances that are discharged to land or the waters of the state of California should be reported to the Office of Emergency Services. ATT recommends that a copy of this Phase II investigation be submitted to the San Francisco Bay Region of the Regional Water Quality Control Board with an attached cover letter describing Volvo-GM's conceptual remedial investigation. The relevant section of the Porter-Cologne Act is provided in Attachment E.

ATT recommends that the next phase of work be a remedial investigation. The remedial investigation focuses on determining the numerous uncertainties present at the site. These include but are not limited to:

- o areal extent of soil and groundwater contamination
- o aquifer characteristics to aid designing engineered contaminant controls

The site characterization would include subsurface soil borings and installation of groundwater quality monitoring wells. Data gathered from the soil borings would be used to define the area where processed ore soils were dumped and are contributing to the degradation of groundwater quality. The groundwater monitoring wells would be used to determine the areal extent of the zinc plume. Because the Phase II investigation indicates tidal fluxes, such data will be gathered to determine tidal influence.

The aquifer characteristics would be determined by performing a long term pumping test of approximately 36 hours. This would determine the aquifers ability to transmit water, tidal flux influences on pumping, and prediction of the affect of pumping wells for remedial use.

ATT would be happy to assist Volvo-GM in the development of a site characterization plan as well as assist in the design and implementation of treatment options that are most cost-effective to remediate the contaminants.

If you have any questions please call.

Sincerely,

AQUA TERRA TECHNOLOGIES, INC.

Eve Huggins
Environmental Geologist/Project Manager

Ronald M. Block, Ph.D.
President

EH/RMB:pd

Attachments

ATTACHMENT A

Plates & Tables

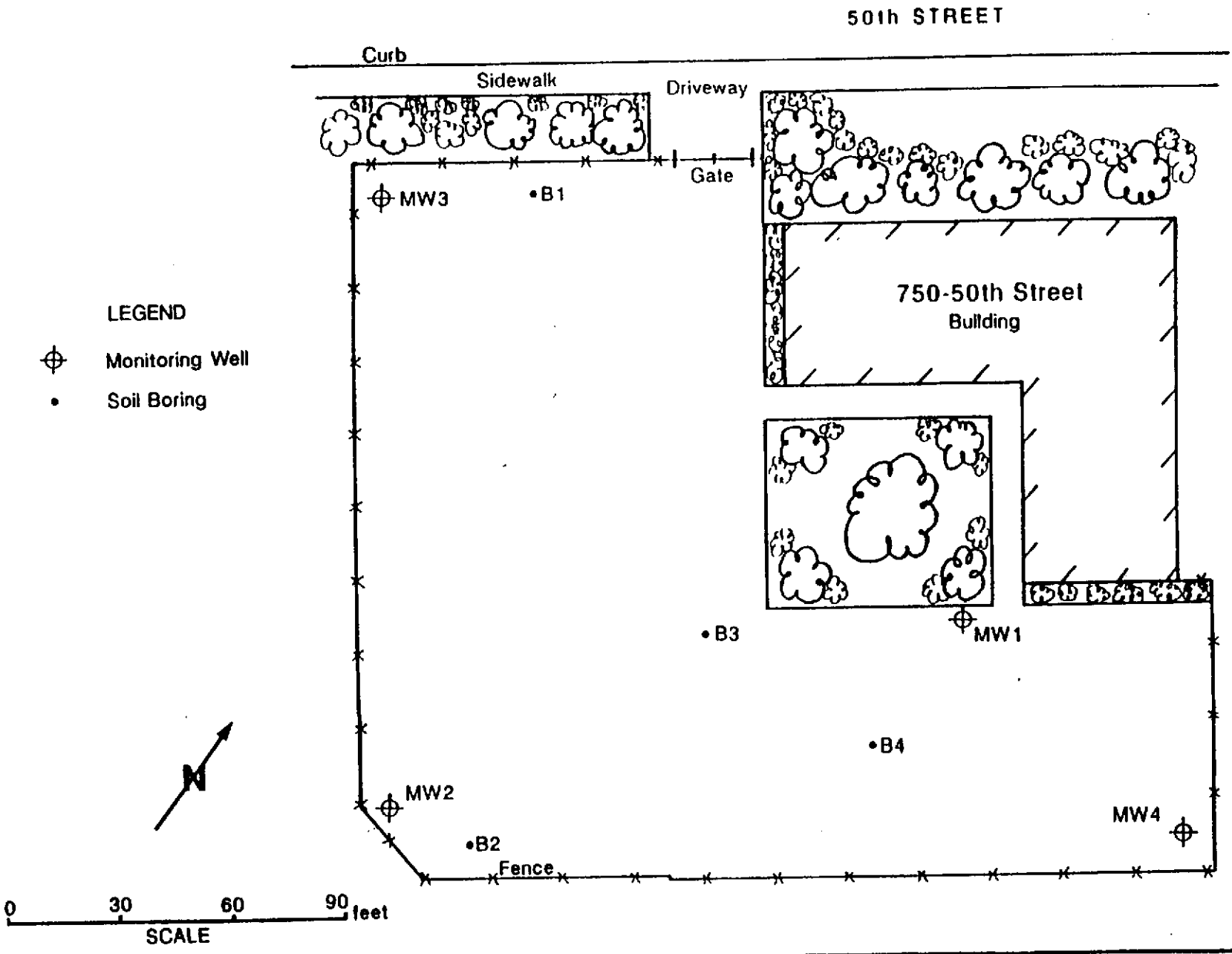
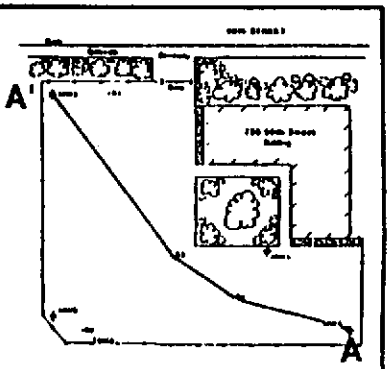


PLATE 1

ATT Aqua Terra Technologies Consulting Engineers & Scientists	Soil Boring and Monitoring Well Location Map	Volvo-GM JOB NUMBER 9197 DATE 10/90



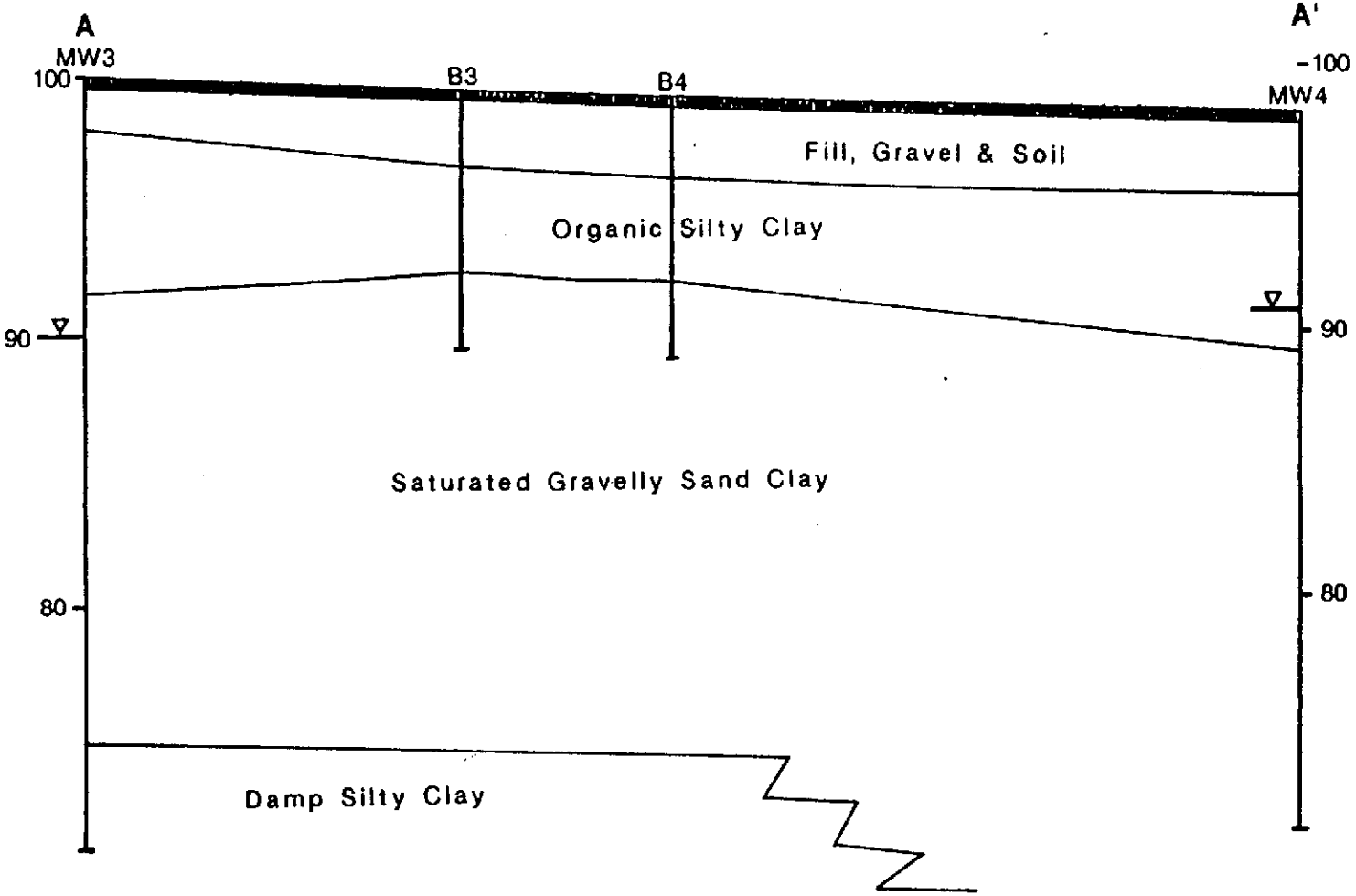
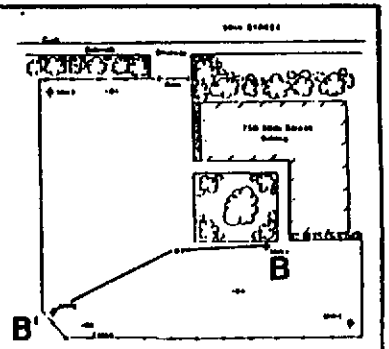


PLATE
~~3~~ 2

ATT Aqua Terra Technologies Consulting Engineers & Scientists	Geologic Cross-section A-A'	Volvo-GM
	JOB NUMBER 9197	DATE 10/90



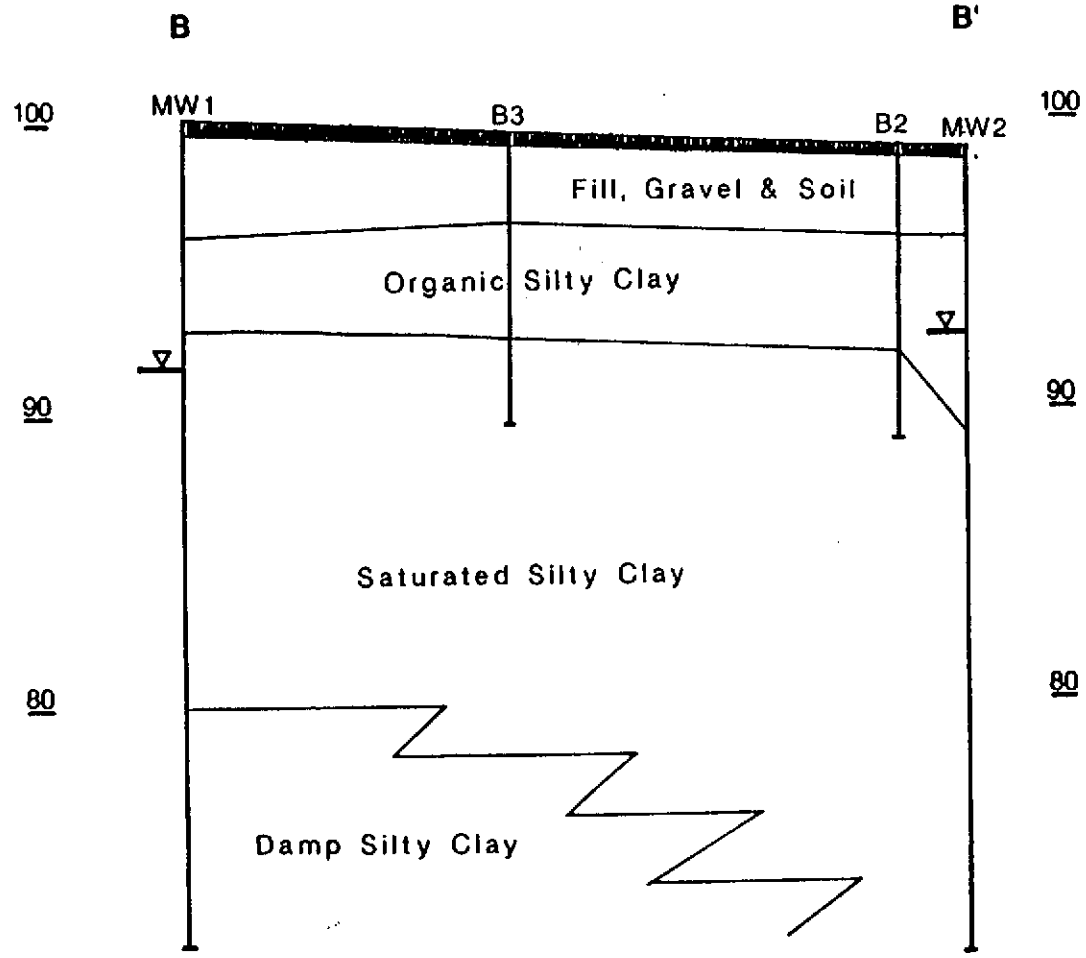


PLATE
4
3

ATT Aqua Terra Technologies Consulting Engineers & Scientists

Geologic Cross-section B-B'

Volvo-GM

JOB NUMBER	DATE
9197	10/90

ATT

Table 2. Groundwater Sample Analytical Chemistry Results
Volvo - GM
750 50th Avenue
Oakland, CA

ppm

Chemical	EPA Method	Monitoring Wells:	MW1	MW2	MW3	MW4	MCL[1]	Basin Plan
Volatile Organics	8240		ND	ND	ND	ND		
Semi Volatile Organics	8270		ND	ND	ND	ND		
Silver	6010		ND	ND	ND	ND	0.05	
Arsenic	6010		ND	0.0667	ND	ND	0.05	0.020
Barium	7060		ND	ND	ND	ND	1.0	
Beryllium	6010		ND	ND	ND	ND	--[2]	
Cadmium	6010		0.016	5.1	0.429	ND	0.01	0.010
Cobalt	6010		ND	1.72	0.557	ND	---	
Chromium, total	6010		ND	ND	ND	ND	0.05	
Copper	6010		ND	0.159	0.506	ND	1.0[3]	0.020
Mercury	7470		ND	ND	ND	ND	0.002	
Molybdenum	6010		ND	ND	ND	ND	---	
Nickel	6010		0.308	4.64	1.62	ND	---	0.0071
Lead	7421		ND	ND	ND	ND	0.005	0.0056
Antimony	6010		ND	ND	ND	ND	---	
Selenium	7740		ND	ND	ND	ND	0.01	
Thallium	7841		ND	ND	ND	ND	---	
Vanadium	6010		ND	ND	ND	ND	---	
Zinc	6010		31.8	2720	426	0.134	5.0[3]	0.058

All units are mg/L

1 MCL = Maximum Contaminant Level
2 --- = No standard established
3 Secondary drinking water standard values provide acceptable aesthetic and taste characteristics

9197-TBL.2

Table 1. Soil Sample Analytical Chemistry Results
Volvo-GM
750 50th Avenue
Oakland, California

Chemical	EPA Method	Units	Boring B1 Depth 5.0	B1 10.0	B2 10.0	B3 5.0	B3 10.0	B4 5.0	B4 10.0	MW1 5.0	MW1 10.0	MW2 5.0	MW2 10.0	MW3 10.0	MW4 10.0	TTLC[6]	STLC[7]
Acetone	8240	µg/Kg	ND[1]	ND	ND	ND	ND	46[2]	ND	ND	ND	60[2]	ND	ND	ND		
Carbon Disulfide	8240	µg/Kg	ND	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
2-Butanone[4]	8240	µg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	7[3]	ND	ND	ND		
4-Methyl-2-Pentanone[5]	8240	µg/Kg	ND	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Semi-Volatile Organics	8270	µg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Silver	6010	mg/Kg	ND	ND	ND	ND	ND	ND	ND	20.3	ND	ND	ND	ND	1.9	500	5
Arsenic	7060	mg/Kg	13.9	7.7	7.3	4.2	9.5	9.4	8.1	21.6	10.8	14.2	7.4	7.4	8.3	500	5
Barium	6010	mg/Kg	9540	1240	48.1	13.2	105	99.5	64.9	103	124	30.8	78.9	110	78.7	10000	100
Beryllium	6010	mg/Kg	ND	0.44	ND	0.29	0.31	0.27	0.28	ND	0.40	ND	ND	ND	0.27	75	0.75
Cadmium	6010	mg/Kg	0.44	0.32	52.9	6.1	2.9	20.2	4.0	0.56	1.1	11.3	38.5	2.4	ND	100	1
Cobalt	6010	mg/Kg	8.2	14.5	6.1	6.0	12.2	7.4	15.8	6.7	16.6	2.5	8.0	7.0	4.9	8000	80
Chromium, total	6010	mg/Kg	24.2	35.0	34.9	19.0	70.4	22.9	33.2	17.9	33.4	37.0	30.7	34.8	37.6	2500	560
Copper	6010	mg/Kg	129	31.1	27.7	9.4	20.9	22.1	18.9	30.9	26.1	96.2	27.9	51.2	9.3	2500	25
Mercury	7471	mg/Kg	0.16	0.24	0.048	0.031	0.16	0.029	0.046	0.17	4.3	0.055	0.050	0.064	0.11	20	0.2
Molybdenum	6010	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3500	650
Nickel	6010	mg/Kg	10.7	99.9	89.3	16.7	120	21.0	84.9	24.5	82.2	13.5	54.7	68.7	79.5	2000	20
Lead	7421	mg/Kg	5.3	3.0	1.4	4.4	3.8	12.0	5.2	527	8.3	1.6	4.1	6.0	3.8	1000	5
Antimony	6010	mg/Kg	ND	ND	ND	ND	ND	ND	ND	6.4	ND	ND	ND	ND	ND	500	15
Selenium	7740	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	1
Thallium	7841	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	700	7
Vanadium	6010	mg/Kg	31.3	41.7	22.0	17.1	37.1	19.8	20.3	14.3	33.8	19.5	27.6	31.3	16.3	2400	25
Zinc	6010	mg/Kg	1480	107	[redacted]	1630	2110	3290	3500	918	897	3800	[redacted]	1480	24.1	5000	250
Sulfide	9030	mg/Kg	250	230	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND		
Sulfate	300.0	mg/Kg	1.6	5.8	10200	5.9	906	65.3	31.2	0.9	200	1200	7530	6.6	72.2		

1 ND = Not detected
2 Chemical detected in associated method blank
3 Chemical detected at an amount below the reporting limit, 20µg/Kg, and should be considered an approximate value.
4 2-Butanone synonyms: methyl ethyl ketone, MEK
5 4-Methyl-2-Pentanone synonyms: methy isobutyl ketone, MIBK
6 TTLC = Toxic Threshold Limit Concentration, concentration defining substance as hazardous waste under California Code Title 22, may be applied to soil
7 STLC = Soluble Threshold Limit Concentration, concentration defining substance as hazardous waste under California Title 22, may be applied to water

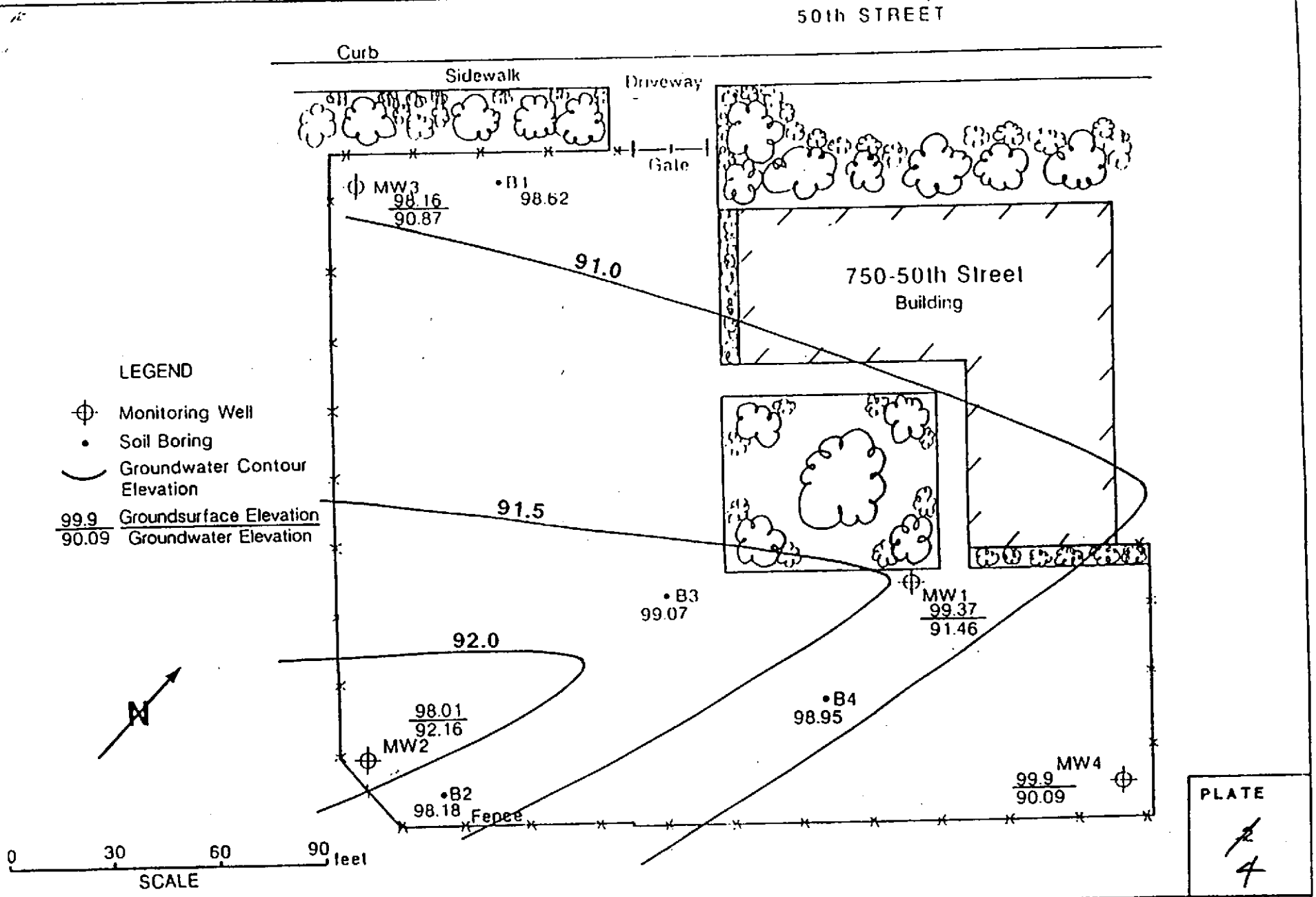


PLATE 4

ATT Aqua Terra Technologies Consulting Engineers & Scientists

Groundwater Elevation Contours

Volvo-GM

JOB NUMBER	DATE
9197	10/90

ATTACHMENT B

Soil Boring & Monitoring Wells Lithologic Logs
Well Development Record

AQUA TERRA TECHNOLOGIES INC.

Log of Exploratory Boring

Project: Volvo-GM/White Job No.: 9197

Location: 750 50th Avenue, Oakland, CA Date: 9-5-90

Boring No.: MW1* Driller: West Hazmat Page 1 of 2

Geologist: Bruce Berman Proj. Mgr. Eve Huggins Surface Elev. :

Penetration (Blows/ 6")	Depth	U.S.C.S. Soil Class.	Field Description	Remarks
	0	Asphalt	0'-0.3' Asphalt	
	1		0.3'-4' Gravel and soil fill, base material; yellowish brown; gravel 1/2" to 2", angular.	
	2	Fill		
	3			
	4		4'-5' Silty Clay; black; fill material	
	5	Fill	5'-7' Fine sand; clean; loose; with chunks of broken brick; fill material.	5' Sample
6,5,3	6			
	7		7'-8.5' Silty Clay; gray (5Y 5/1) with greenish tint; minor component of fine to coarse sand; minor iron staining; minor calciferous/sulfur deposits (white); medium to high plasticity; slightly damp.	
	8			
	9			
	10	CL	8.5'-12' Gravelly/sandy clay; yellowish brown (10YR 5/4); 10% fine sand; 20% + medium gravel, 1/4"-1", angular, varying composition; poorly graded; slightly damp to moist.	10' Sample
25,30,31	11			
	12		12'-16' Clay, sandy; olive (5Y 5/3); 20% very fine sand; very minor component of small rootlets; very stiff to hard; slightly damp; occasional thin lenses (0.3') of clayey sand (50% + fine sand, moist).	
	13			
	14			
	15			
	16			16' First Water, slow charging
	17	SC	16'-17' Sand, clayey; 80% + fine Sand, clayey; 80% + fine sand; wet	

* Continuously logged using an 18" x 2" i.d. split spoon sampler.

AQUA TERRA TECHNOLOGIES INC.

Field Drilling and Sampling Log

Job No: 9197

Penetration (Blows/ 6")	Depth	U.S.C.S. Soil Class.	MW1 Field Description	Remarks
	17	CL/SC	17'-20'Clayey sand to sandy clay; olive (5Y 5/3): 20% to 80% fine sand; minor iron staining; moist to saturated	
	18			
	19			
	20	CL	20'-22' Silty clay; olive (5Y 5/3); little or no sand; medium to high plasticity; very stiff to hard; slightly damp.	
	21			
	22	SC	22'-23.5' Sand, clayey; as above	
	23	CL	23.5'-28' Silty clay; as above	
	24			
	25			
	26			
	27			
	28		E.O.H. @ 28'	
	29			
	30			
	31			
	32			
	33			
	34			
	35			
	36			
	37			
	38			
	39			

9197/GMWHITE2.LOG

AQUA TERRA TECHNOLOGIES INC.

Log of Exploratory Boring

Project: Volvo-GM/White Job No.: 9197

Location: 750 50th Avenue, Oakland, CA Date: 9-5-90

Boring No.: MW2 Driller: West Hazmat Page 1 of 2

Geologist: Bruce Berman Proj. Mgr. Eve Huggins Surface Elev. :

Penetration (Blows/ 6")	Depth	U.S.C.S. Soil Class.	Field Description	Remarks
	0	Asphalt	0'-0.3' Asphalt	
	1		0.3'-3' Gravel and soil fill material	
	2	Fill		
	3		3'-9.5' Silty Clay; black (5Y 2.5/1); minor component of fine sand; very moist; soft to firm	
	4			
	5			5' Sample
3,4,4	6	CL		
	7			
	8		9.5'-10.5' Gravelly/sandy clay; yellowish brown (10YR 5/4); slightly damp to moist.	
	9			
	10	CL		10' Sample
8,8,10	11		10.5'-27' Silty clay; olive (5Y 5/3); very stiff to hard; slightly damp.	10.5' First water
	12			
	13			
	14	CL		
	15			
	16			
	17			

9197/GMWHTMW2.LOG

AQUA TERRA TECHNOLOGIES INC.

Field Drilling and Sampling Log

Job No: 9197

Penetration (Blows/ 6")	Depth	U.S.C.S. Soil Class.	MW2 Field Description	Remarks
	17			
	18			
	19			
	20			
	21	CL		
	22			
	23			
	24			
	25			
	26			
	27		E.O.H. @ 27'	
	28			
	29			
	30			
	31			
	32			
	33			
	34			
	35			
	36			
	37			
	38			
	39			

AQUA TERRA TECHNOLOGIES INC.

Log of Exploratory Boring

Project: Volvo-GM/White Job No.: 9197

Location: 750 50th Avenue, Oakland, CA Date: 9-5-90

Boring No.: MW3 Driller: West Hazmat Page 1 of 2

Geologist: Bruce Berman Proj. Mgr. Eve Huggins Surface Elev. :

Penetration (Blows/ 6")	Depth	U.S.C.S. Soil Class.	Field Description	Remarks
	0	Asphalt	0'-0.3' Asphalt	
	1	Fill	0.3'-3' Gravel and soil fill material.	
	2			
	3		3'-9' Silty clay; black (5Y 2.5/1); minor component of fine sand; very moist; soft to firm.	
	4			
	5			5' No sample recovery
7,5,5	6	CL		
	7			
	8			8' Static water level (hole open overnight)
	9		9'-13' Gravelly/sandy clay; yellowish brown (10YR 5/4); slightly damp to moist.	
	10			10' Sample, first water
25,38,25	11	CL		
	12			
	13		13'-27' Silty/sandy clay; olive (5Y 5/3); minor component of fine sand; very stiff to hard; slightly damp.	
	14			
	15	CL		
	16			
	17			

9197/GMWHTMW3.LOG

AQUA TERRA TECHNOLOGIES INC.

Field Drilling and Sampling Log

Job No: 9197

Penetration (Blows/ 6")	Depth	U.S.C.S. Soil Class.	MW3 Field Description	Remarks
	17			
	18			
	19			
	20			
	21	CL		
	22			
	23			
	24			
	25			
	26			
	27		E.O.H. @ 27'	
	28			
	29			
	30			
	31			
	32			
	33			
	34			
	35			
	36			
	37			
	38			
	39			

9197/GMWHTMW3.LOG

AQUA TERRA TECHNOLOGIES INC.

Log of Exploratory Boring

Project: Volvo-GM/White Job No.: 9197

Location: 750 50th Avenue, Oakland, CA Date: 9-5-90

Boring No.: MW4 Driller: West Hazmat Page 1 of 2

Geologist: Bruce Berman Proj. Mgr. Eve Huggins Surface Elev. :

Penetration (Blows/ 6")	Depth	U.S.C.S. Soil Class.	Field Description	Remarks
	0	Asphalt	0'-0.3' Asphalt	
	1	Fill	0.3'-2' Gravel and soil fill material.	
	2		2'-8' Wood; wood pulp; decaying organic matter; some peat; fill material.	
	3			
	4			
	5			
	6			
	7			7' No sample recovery
28,18,19	8		8'-10'Silty Clay; gray (5Y 5/1) with greenish tint; minor component of fine to coarse sand; minor iron staining; minor calciferous/sulfur deposits (white); medium to high plasticity; damp.	
	9	CL		
	10			10' Sample
18,21,24	11	CL	10'-13' Gravelly/sandy clay; yellowish brown (10YR 5/4); 10% fine sand; 20% medium to coarse sand; 20% + medium gravel; poorly graded; slightly damp to moist.	
	12			
	13		13'-17' Clay, sandy; olive (5Y 5/3); 20% very fine sand; very minor component of small rootlets; very stiff to hard; slightly damp.	
	14			
	15	CL		17' First Water, slow charging
	16			
	17			

9197/GMWHTMW4.TBL

AQUA TERRA TECHNOLOGIES INC.

Field Drilling and Sampling Log

Job No: 9197

Penetration (Blows/ 6")	Depth	U.S.C.S. Soil Class.	MW4 Field Description	Remarks
	17			
	18		17'-25' Clayey sand to sandy clay; olive (5Y 5/3); 20% to 80% fine sand; minor iron staining; moist to saturated.	
	19			
	20	CL/SC		
	21			
	22			
	23			
	24			
	25		25'-29' Silty clay; olive (5Y 5/3); little or no sand; medium to high plasticity; very stiff to hard; slightly damp.	
	26			
	27	CL		
	28			
	29		E.O.H. @ 29'	
	30			
	31			
	32			
	33			
	34			
	35			
	36			
	37			
	38			
	39			

AQUA TERRA TECHNOLOGIES INC.

Log of Exploratory Boring

Project: Volvo-GM/White Job No.: 9197

Location: 750 50th Avenue, Oakland Date: 9-6-90

Boring No.: B1 Driller: West Hazmat Page 1 of 1

Geologist: Bruce Berman Proj. Mgr. Eve Huggins Surface Elev. :

Penetration (Blows/ 6")	Depth	U.S.C.S. Soil Class.	Field Description	Remarks
	0	Asphalt	0'-0.3' Asphalt	
	1	Fill	0.3'-2' Gravel and soil base, fill material, yellowish brown	
	2	Fill	2'-3' Wood, wood pulp, decaying organic matter, fill material	
	3	Fill?, OL	3'-10' Silty clay; black (5Y 2.5/1); soft; highly organic (some coal-like material); moist to dry (Fill?)	
	4			
	5			5' Sample
20,21,50	6			
	7		Some fine sand below 7', increase in moisture content, wet to saturated below 10'	
	8			
	9			
	10		E.O.H. @ 10'	10' Sample, first water
3,7,50	11			
	12			
	13			
	14			
	15			
	16			
	17			

9197/LOG.B1

AQUA TERRA TECHNOLOGIES INC.

Log of Exploratory Boring

Project: Volvo-GM/White Job No.: 9197

Location: 750 50th Avenue, Oakland Date: 9-5-90

Boring No.: B2 Driller: West Hazmat Page 1 of 1

Geologist: Bruce Berman Proj. Mgr. Eve Huggins Surface Elev. :

Penetration (Blows/ 6")	Depth	U.S.C.S. Soil Class.	Field Description	Remarks
	0	Asphalt	0'-0.3' Asphalt	
	1		0.3'-3' Gravel and soil base, fill material, yellowish brown	
	2	Fill		
	3		3'-7' Silty clay; black (5Y 2.5/1); soft; highly organic; moist; fill?	
	4			
	5	OH, Fill?		5' No sample recovery
3,4,4	6			
	7		7'-10' Sandy clay; olive (5Y 5/3); 20% + very fine sand; soft; moist	
	8	CL		
	9			
	10		E.O.H. @ 10'	10' Sample, first water
6,12,20	11			
	12			
	13			
	14			
	15			
	16			
	17			

9197/LOG.B1

AQUA TERRA TECHNOLOGIES INC.

Log of Exploratory Boring

Project: Volvo-GM/White Job No.: 9197

Location: 750 50th Avenue, Oakland Date: 9-6-90

Boring No.: B3 Driller: West Hazmat Page 1 of 1

Geologist: Bruce Berman Proj. Mgr. Eve Huggins Surface Elev. :

Penetration (Blows/ 6")	Depth	U.S.C.S. Soil Class.	Field Description	Remarks
	0	Asphalt	0'-0.3' Asphalt	
	1		0.3'-3' Gravel and soil base, fill material, yellowish brown	
	2	Fill		
	3		3'-7' Silty clay; black (5Y 2.5/1); soft; highly organic; moist; fill?	
	4	OH, Fill?		
	5			5' Sample
3,3,5	6			
	7		7'-10' Gravelly/sandy clay to clayey gravel/sand; yellowish brown (10YR 5/4); 20% to 80% fine sand to medium gravel; poorly graded; moist	
	8	CL/GC		
	9			
	10		E.O.H. @ 10'	10' Sample
6,9,9	11			
	12			
	13			
	14			
	15			
	16			
	17			

9197/LOG.B1

AQUA TERRA TECHNOLOGIES INC.

Log of Exploratory Boring

Project: Volvo-GM/White Job No.: 9197

Location: 750 50th Avenue, Oakland Date: 9-6-90

Boring No.: B4 Driller: West Hazmat Page 1 of 1

Geologist: Bruce Berman Proj. Mgr. Eve Huggins Surface Elev. :

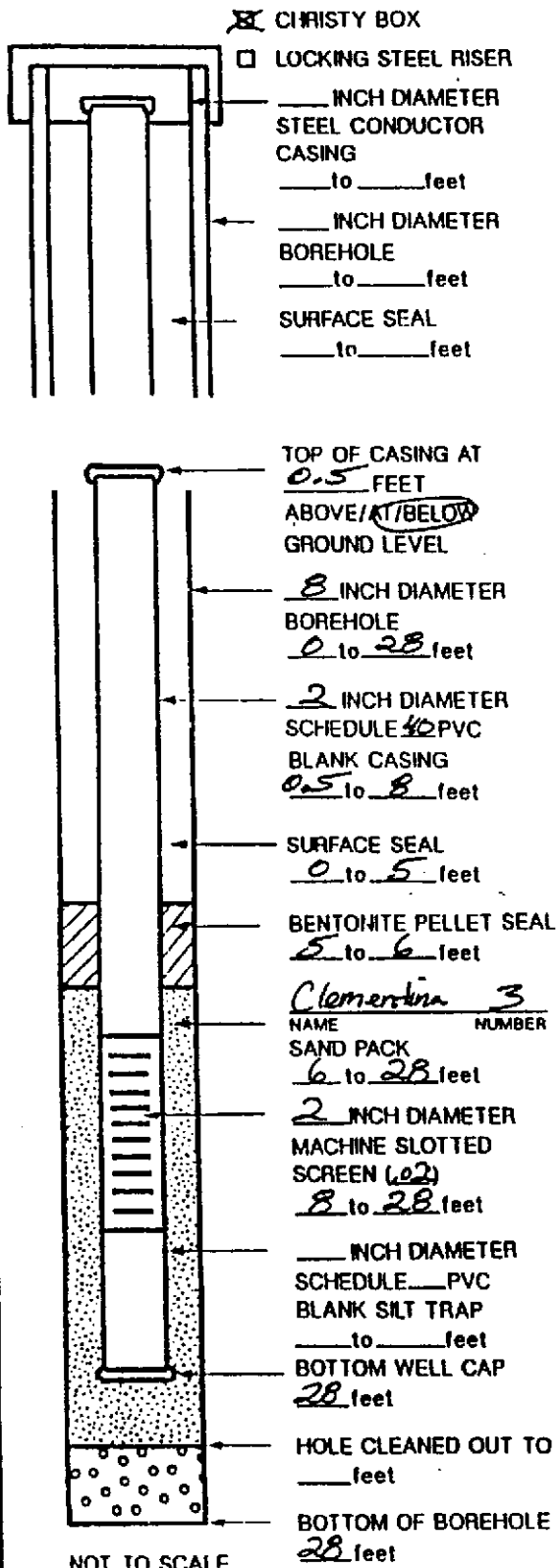
Penetration (Blows/ 6")	Depth	U.S.C.S. Soil Class.	Field Description	Remarks
	0	Asphalt	0'-0.3' Asphalt	
	1		0.3'-3' Gravel and soil base, fill material, yellowish brown	
	2	Fill		
	3		3'-7' Silty clay; black (5Y 2.5/1); soft; highly organic; moist; fill?	
	4			
	5	OH, Fill?		5' Sample
6,7,7	6			
	7		10' Sandy clay; olive (5Y 5/3) to yellowish brown (10YR 5/4); 40% + fine sand; firm; moist	
	8	CL		
	9			
	10		E.O.H. @ 10'	10' Sample
9,14,21	11			
	12			
	13			
	14			
	15			
	16			
	17			

9197/LOG.B1

ATT

WELL CONSTRUCTION AND DEVELOPMENT DETAILS

ATT



NOT TO SCALE

ADDITIONAL INFORMATION:

JOB NAME	Volvo - White		
JOB NUMBER	9197	PROJECT MANAGER	EH
LOGGED BY	BB	EDITED BY	BB
WELL DESIGNATION	MW1	DATE	9-5-90
DRILLING COMPANY	West Hazmat		
EQUIPMENT:	☐ ____ INCH ROTARY WASH ☒ 8 INCH HOLLOW STEM AUGER ☐ ____ INCH DUAL TUBE	DRILLER HOURS DRILLED	Mark
VOLUME OF WATER USED DURING DRILLING:		GALLONS	
METHOD OF DECONTAMINATION PRIOR TO DRILLING:	steam cleaning		

DEVELOPMENT

METHOD OF DEVELOPMENT:	Hand Pump		
DEVELOPMENT BEGAN:	DATE 9-26-90	TIME	12:38
YIELD: ____ GPM	TIME: FROM ____ TO ____	DATE:	
YIELD: ____ GPM	TIME: FROM ____ TO ____	DATE:	
DEVELOPMENT ENDED:	DATE 9-26-90	TIME	12:58
TOTAL WATER REMOVED DURING DEVELOPMENT:	12 GALLONS		

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: ☐ CLEAR ☒ SLIGHTLY CLOUDY ☐ MOD. TURBID ☐ VERY MUDDY

ODOR OF WATER: slight odor

WATER DISCHARGED TO: ☐ GROUND SURFACE ☐ STORM SEWERS ☐ TANK TRUCK ☐ STORAGE TANK ☒ DRUMS ☐ OTHER

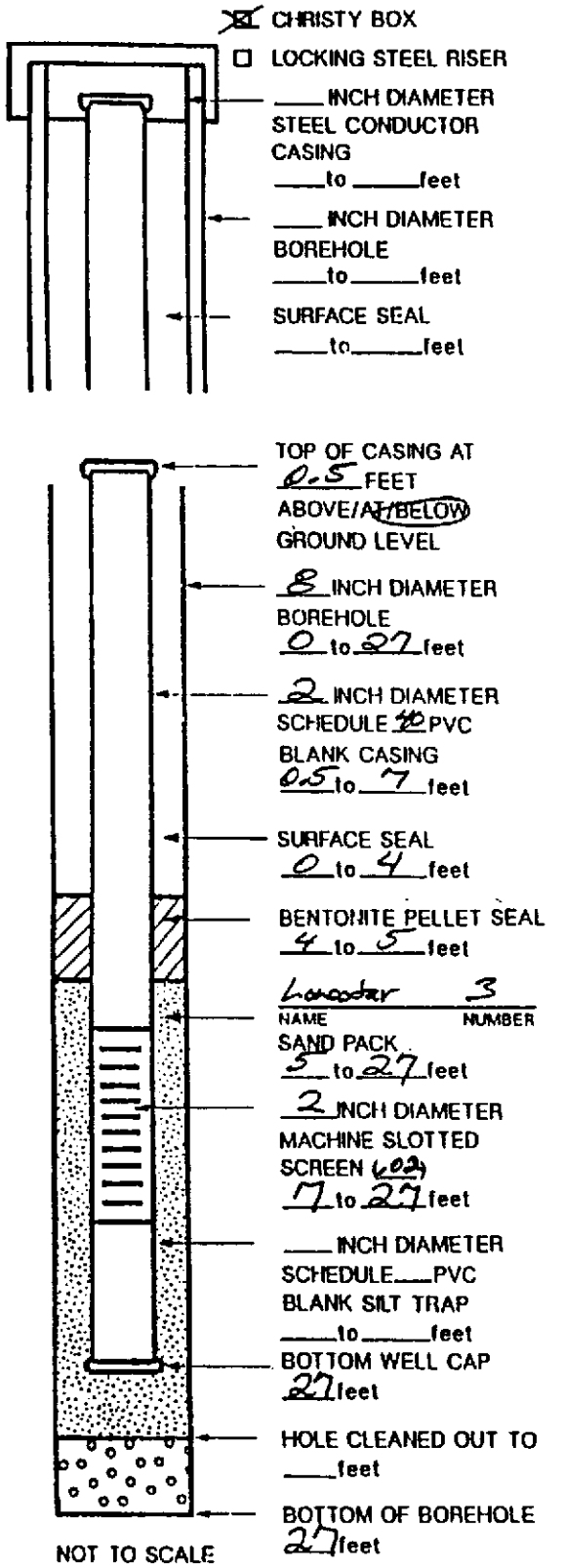
DEPTH TO WATER AFTER DEVELOPMENT ____ FEET

MATERIALS USED

____ SACKS OF ____ SAND
____ SACKS OF ____ CEMENT
____ GALLONS OF GROUT USED
____ SACKS OF POWERED BENTONITE
____ POUNDS OF BENTONITE PELLETS
____ FEET OF ____ INCH PVC BLANK CASING
____ FEET OF ____ INCH PVC SLOTTED SCREEN
____ FEET OF ____ INCH STEEL CONDUCTOR CASING

GROUT PUMP USED? ☐ YES ☐ NO
TREMIE PIPE USED? ☐ YES ☐ NO
WELL COVER USED ☐ LOCKING STEEL COVER ☐ CHRISTY BOX ☐ OTHER ____
SILT TRAP USED? ☐ YES ☐ NO

WELL CONSTRUCTION AND DEVELOPMENT DETAILS



NOT TO SCALE

ADDITIONAL INFORMATION:

JOB NAME	Volvo - White		
JOB NUMBER	9197	PROJECT MANAGER	EH
LOGGED BY	BB	EDITED BY	BB
WELL DESIGNATION	MW2	DATE	9-5-90
DRILLING COMPANY	West Hazmat		
EQUIPMENT:	☐ ___ INCH ROTARY WASH ☒ 8 INCH HOLLOW STEM AUGER ☐ ___ INCH DUAL TUBE	DRILLER	Mark
		HOURS DRILLED	
VOLUME OF WATER USED DURING DRILLING:		GALLONS	
METHOD OF DECONTAMINATION PRIOR TO DRILLING:	Steam cleaning		

DEVELOPMENT

METHOD OF DEVELOPMENT:	Hand Pump		
DEVELOPMENT BEGAN:	DATE 9-26-90	TIME	14:17
YIELD: ___ GPM	TIME: FROM ___ TO ___	DATE:	
YIELD: ___ GPM	TIME: FROM ___ TO ___	DATE:	
DEVELOPMENT ENDED:	DATE 9-26-90	TIME	14:44
TOTAL WATER REMOVED DURING DEVELOPMENT:	22 GALLONS		

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: ☐ CLEAR ☐ SLIGHTLY CLOUDY ☒ MOD. TURBID ☐ VERY MUDDY

ODOR OF WATER: Ø

WATER DISCHARGED TO: ☐ GROUND SURFACE ☐ STORM SEWERS ☐ TANK TRUCK ☐ STORAGE TANK ☒ DRUMS ☐ OTHER

DEPTH TO WATER AFTER DEVELOPMENT — FEET

MATERIALS USED

___ SACKS OF ___ SAND
___ SACKS OF ___ CEMENT
___ GALLONS OF GROUT USED
___ SACKS OF POWERED BENTONITE
___ POUNDS OF BENTONITE PELLETS
___ FEET OF ___ INCH PVC BLANK CASING
___ FEET OF ___ INCH PVC SLOTTED SCREEN
___ FEET OF ___ INCH STEEL CONDUCTOR CASING

GROUT PUMP USED? ☐ YES ☐ NO

TREMIE PIPE USED? ☐ YES ☐ NO

WELL COVER USED ☐ LOCKING STEEL COVER ☐ CHRISTY BOX ☐ OTHER ___

SILT TRAP USED? ☐ YES ☐ NO

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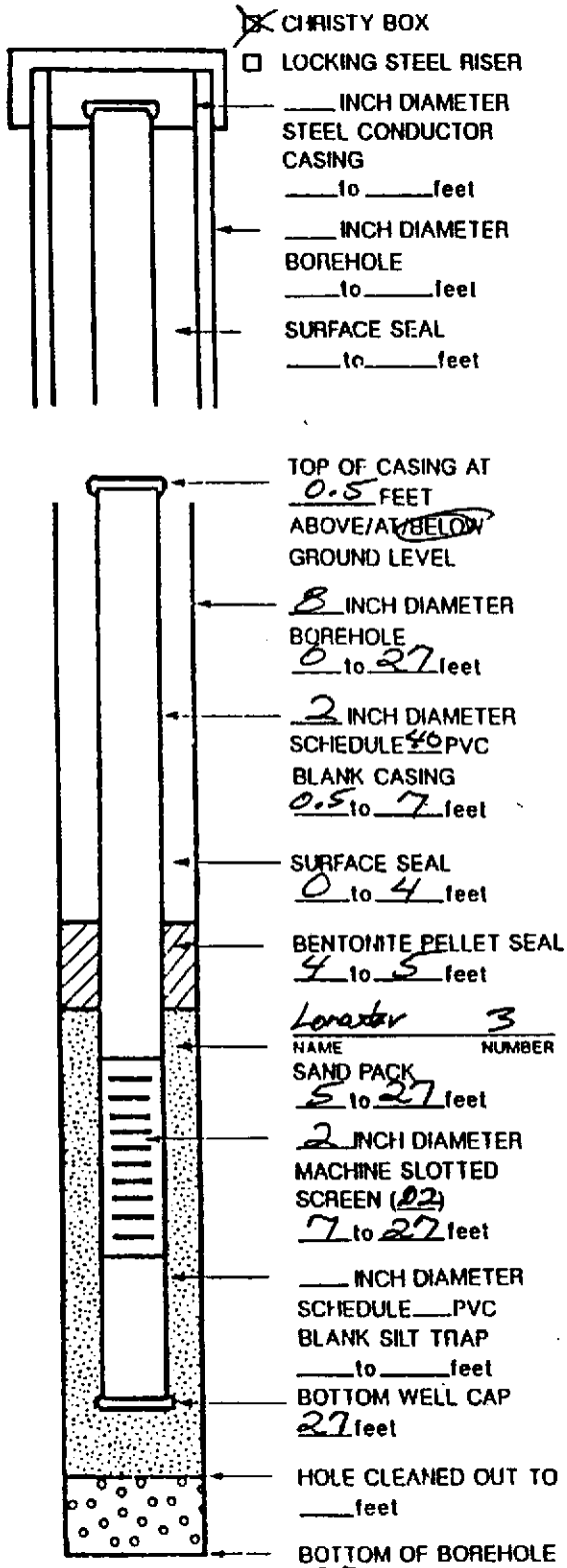
WELL CONSTRUCTION AND DEVELOPMENT DETAILS

ATT



NOT TO SCALE

ADDITIONAL INFORMATION:

JOB NAME Volvo - White

JOB NUMBER 9197 | PROJECT MANAGER EH

LOGGED BY BB | EDITED BY BB

WELL DESIGNATION MW 3 | DATE 9-5-90

DRILLING COMPANY West Hazmat

EQUIPMENT: ☐ ___ INCH ROTARY WASH ☒ 8 INCH HOLLOW STEM AUGER ☐ ___ INCH DUAL TUBE | DRILLER Mark | HOURS DRILLED

VOLUME OF WATER USED DURING DRILLING: ___ GALLONS

METHOD OF DECONTAMINATION PRIOR TO DRILLING: Steam Cleaning

DEVELOPMENT

METHOD OF DEVELOPMENT: Hand Pump

DEVELOPMENT BEGAN: DATE 9-26-90 TIME 13:25

YIELD: ___ GPM	TIME: FROM ___ TO ___	DATE:
YIELD: ___ GPM	TIME: FROM ___ TO ___	DATE:

DEVELOPMENT ENDED: DATE 9-26-90 TIME 13:43

TOTAL WATER REMOVED DURING DEVELOPMENT: 18 GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: ☐ CLEAR ☐ SLIGHTLY CLOUDY ☐ MOD. TURBID ☒ VERY MUDDY

ODOR OF WATER: 0

WATER DISCHARGED TO: ☐ GROUND SURFACE ☐ STORM SEWERS ☐ TANK TRUCK ☐ STORAGE TANK ☒ DRUMS ☐ OTHER

DEPTH TO WATER AFTER DEVELOPMENT ___ FEET

MATERIALS USED

___ SACKS OF ___ SAND

___ SACKS OF ___ CEMENT

___ GALLONS OF GROUT USED

___ SACKS OF POWERED BENTONITE

___ POUNDS OF BENTONITE PELLETS

___ FEET OF ___ INCH PVC BLANK CASING

___ FEET OF ___ INCH PVC SLOTTED SCREEN

___ FEET OF ___ INCH STEEL CONDUCTOR CASING

GROUT PUMP USED? ☐ YES ☐ NO

TREMIE PIPE USED? ☐ YES ☐ NO

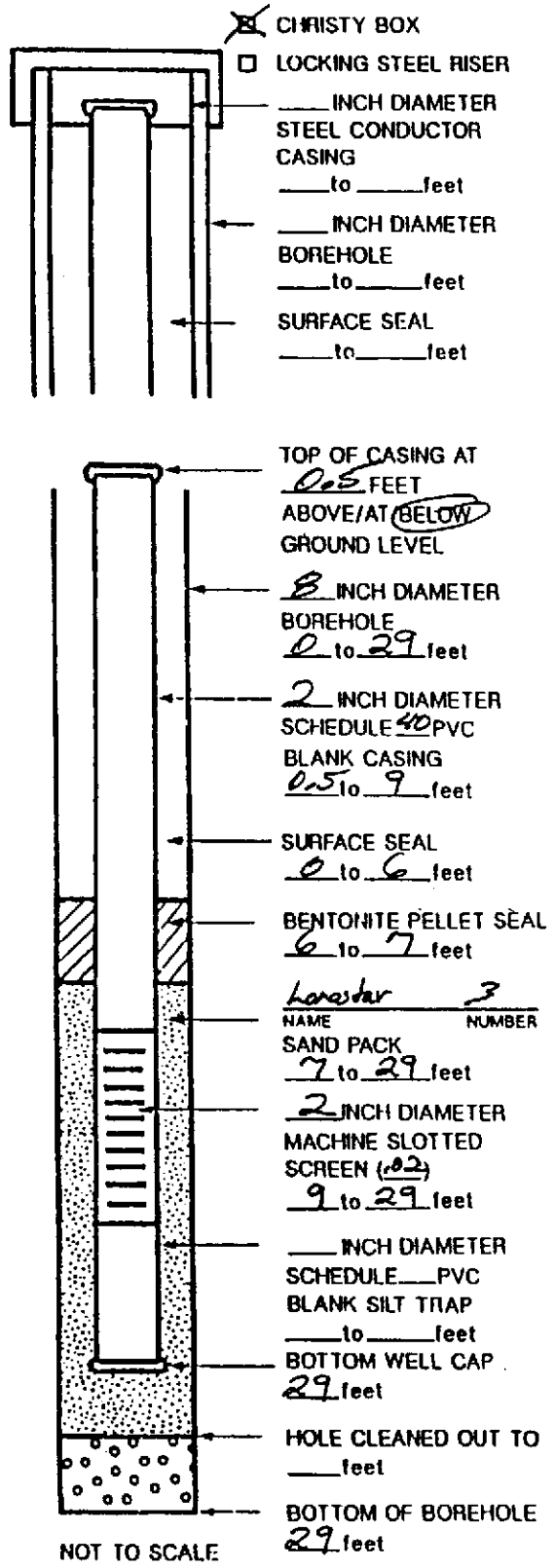
WELL COVER USED ☐ LOCKING STEEL COVER ☐ CHRISTY BOX ☐ OTHER ___

SILT TRAP USED? ☐ YES ☐ NO

ATT

WELL CONSTRUCTION AND DEVELOPMENT DETAILS

ATT



NOT TO SCALE

ADDITIONAL INFORMATION:

JOB NAME	Volvo – White		
JOB NUMBER	9197	PROJECT MANAGER	EH
LOGGED BY	BB	EDITED BY	BB
WELL DESIGNATION	MW4	DATE	9-5-90
DRILLING COMPANY	West Hazmat		
EQUIPMENT:	☐ ____ INCH ROTARY WASH ☒ 8 INCH HOLLOW STEM AUGER ☐ ____ INCH DUAL TUBE	DRILLER	Mark
		HOURS DRILLED	
VOLUME OF WATER USED DURING DRILLING:		GALLONS	
METHOD OF DECONTAMINATION PRIOR TO DRILLING:	Steam Cleaning		

DEVELOPMENT

METHOD OF DEVELOPMENT: Hand Pump

DEVELOPMENT BEGAN: DATE 9-26-90 TIME 15:23

YIELD: ____ GPM	TIME: FROM ____ TO ____	DATE:	
YIELD: ____ GPM	TIME: FROM ____ TO ____	DATE:	

DEVELOPMENT ENDED: DATE 9-26-90 TIME 15:42

TOTAL WATER REMOVED DURING DEVELOPMENT: 15 GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: ☐ CLEAR ☒ SLIGHTLY CLOUDY ☐ MOD. TURBID ☐ VERY MUDDY

ODOR OF WATER: slight odor

WATER DISCHARGED TO: ☐ GROUND SURFACE ☐ STORM SEWERS ☐ TANK TRUCK ☐ STORAGE TANK ☒ DRUMS ☐ OTHER

DEPTH TO WATER AFTER DEVELOPMENT ~ FEET

MATERIALS USED

____ SACKS OF ____ SAND
____ SACKS OF ____ CEMENT
____ GALLONS OF GROUT USED
____ SACKS OF POWERED BENTONITE
____ POUNDS OF BENTONITE PELLETS
____ FEET OF ____ INCH PVC BLANK CASING
____ FEET OF ____ INCH PVC SLOTTED SCREEN
____ FEET OF ____ INCH STEEL CONDUCTOR CASING

GROUT PUMP USED? ☐ YES ☐ NO

TREMIE PIPE USED? ☐ YES ☐ NO

WELL COVER USED ☐ LOCKING STEEL COVER ☐ CHRISTY BOX ☐ OTHER ____

SILT TRAP USED? ☐ YES ☐ NO

ATTACHMENT C

Soil & Groundwater Sample Collection & Handling Protocol

Drilling Procedures & Groundwater Monitoring Well Construction/Design

ATTACHMENT C

SOIL & GROUNDWATER SAMPLE COLLECTION & HANDLING PROTOCOL

INTRODUCTION & PURPOSE

Because reliable and representative test results must be generated from soil and groundwater samples, it is essential to establish a sampling procedure which assures that all samples are:

- Collected by approved and repeatable methods
- Representative of the materials(s) at the desired location and depth
- Uncontaminated by container and sampling equipment

The following sampling protocol was designed to be a guide to the sampling and handling procedures for soil and groundwater samples. Based on conditions which may be encountered in the field, some modifications to this protocol may be required to fit the needs of an individual site.

SAMPLING PROCEDURES

Groundwater Sampling

Prior to collecting groundwater samples, monitoring wells were purged by bailing until pH, conductivity, and temperature levels stabilize. Wells were purged and groundwater samples were obtained using a Teflon bailer and nylon rope. New nylon rope is used for each well.

The appropriate number of sample containers and type were used for each sample collected, in accordance with the analytical laboratory requirements and EPA protocol. The bottles were filled using the bailer. All sample bottles were pre-cleaned by the supplier according to EPA protocols.

To prevent cross contamination of groundwater samples by the sampling equipment, all equipment used in sampling was washed with a trisodium phosphate solution, triple rinsed with distilled water, and allowed to air dry prior to each use. A sample of the distilled water used in the final rinse was retained for analysis as part of sample quality assurance.

Soil Sampling

After the soil sampler is driven to the desired depth and the samples are retrieved, each end of the ring containing the soil sample is retained for laboratory analysis was sealed with Teflon sheeting, covered with plastic end caps, and sealed with PVC tape. All sample containers (tubes and end caps) were steamed cleaned and air dried prior to use. The soil sample recovered in the ring just above the sample retained for chemical analysis was examined in the field for visual and olfactory indications of chemical contamination and used for lithologic description.

The Unified Soil Classification System (USCS) was used to log and describe the soil by the onsite geologist. These logs also include details of the sampling process such as depth, apparent odors, discoloration, and any other factors which may be required to evaluate the presence of contamination at the site.

POST SAMPLING PROCEDURES

One field/travel blank consisting of one sample bottle filled with distilled water accompanied soil and groundwater sample containers at all times, including during transport to and from the site. Distilled water field/travel blanks were analyzed according to the appropriate EPA Methods corresponding to the soil/groundwater sample analyses.

Sample containers were labeled with sample number, project number, date, and the initials of the person collecting the sample. A separate sample collection record was maintained for each groundwater sample collected.

Soil and groundwater samples collected were analyzed by an analytical laboratory certified by the California Department of Health Services (DHS) for complete chemical analysis of hazardous waste as well as drinking water samples. Quality assurance documentation accompanied all analytical reports generated by the laboratory.

The samples were placed in an ice cooler immediately following collection, and remained in the ice cooler until refrigerated at the analytical laboratory. The samples were delivered to the laboratory direct by courier or overnight freight within 48 hours of time of collection. Appropriate chain of custody forms were used for all samples.

ATTACHMENT C

DRILLING PROCEDURES & GROUNDWATER MONITORING WELL CONSTRUCTION/DESIGN

DRILLING AND SAMPLING PROCEDURES

All borings for well construction were drilled using eight-inch diameter or larger hollow stem auger equipment. A California Registered Geologist directed or surpervised the collection of undisturbed samples of the soils encountered and the preparation of detailed logs for each boring.

Soil sampling was conducted using a modified California drive sampler, a standard penetration sampler, or a five-foot continuous sampler. Representative samples of each soil type were retained in two-inch to three-inch diameter, six-inch long, clean, brass or stainless steel tubes. The samples were retained for verification of soil classification and for chemical laboratory analytical testing, as appropriate. Teflon sheeting was placed between the soil sample and the cap, and the cap was sealed with PVC tape.

Where access limitations did not allow drilling with truck mounted equipment, either a trailer mounted drilling rig, portable power driven, or manually operated soil sampling equipment was utilized. If soil samples were to be retained for analysis, they were collected in clean brass tubes fitted within a thin walled drive sampler. The soil samples were capped and sealed as described above.

All down hole sampling, drilling, and well construction equipment and materials, including augers, casing, and screens were steam cleaned prior to their initial use. The sampling equipment was cleaned prior to each assembly by washing with a trisodium phosphate solution, rinsing with distilled water, and allowing to air dry. The auger flights, drill bit, and sampler were steam cleaned at each boring location.

MONITORING WELL CONSTRUCTION

Monitoring wells were constructed in accordance with applicable local water district or California Department of Water Resources guidelines. The specific completion details for each well were determined in the field at the time of drilling by a California Registered Geologist experienced in groundwater monitoring system design and installation.

Monitoring wells consist of two or four-inch diameter, Schedule 40 PVC casing and screens with flush, threaded joints. No PVC glue was used. The screened sections are machine slotted with either 0.010-inch (0.255 mm) 0.020-inch (0.51 mm) openings. The smaller slot size was used where the wells are screened within fine-grained sandy soils, and the larger slots were used where coarse sand or gravels are encountered. The slotted sections were fitted with a slip-on cap and placed opposite the water-bearing strata in the boring. The blank pipe was connected to the perforated pipe and extends to just below the ground surface.

The annulus between the side of the borehole and the slotted section was filled with a clean sand pack to variable depths, but not less than one or two feet above the perforated pipe. The annulus was packed with either Lonestar No. 1/20 (where 0.010-inch slotted pipe is used) or No. 3 (where 0.020-inch slotted pipe is used) washed sand filter material. The gradation of the filter material is summarized below:

U.S. Sieve No.	Opening (mm)	Percent Passing (No. 3)	Percent Passing (No. 1/20)
6	3.35	100	
8	2.36	99 - 100	
12	1.70	62 - 78	
16	1.18	15 - 33	100
20	0.85	0 - 8	90 - 100
30	0.60	0 - 4	14 - 40
40	0.425		0 - 5

A seal of bentonite pellets approximately 24-inches thick was placed above the sand pack to reduce the risk of grout penetration into the sand. The bentonite pellets were hydrated with distilled water to form a tight plug. A cement/bentonite grout was be placed above the bentonite plug to a depth of approximately two feet below the ground surface. The grout was pumped into the boreholes using a tremie pipe. Concrete was placed from the top of the cement/bentonite mixture to the ground surface.

At most sites in sedimentary formations, it is not practical to "rationally design" a filter pack based on sieve analyses. From experience, Lonestar No. 1/20 or No. 3 washed sand as a filter material was selected for use in wells. The 0.010-inch and 0.020-inch slot sizes were selected to retain 100 percent of the filter material.

The completed wells were enclosed in a traffic rated enclosure placed flush with grade or in an above-ground metal enclosure, and were fitted with a locking cap. If a groundwater level contour map was prepared, well head elevations were determined by a level survey, and well coordinates were determined by a traverse survey. The level/traverse survey was referenced to a bench mark of known or assigned elevation and coordinates. Once water levels have stabilized, water levels in all wells were measured.

After the wells had been completed, they were developed by pumping and surging to clean and stabilize the soils around the screens. A manually operated, positive displacement surge pump and Teflon bailer, surge block, and/or centrifugal pump was used for development. A minimum of 10 well casing volumes of water was removed during development; however, development continued until water flowed clear and pH, temperature, and conductivity had stabilized. All development equipment was steam cleaned prior to its initial use in each well. A well development log was maintained which included 1) a record of development water parameters at frequent intervals, 2) the quantity of water removed during development, and 3) flow rates during development.

Soil cuttings generated during drilling were wrapped in plastic sheeting, and water generated during well development was retained in secured 55-gallon drums until chemical analytical data from samples were received.

ATTACHMENT D

Laboratory Reports
Chain of Custody
Sample Collection Record

Aqua Terra Technologies
2950 Buskirk Avenue Ste. 120
Walnut Creek, CA 94596
Tel. (415) 934-4884
Fax. (415) 934-0418

ATT

CHAIN OF SAMPLE CUSTODY RECORD

(original document, please return) Page 1 of 1

Sampled By: Layne Williams
Signature: Layne Williams
Results To Be Sent To: Eve Huggins
Results Needed By: 10/2/90
Sampling Location:

Date Sampled: 9, 27, 90
Job Number: 9197
Laboratory Name: Anametrix
Contact: Jennifer
Phone #:

Sample Identification									Analysis/EPA Method No.						
Sample Collection			Number of Containers	Preserved	Containers				EPA 8240	EPA 8270	Title 22 Metals			Cond. Non Upon Receipt	Remarks
Sample ID	Time (24 hr)	Matrix			40 ml VOA	1 Liter Amber	500 ml Plastic								
MW1	17:35	Water	5	*	2	2	1		X	X	X			OK	See Notes
MW2	14:55	"	5	*	2	2	1		X	X	X				
MW3	13:35	"	5	*	2	2	1		X	X	X				
MW4	16:00	"	5	*	2	2	1		X	X	X				
TB	10:35	"	2	*	2				X						
FB	12:50	"	2	*	2				X						
	:														
	:														
	:														
	:														

Notes: * with ice, 40's with HCl, 500ml with HNO_3.
Turnaround time of 3 days has been confirmed ~~with~~ by Jennifer.

Relinquished By	Date	Time
Layne Williams	9/28/90	13:25
		:
		:

Received By	Date	Time
	09/28/90	13:25
		:
		:

Aqua Terra Technologies
2950 Buskirk Avenue Ste. 120
Walnut Creek, CA 94596
Tel. (415) 934-4884
Fax. (415) 934-0418

TOC TOC (1) 16:00 MS

AT

CHAIN OF SAMPLE CUSTODY RECORD

(original document, please return) Page 1 of 2

Sampled By: Bruce Berman
Signature: Bruce Berman
Results To Be Sent To: Eve Huggins
Results Needed By: normal turnaround
Sampling Location:

Date Sampled: 9/5/9
Job Number: 9197
Laboratory Name: Anametrix
Contact: Jennifer
Phone #: (408) 432-8192

Sample Identification						Analysis/EPA Method No.						
Sample Collection			Number of Containers	Containers Preserved	Containers Brass Tube	pH	Volatile Organics	Semi-Volatile Organics	CCR Title 22 Metals	Sulfates	Sulfides	Remarks
Sample ID	Time (24 hr)	Matrix										
09 MW1-5	9:10	Soil	1	Dry Ice	✓	X	X	X	X	X	X	
10 MW1-10	9:30	"	1	"	✓	X	X	X	X	X	X	
11 MW2-10	13:00	"	1	"	✓	X	X	X	X	X	X	
12 MW3-5	15:30	"	1	"	✓	X	X	X	X	X	X	
13 MW3-10	15:40	"	1	"	✓	X	X	X	X	X	X	
	:											
	:											
	:											
	:											
	:											

Notes: pH: EPA 9045, Volatile Organic Compounds: EPA 8240, Semi-Volatile Organics: EPA 8270, CCR Title 22 Metals (17 Metals), Sulfates: EPA 300.0, Sulfides: EPA 9030

Relinquished By	Date	Time
Bruce Berman	9/6/90	13:30
Bonnie L. Cerajewski	9/6/90	15:35
		:

Received By	Date	Time
Bonnie L. Cerajewski	9/6/90	13:30
[illegible]	09/06/90	15:35
		:

Aqua Terra Technologies
2030 Buckingham Avenue Ste. 120
Walnut Creek, CA 94596
Tel. (415) 934-4884
Fax. (415) 934-0418

9009038

AT

CHAIN OF SAMPLE CUSTODY RECORD
(original document, please return) Page 2 of 2

Sampled By: Bruce Berman
Signature: Bruce Berman
Results To Be Sent To: Eva Huggins
Results Needed By: normal turnaround
Sampling Location:

Date Sampled: 9/6/
Job Number: 9197
Laboratory Name: Anametrix
Contact: Jennifer
Phone #: (408) 432-8

	Sample Identification						Analysis/EPA Method No						
	Sample Collection			Number of Containers	Preserved	Containers	pH 9045	Volatile Organics 8240	Semi-volatile Organics 8270	CAM Title 22 Metals	Sulfates 300.0	Sulfides 9030	Remark
	Sample ID	Time (24 hr)	Matrix										
01	MW4-10	8:20	Soil	1	ICE	4	X	X	X	X	X	X	
02	B1-5	9:35	"	1	"	4	X	X	X	X	X	X	
03	B1-10	9:45	"	1	"	4	X	X	X	X	X	X	
04	B2-10	10:25	"	1	"	4	X	X	X	X	X	X	
05	B3-5	10:50	"	1	"	4	X	X	X	X	X	X	
06	B3-10	11:00	"	1	"	4	X	X	X	X	X	X	
07	B4-5	11:20	"	1	"	4	X	X	X	X	X	X	
08	B4-10	11:35	"	1	"	4	X	X	X	X	X	X	
		:											
		:											

Notes: pH: EPA 9045; Volatile Organics: EPA 8240; Semivolatiles: EPA 8270; CAM Title 22 Metals (17 Metals); Sulfates: EPA 300.0 and Sulfides: EPA 9030

Relinquished By	Date	Time
Bruce Berman	9/6/90	13:30
Benny S. Canigan	9/6/90	15:35
		:

Received By	Date	Time
Benny S. Canigan	9/6/90	13::
[illegible]	9/06/90	15::
		:

ATT

SAMPLE COLLECTION RECORD - MONITOR WELL

Date: 9-27-90 Sample I.D.: MW3 Job No.: 9197

Site Location: White GMC Volvo

No. of Containers : 5 /(check one): X Well Samples;

___Duplicates from well_____; ___Travel Blanks;

___Field Blanks; ___Other (explain)/_____

W.L.(1/100'): 7.21' Time : 1242 B.O.W.(1/2'): 27'

Method: X Electric Well Sounder; ___Other/_____

Con./pH meter calibrated: (Y) / N Well Loc. Map: (Y) N

Calculated Purge Volume (4 casing volumes): 12.5 gallons

Purging Method: X Disposable Bailer; ___Teflon Bailer;

___Other/_____

Time Start Purging (24 hr): 1258, Product: Y / (N)
Sheen: Y / (N) Odor: Y / (N), Vapor:____ ppm / %LEL

Turbidity: Med.-Heavy, Color: Brown

Time Stop Purging (24 hr): 1319, Product: Y / (N)
Sheen: Y / (N), Odor: Y / (N), Vapor:____ ppm / %LEL

Turbidity: Med, Color: Brown

	Temp.	pH	Cond.	Purge Vol.	Time
First :	21°C	5.66	3560 μ	4	1304
Second:	21°C	5.69	3570 μ	8	1312
Final :	20.5°C	5.79	3660 μ	12.5	1319

Sample Collection Time (24 hr): 1335

Notes:_____

Collected By (signature): Wayne Williams

AT1

SAMPLE COLLECTION RECORD - MONITOR WELL

Date: 9-27-90 Sample I.D.: MW4 Job No.: 9197

Site Location: White GMC Volvo

No. of Containers: 5 /(check one): X Well Samples;

___Duplicates from well_____; ___Travel Blanks;

___Field Blanks; ___Other (explain)/_____

W.L.(1/100'): 14.13' Time: 1525 B.O.W.(1/2'): 29'

Method: X Electric Well Sounder; ___Other/_____

Con./pH meter calibrated: (Y)/ N Well Loc. Map: (Y)/ N

Calculated Purge Volume (4 casing volumes): 95 gallons

Purging Method: X Disposable Bailer; ___Teflon Bailer;

___Other/_____

Time Start Purging (24 hr): 1537, Product: Y / (N)
Sheen: Y / (N), Odor: Y / (N), Vapor:____ ppm / %LEL

Turbidity: N, Color: N

Time Stop Purging (24 hr): 1553, Product: Y / (N)
Sheen: Y / (N), Odor: Y / N, Vapor:____ ppm / %LEL

Turbidity: Med, Color: Brown

	Temp.	pH	Cond.	Purge Vol.	Time
First :	21°C	6.69	2690 µ	3	1542
Second:	21°	6.88	2700	6	1546
Final :	20.5°	6.91	2820	9.5	1553

Sample Collection Time (24 hr): 1600

Notes: Metal sample collected on 9/28/90 @ 11:30

Collected By (signature): Wayne Williams

ATT

SAMPLE COLLECTION RECORD - MONITOR WELL

Date: 9-27-90 Sample I.D.: MW1 Job No.: 9197

Site Location: White GMC Volvo

No. of Containers : 5 /(check one): X Well Samples;

___Duplicates from well_____; ___Travel Blanks;

___Field Blanks; ___Other (explain)/_____

W.L.(1/100'): 8.01' Time : 1701 B.O.W.(1/2'): 28

Method: X Electric Well Sounder; ___Other/_____

Con./pH meter calibrated: (Y) / N Well Loc. Map: (Y) / N

Calculated Purge Volume (4 casing volumes): 125 gallons

Purging Method: X Disposable Bailer; ___Teflon Bailer;

___Other/_____

Time Start Purging (24 hr): 1704, Product: Y / (N)
Sheen: Y / (N) Odor: Y / (N), Vapor:___ ppm / %LEL

Turbidity: N, Color:_____

Time Stop Purging (24 hr): 1725, Product: Y / (N)
Sheen: Y / (N) Odor: Y / N , Vapor:___ ppm / %LEL

Turbidity: Med, Color: Brown

	Temp.	pH	Cond.	Purge Vol.	Time
First :	20.5°C	5.70	1090µ	4.5	1709
Second:	20°	6.30	1360	8.5	1718
Final :	19.5°	6.90	2880	12.5	1725

Sample Collection Time (24 hr): 1735

Notes: Metal sample collected on 9/28 @ ~~11:30~~ 12:00

Collected By (signature): Wayne Williams

AT

SAMPLE COLLECTION RECORD - MONITOR WELL

Date: 9-27-90 Sample I.D.: MW2 Job No.: 9197

Site Location: White GMC Volvo

No. of Containers : 5 /(check one): X Well Samples;

___Duplicates from well_____; ___Travel Blanks;

___Field Blanks; ___Other (explain)/_____

W.L.(1/100'): 583 Time : 1416 B.O.W.(1/2'): 27'

Method: X Electric Well Sounder; ___Other/_____

Con./pH meter calibrated: (Y) / N Well Loc. Map: (Y) / N

Calculated Purge Volume (4 casing volumes): 13.5 gallons

Purging Method: X Disposable Bailer; ___Teflon Bailer;

___Other/_____

Time Start Purging (24 hr): 1421, Product: Y / (N)
Sheen: Y / (N) Odor: Y / (N), Vapor:____ ppm / %LEL

Turbidity: N, Color: N

Time Stop Purging (24 hr): 1444, Product: Y / (N)
Sheen: Y / (N), Odor: Y / N, Vapor:____ ppm / %LEL

Turbidity: Med, Color: brown

	Temp.	pH	Cond.	Purge Vol.	Time
First :	24°C	4.82	6060 us	4.5	1428
Second:	22°C	4.93	6810 us	9	1436
Final :	22°C	4.81	6840	13.5	1444

Sample Collection Time (24 hr): 1455

Notes:_____

Collected By (signature): Wayne Williams

ATT

RECORD OF GROUNDWATER LEVEL MEASUREMENTS

Page 1 of 1

Date Measured: 9 - 27 - 90 ATT Job No.: 9197

Site Location: White GMC Volvo

Well location map attached? Yes X No ____

Method of Measurement: X Electric well sounder,

____ Other: _____

Weather/Visibility: Clear

Notes: _____

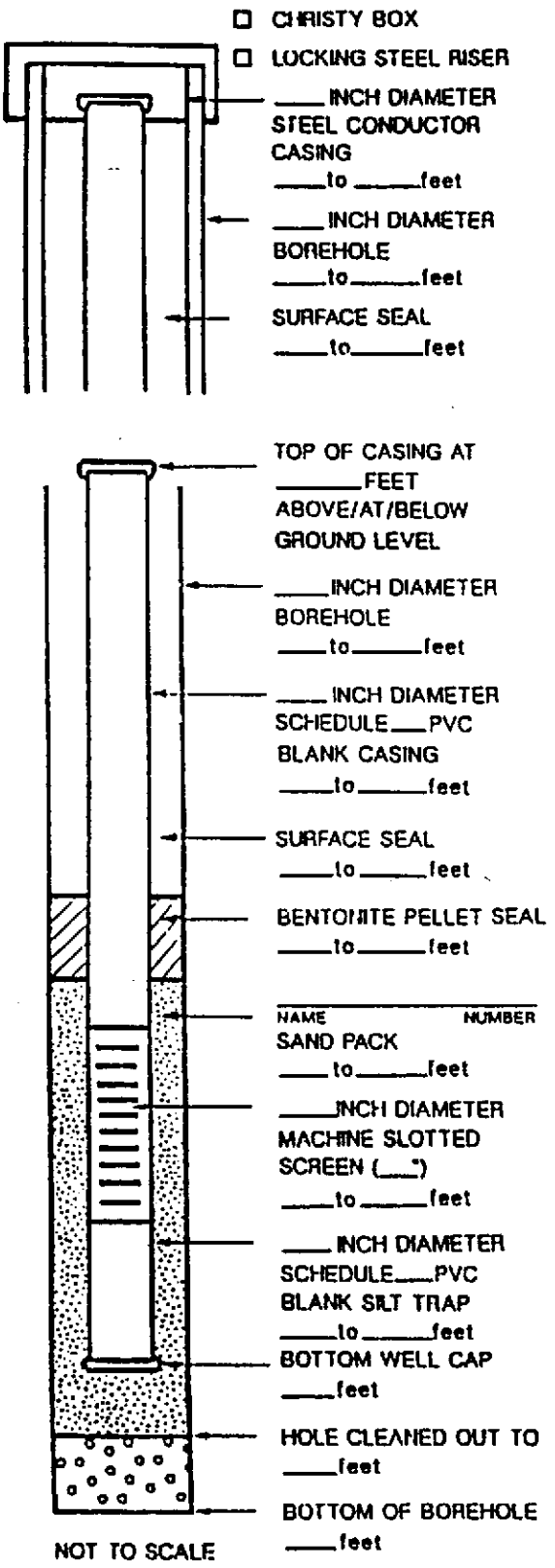
Well I.D.	Time (24 hr)	G.W.L. (1/100 ft)	G.W.L. 3x's?	B.O.W. (1/2ft)	Remarks
MW1	1701	8.01'	X	28'	
MW2	1716	5.83'	X	27'	
MW3	1242	7.21'	X	27'	12.5 gallons
MW4	1525	14.13'	X	29	

Measured by (Signature): Wayne Williams

rev.2/13/90

WELL CONSTRUCTION AND DEVELOPMENT DETAILS

ATT



NOT TO SCALE

ADDITIONAL INFORMATION:

JOB NAME Volvo - GM

JOB NUMBER 9197 | PROJECT MANAGER

LOGGED BY Layne | EDITED BY

WELL DESIGNATION MW1 | DATE

DRILLING COMPANY

EQUIPMENT: ☐ ____ INCH ROTARY WASH ☐ ____ INCH HOLLOW STEM AUGER ☐ ____ INCH DUAL TUBE | DRILLER | HOURS DRILLED

VOLUME OF WATER USED DURING DRILLING: GALLONS

METHOD OF DECONTAMINATION PRIOR TO DRILLING:

DEVELOPMENT

METHOD OF DEVELOPMENT: Hand Pump

DEVELOPMENT BEGAN: DATE 9/26/90 TIME 1238

YIELD: 2 GPM | TIME: FROM 1238 TO 1243 | DATE: 9/26

YIELD: 0.4 GPM | TIME: FROM 1253 TO 1258 | DATE: 9/26

DEVELOPMENT ENDED: DATE 9/26/90 TIME 1258

TOTAL WATER REMOVED DURING DEVELOPMENT: 12 GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: ☐ CLEAR ☒ SLIGHTLY CLOUDY ☐ MOD. TURBID ☐ VERY MUDDY

ODOR OF WATER: Slight if any

WATER DISCHARGED TO: ☐ GROUND SURFACE ☐ STORM SEWERS ☐ TANK TRUCK ☐ STORAGE TANK ☒ DRUMS ☐ OTHER

DEPTH TO WATER AFTER DEVELOPMENT _____ FEET

MATERIALS USED

_____ SACKS OF _____ SAND

_____ SACKS OF _____ CEMENT

_____ GALLONS OF GROUT USED

_____ SACKS OF POWERED BENTONITE

_____ POUNDS OF BENTONITE PELLETS

_____ FEET OF ____ INCH PVC BLANK CASING

_____ FEET OF ____ INCH PVC SLOTTED SCREEN

_____ FEET OF ____ INCH STEEL CONDUCTOR CASING

GROUT PUMP USED? ☐ YES ☐ NO

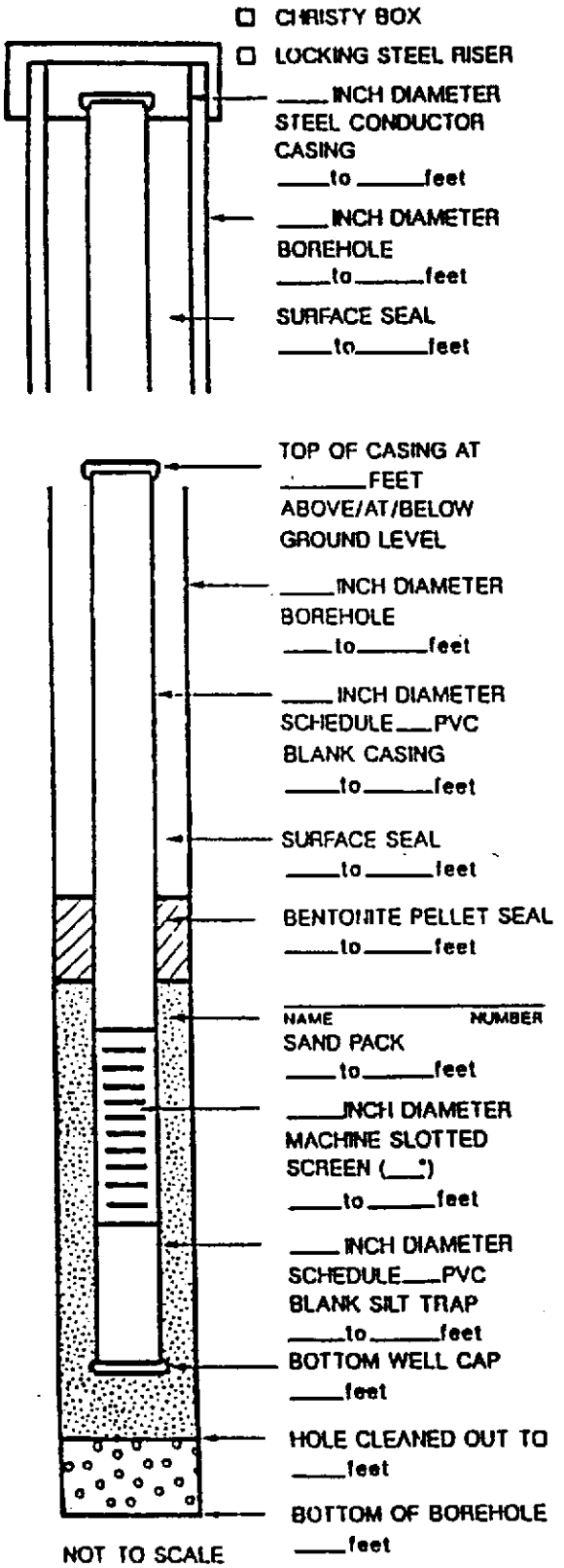
TREMIE PIPE USED? ☐ YES ☐ NO

WELL COVER USED ☐ LOCKING STEEL COVER ☐ CHRISTY BOX ☐ OTHER _____

SILT TRAP USED? ☐ YES ☐ NO

WELL CONSTRUCTION AND DEVELOPMENT DETAILS

ATT



NOT TO SCALE

ADDITIONAL INFORMATION:

JOB NAME Volvo - GM

JOB NUMBER 9197 | PROJECT MANAGER

LOGGED BY Layne | EDITED BY

WELL DESIGNATION MW2 | DATE

DRILLING COMPANY

EQUIPMENT: ☐ ____ INCH ROTARY WASH ☐ ____ INCH HOLLOW STEM AUGER ☐ ____ INCH DUAL TUBE | DRILLER | HOURS DRILLED

VOLUME OF WATER USED DURING DRILLING: GALLONS

METHOD OF DECONTAMINATION PRIOR TO DRILLING:

DEVELOPMENT

METHOD OF DEVELOPMENT: Hand pump

DEVELOPMENT BEGAN: DATE 9/26/90 TIME 1417

YIELD: 2 GPM | TIME: FROM 1417 TO 1426 | DATE: 9/26

YIELD: .08 GPM | TIME: FROM 1439 TO 1444 | DATE: 9/26

DEVELOPMENT ENDED: DATE 9/26/90 TIME 1444

TOTAL WATER REMOVED DURING DEVELOPMENT: 22 GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: ☐ CLEAR ☐ SLIGHTLY CLOUDY ☒ MOD. TURBID ☐ VERY MUDDY

ODOR OF WATER: Ø

WATER DISCHARGED TO: ☐ GROUND SURFACE ☐ STORM SEWERS ☐ TANK TRUCK ☐ STORAGE TANK ☒ DRUMS ☐ OTHER

DEPTH TO WATER AFTER DEVELOPMENT ____ FEET

MATERIALS USED

____ SACKS OF ____ SAND

____ SACKS OF ____ CEMENT

____ GALLONS OF GROUT USED

____ SACKS OF POWERED BENTONITE

____ POUNDS OF BENTONITE PELLETS

____ FEET OF ____ INCH PVC BLANK CASING

____ FEET OF ____ INCH PVC SLOTTED SCREEN

____ FEET OF ____ INCH STEEL CONDUCTOR CASING

GROUT PUMP USED? ☐ YES ☐ NO

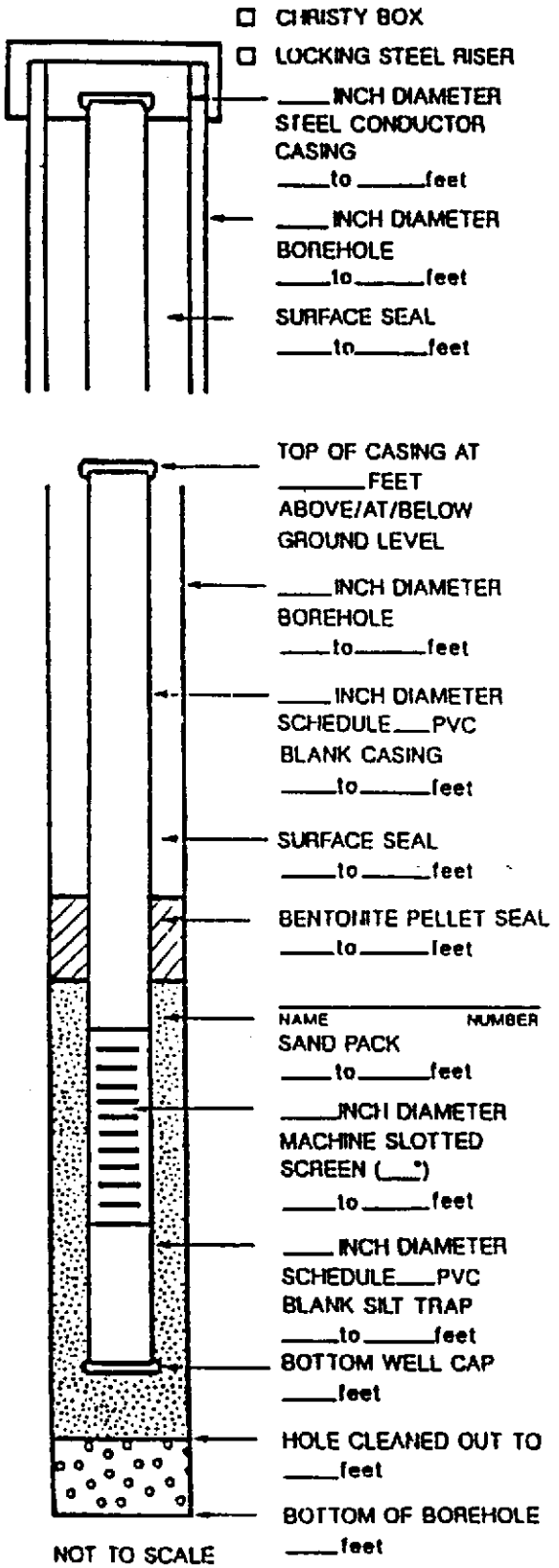
TREMIE PIPE USED? ☐ YES ☐ NO

WELL COVER USED ☐ LOCKING STEEL COVER ☐ CHRISTY BOX ☐ OTHER ____

SILT TRAP USED? ☐ YES ☐ NO

WELL CONSTRUCTION AND DEVELOPMENT DETAILS

ATT



NOT TO SCALE

ADDITIONAL INFORMATION:

JOB NAME White GMC Volvo

JOB NUMBER 9197 | PROJECT MANAGER

LOGGED BY Layne | EDITED BY

WELL DESIGNATION MW3 | DATE

DRILLING COMPANY

EQUIPMENT: ☐ ____ INCH ROTARY WASH ☐ ____ INCH HOLLOW STEM AUGER ☐ ____ INCH DUAL TUBE | DRILLER | HOURS DRILLED

VOLUME OF WATER USED DURING DRILLING: GALLONS

METHOD OF DECONTAMINATION PRIOR TO DRILLING:

DEVELOPMENT

METHOD OF DEVELOPMENT: Hand Pump

DEVELOPMENT BEGAN: DATE 9/26/90 TIME 1325

YIELD: 2.8 GPM	TIME: FROM 1325 TO 1330	DATE: 9/26
YIELD: 1 GPM	TIME: FROM 1339 TO 1343	DATE: 9/26

DEVELOPMENT ENDED: DATE 9/26/90 TIME 1343

TOTAL WATER REMOVED DURING DEVELOPMENT: 18 GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: ☐ CLEAR ☐ SLIGHTLY CLOUDY ☐ MOD. TURBID ☒ VERY MUDDY

ODOR OF WATER: ☒

WATER DISCHARGED TO: ☐ GROUND SURFACE ☐ STORM SEWERS ☐ TANK TRUCK ☐ STORAGE TANK ☒ DRUMS ☐ OTHER

DEPTH TO WATER AFTER DEVELOPMENT _____ FEET

MATERIALS USED

_____ SACKS OF _____ SAND

_____ SACKS OF _____ CEMENT

_____ GALLONS OF GROUT USED

_____ SACKS OF POWERED BENTONITE

_____ POUNDS OF BENTONITE PELLETS

_____ FEET OF ____ INCH PVC BLANK CASING

_____ FEET OF ____ INCH PVC SLOTTED SCREEN

_____ FEET OF ____ INCH STEEL CONDUCTOR CASING

GROUT PUMP USED? ☐ YES ☐ NO

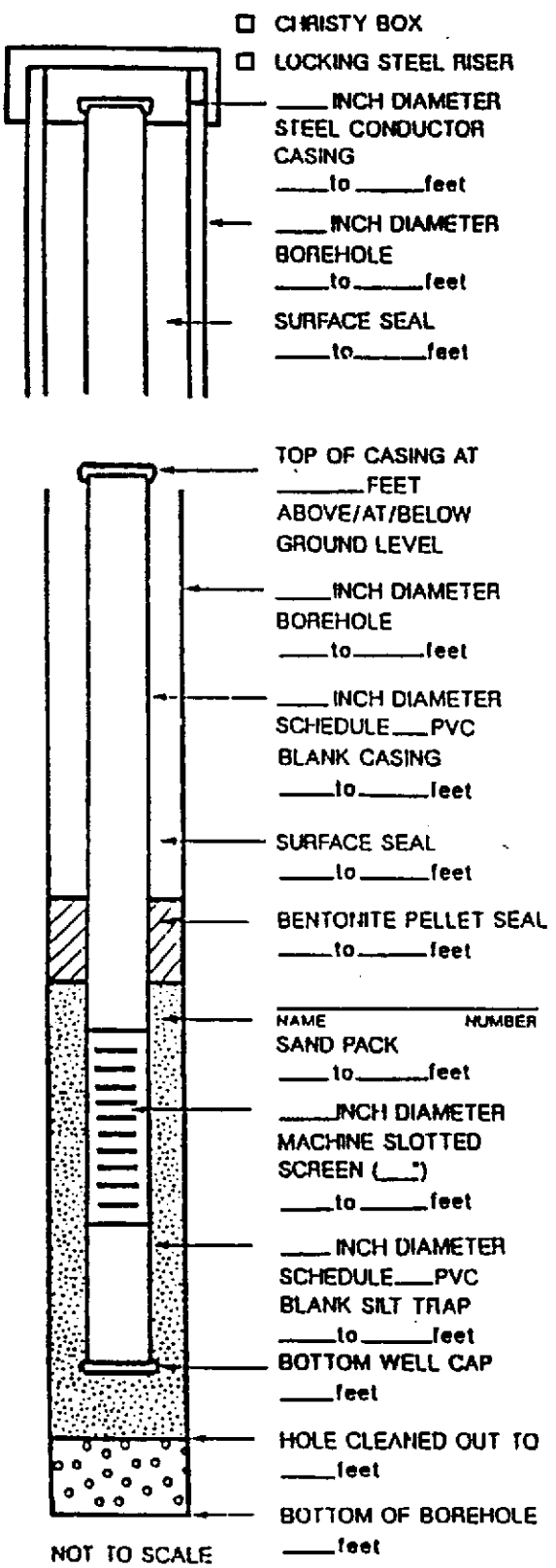
TREMIE PIPE USED? ☐ YES ☐ NO

WELL COVER USED ☐ LOCKING STEEL COVER ☐ CHRISTY BOX ☐ OTHER _____

SILT TRAP USED? ☐ YES ☐ NO

ATT

WELL CONSTRUCTION AND DEVELOPMENT DETAILS



NOT TO SCALE

ADDITIONAL INFORMATION:

JOB NAME White GMC - Volvo

JOB NUMBER 9197 | PROJECT MANAGER

LOGGED BY Layne | EDITED BY

WELL DESIGNATION MW4 | DATE

DRILLING COMPANY

EQUIPMENT: ☐ ____ INCH ROTARY WASH ☐ ____ INCH HOLLOW STEM AUGER ☐ ____ INCH DUAL TUBE | DRILLER | HOURS DRILLED

VOLUME OF WATER USED DURING DRILLING: GALLONS

METHOD OF DECONTAMINATION PRIOR TO DRILLING:

DEVELOPMENT

METHOD OF DEVELOPMENT: Hand pump

DEVELOPMENT BEGAN: DATE 9/26/90 TIME 1523

YIELD: 2.6 GPM | TIME: FROM 1523 TO 1528 | DATE 9/26

YIELD: 1 GPM | TIME: FROM 1540 TO 1542 | DATE: 9/26

DEVELOPMENT ENDED: DATE 9/26/90 TIME 1542

TOTAL WATER REMOVED DURING DEVELOPMENT: 15 GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: ☐ CLEAR ☒ SLIGHTLY CLOUDY ☐ MOD. TURBID ☐ VERY MUDDY

ODOR OF WATER: Slight if any

WATER DISCHARGED TO: ☐ GROUND SURFACE ☐ STORM SEWERS ☐ TANK TRUCK ☐ STORAGE TANK ☒ DRUMS ☐ OTHER

DEPTH TO WATER AFTER DEVELOPMENT _____ FEET

MATERIALS USED

_____ SACKS OF _____ SAND

_____ SACKS OF _____ CEMENT

_____ GALLONS OF GROUT USED

_____ SACKS OF POWERED BENTONITE

_____ POUNDS OF BENTONITE PELLETS

_____ FEET OF ____ INCH PVC BLANK CASING

_____ FEET OF ____ INCH PVC SLOTTED SCREEN

_____ FEET OF ____ INCH STEEL CONDUCTOR CASING

GROUT PUMP USED? ☐ YES ☐ NO

TREMIE PIPE USED? ☐ YES ☐ NO

WELL COVER USED ☐ LOCKING STEEL COVER ☐ CHRISTY BOX ☐ OTHER _____

SILT TRAP USED? ☐ YES ☐ NO

.16
20
3.20
32

MW1 Start: 1238 Comments light b., light turb. Slight odor
End: 1258 Comments brown, light turb. " "
rest: 10 min 12 gallons 10, 2

MW2 Start: 1417 Comments heavy, cloudy brown, fizzy
End: 1444 Comments med, cloudy brown, fizzy
rest. 13 min 22 gallons 18, 4

MW3 Start: 1325 Comment: cloudy brown, heavy
End. 1343 Comments: same
rest. 10 mn. 18 gallons 13, 4

MW4 Start: 1523 Comments: light med turb., brown, Slight odor
End: 1542 Comments light turb, brown Slight odor
rest 15 15 gallons 13, 2

$5\overline{)20}$ 0.4 $5\overline{)40}$ $.8$ 8

$5\overline{)14}$ 2.8 4 8

$5\overline{)5}$

ANAMETRIX INC
Environmental & Analytical Chemistry
1961 Concourse Drive. Suite E. San Jose. CA 95131
(408) 432-8192 • Fax (408) 432-8198

1961 Concourse Drive. Suite E
San Jose. CA 95131
(408) 432-8192 • Fax (408) 432-8198

October 5, 1990

Ms. Eve Huggins
AQUA TERRA TECHNOLOGIES
2950 Buskirk Avenue
Suite 120
Walnut Creek, CA 94596

Project #: 9197
Workorder #: 9009292

Dear Ms. Huggins:

Enclosed is the reissued Certified Analytical Report (CAR) that you requested. After review of your request, we have determined that a re-issued CAR is in order because of the following reason.

The Zinc results were omitted from the original report.

Thank you for your patience. If there is anything more that we can do, please contact me immediately.

Sincerely,

ANAMETRIX, INC.

Larry Kent

Larry Kent
Quality Assurance Manager

LK/dg/3700

Enclosure

ANALYSIS DATA SHEET - TITLE 22 METALS
ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9009292
Matrix : WATER
Date Sampled : 09/27/90
Project Number: 9197

Date Prepared : 09/28/90
Date Analyzed : 10/01/90
Date Released : 10/02/90
Instrument I.D.: AA1/ICP1

	EPA Method#	Reporting Limit	Sample I.D.# MW1	Sample I.D.# MW2	Sample I.D.# MW3	Sample I.D.# MW4	Sample I.D.# BLANK
ELEMENTS		(ug/L)	-01	-02	-03	-04	MB0928W
Silver (Ag)	6010	10.0	ND	ND	ND	ND	ND
Arsenic (As)	7060	10.0	ND	66.7	ND	ND	ND
Barium (Ba)	6010	100	ND	ND	ND	ND	ND
Beryllium (Be)	6010	5.0	ND	ND	ND	ND	ND
Cadmium (Cd)	6010	5.0	16.0	5100	429	ND	ND
Cobalt (Co)	6010	50.0	ND	1720	557	ND	ND
Total Cr	6010	10.0	ND	ND	ND	ND	ND
Copper (Cu)	6010	25.0	ND	159	506	ND	ND
Mercury (Hg)	7470	1.0	ND	ND	ND	ND	3.0
Molybdenum (Mo)	6010	10.0	ND	ND	ND	ND	ND
Nickel (Ni)	6010	40.0	308	4640	1620	ND	ND
Lead (Pb)	7421	3.0	ND	ND	ND	ND	ND
Antimony (Sb)	6010	60.0	ND	ND	ND	ND	ND
Selenium (Se)	7740	5.0	ND	ND	ND	ND	ND
Thallium (Tl)	7841	10.0	ND	ND	ND	ND	ND
Vanadium (V)	6010	50.0	ND	ND	ND	ND	ND
Zinc (Zn)	6010	20.0	31800	2720000	426000	134	ND

ND : Not detected at or above the practical quantitation limit for the method.

All Metals by EPA Method 6010/7000, Test Method for Evaluating Solid Waste, SW-846 3rd Edition November 1986, and California Administrative Code Title 22, Section 66699.

Fiza I Nalpirale 10/5/90
Chemist Date

Mary Nguyen 10-5-90
Chemist Date

ANAMETRIX INC
Environmental & Analytical Chemistry
1961 Concourse Drive, Suite E, San Jose, CA 95131
(408) 432-8192 • Fax (408) 432-8198

REPORT

EVE HUGGINS
AQUA TERRA TECHNOLOGIES
2950 BUSKIRK AVENUE SUITE 120
WALNUT CREEK, CA 94596

Workorder # : 9009292
Date Received : 09/28/90
Project ID : 9197
Purchase Order: N/A

The following samples were received at Anametrix, Inc. for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9009292- 1	MW1
9009292- 2	MW2
9009292- 3	MW3
9009292- 4	MW4
9009292- 5	TB
9009292- 6	FB

This report is paginated for your convenience and ease of review. It contains 26 pages excluding the cover letter. The report is organized into sections. Each section contains all analytical results and quality assurance data related to a specific group or section within Anametrix. The Report Summary that precedes each section will help you determine which group at Anametrix generated the data. The Report Summary will contain the signatures of the department supervisor and a chemist, both of whom reviewed the analytical data. Please refer all questions to the department supervisor that signed the form.

If you have any further questions or comments on this report, please give us a call as soon as possible. Thank you for using Anametrix.

Burt Sutherland
Laboratory Director

10/3/90
Date

ANAMETRIX REPORT DESCRIPTION
GCMS

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and, within each method, organized sequentially in order of increasing Anametrix ID number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected in GC/MS analyses. TICs must be requested at the time samples are submitted at Anametrix. TIC forms immediately follow the OADS form for each sample. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method, if the method requires surrogate compounds. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*", and the total number of surrogates outside the limits will be listed in the column labelled "Total Out".

Matrix Spike Recovery Form (MSR)

MSR forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "*", and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

Anametrix uses several data qualifiers (Q) in it's report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an approximate value. Tentatively identified compounds will always have a "J" qualifier because they are not included in the instrument calibration.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 soil analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report forms. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.
- Amounts reported are gross values, i.e., not corrected for method blank contamination.

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

EVE HUGGINS
AQUA TERRA TECHNOLOGIES
2950 BUSKIRK AVENUE SUITE 120
WALNUT CREEK, CA 94596

Workorder # : 9009292
Date Received : 09/28/90
Project ID : 9197
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9009292- 1	MW1	H2O	09/27/90	8240
9009292- 2	MW2	H2O	09/27/90	8240
9009292- 3	MW3	H2O	09/27/90	8240
9009292- 4	MW4	H2O	09/27/90	8240
9009292- 5	TB	H2O	09/27/90	8240
9009292- 6	FB	H2O	09/27/90	8240
9009292- 1	MW1	H2O	09/27/90	8270
9009292- 2	MW2	H2O	09/27/90	8270
9009292- 3	MW3	H2O	09/27/90	8270
9009292- 4	MW4	H2O	09/27/90	8270

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

EVE HUGGINS
AQUA TERRA TECHNOLOGIES
2950 BUSKIRK AVENUE SUITE 120
WALNUT CREEK, CA 94596

Workorder # : 9009292
Date Received : 09/28/90
Project ID : 9197
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- No QA/QC problems encountered.

Paul Gowan 10-2-90
Department Supervisor Date

Laura Mangan 10 2 90
Chemist Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID	: 9197	Anametrix ID	: 9009292-0
Sample ID	: MW1	Analyst	: LW
Matrix	: WATER	Supervisor	: PG
Date Sampled	: 9/27/90		
Date Analyzed	:10/ 1/90	Dilution Factor	: 1.00
Instrument ID	: F1	Conc. Units	: ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	ND	U
75-15-0	CARBON DISULFIDE	5.	ND	U
75-09-2	METHYLENE CHLORIDE	5.	ND	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	ND	U
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	ND	U
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	ND	U
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW2
Matrix : WATER
Date Sampled : 9/27/90
Date Analyzed :10/ 1/90
Instrument ID : F1

Anametrix ID : 9009292-02
Analyst : LW
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	ND	U
75-15-0	CARBON DISULFIDE	5.	ND	U
75-09-2	METHYLENE CHLORIDE	5.	ND	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	ND	U
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	ND	U
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	ND	U
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID	: 9197	Anametrix ID	: 9009292-0
Sample ID	: MW3	Analyst	: LW
Matrix	: WATER	Supervisor	: PG
Date Sampled	: 9/27/90		
Date Analyzed	:10/ 1/90	Dilution Factor	: 1.00
Instrument ID	: F1	Conc. Units	: ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	ND	U
75-15-0	CARBON DISULFIDE	5.	ND	U
75-09-2	METHYLENE CHLORIDE	5.	ND	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	ND	U
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	ND	U
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	ND	U
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID	: 9197	Anametrix ID	: 9009292-0
Sample ID	: MW4	Analyst	: LW
Matrix	: WATER	Supervisor	: PG
Date Sampled	: 9/27/90		
Date Analyzed	:10/ 1/90	Dilution Factor	: 1.00
Instrument ID	: F1	Conc. Units	: ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	ND	U
75-15-0	CARBON DISULFIDE	5.	ND	U
75-09-2	METHYLENE CHLORIDE	5.	ND	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	ND	U
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	ND	U
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	ND	U
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID	: 9197	Anametrix ID	: 9009292-C
Sample ID	: TB	Analyst	: LW
Matrix	: WATER	Supervisor	: PG
Date Sampled	: 9/27/90		
Date Analyzed	:10/ 1/90	Dilution Factor	: 1.00
Instrument ID	: F1	Conc. Units	: ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	ND	U
75-15-0	CARBON DISULFIDE	5.	ND	U
75-09-2	METHYLENE CHLORIDE	5.	ND	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	ND	U
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	1.	J
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	ND	U
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : FB
Matrix : WATER
Date Sampled : 9/27/90
Date Analyzed :10/ 1/90
Instrument ID : F1

Anametrix ID : 9009292-0
Analyst : ω
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	ND	U
75-15-0	CARBON DISULFIDE	5.	ND	U
75-09-2	METHYLENE CHLORIDE	5.	ND	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	ND	U
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	1.	J
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	ND	U
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW1
Matrix : WATER
Date Sampled : 9/27/90
Date Extracted : 9/28/90
Amount Extracted : 1000.0 mL
Date Analyzed :10/ 1/90
Instrument ID : F2

Anametrix ID : 9009292-(
Analyst : JM
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	10.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10.	ND	U
95-57-8	2-CHLOROPHENOL	10.	ND	U
541-73-1	1,3-DICHLOROBENZENE	10.	ND	U
106-46-7	1,4-DICHLOROBENZENE	10.	ND	U
100-51-6	BENZYL ALCOHOL	10.	ND	U
95-50-1	1,2-DICHLOROBENZENE	10.	ND	U
95-48-7	2-METHYLPHENOL	10.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	10.	ND	U
106-44-5	4-METHYLPHENOL	10.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10.	ND	U
67-72-1	HEXACHLOROETHANE	10.	ND	U
98-95-3	NITROBENZENE	10.	ND	U
78-59-1	ISOPHORONE	10.	ND	U
88-75-5	2-NITROPHENOL	10.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	10.	ND	U
65-85-0	BENZOIC ACID	50.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10.	ND	U
120-83-2	2,4-DICHLOROPHENOL	10.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	10.	ND	U
91-20-3	NAPHTHALENE	10.	ND	U
106-47-8	4-CHLOROANILINE	10.	ND	U
87-68-3	HEXACHLOROBUTADIENE	10.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10.	ND	U
91-57-6	2-METHYLNAPHTHALENE	10.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	10.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	50.	ND	U
91-58-7	2-CHLORONAPHTHALENE	10.	ND	U
88-74-4	2-NITROANILINE	50.	ND	U
131-11-3	DIMETHYLPHTHALATE	10.	ND	U
208-96-8	ACENAPHTHYLENE	10.	ND	U
606-20-2	2,6-DINITROTOLUENE	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW1
Matrix : WATER
Date Sampled : 9/27/90
Date Extracted : 9/28/90
Amount Extracted : 1000.0 mL
Date Analyzed :10/ 1/90
Instrument ID : F2

Anametrix ID : 9009292-0
Analyst : UM
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	50.	ND	U
83-32-9	ACENAPHTHENE	10.	ND	U
51-28-5	2,4-DINITROPHENOL	50.	ND	U
100-02-7	4-NITROPHENOL	50.	ND	U
132-64-9	DIBENZOFURAN	10.	ND	U
121-14-2	2,4-DINITROTOLUENE	10.	ND	U
84-66-2	DIETHYLPHTHALATE	10.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10.	ND	U
86-73-7	FLUORENE	10.	ND	U
100-01-6	4-NITROANILINE	50.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10.	ND	U
118-74-1	HEXACHLOROBENZENE	10.	ND	U
87-86-5	PENTACHLOROPHENOL	50.	ND	U
85-01-8	PHENANTHRENE	10.	ND	U
120-12-7	ANTHRACENE	10.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	10.	ND	U
206-44-0	FLUORANTHENE	10.	ND	U
129-00-0	PYRENE	10.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	10.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	20.	ND	U
56-55-3	BENZO(A)ANTHRACENE	10.	ND	U
218-01-9	CHRYSENE	10.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	10.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	10.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	10.	ND	U
50-32-8	BENZO(A)PYRENE	10.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	10.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW2
Matrix : WATER
Date Sampled : 9/27/90
Date Extracted : 9/28/90
Amount Extracted : 1000.0 mL
Date Analyzed :10/ 1/90
Instrument ID : F2

Anametrix ID : 9009292-0
Analyst : DJ
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	10.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10.	ND	U
95-57-8	2-CHLOROPHENOL	10.	ND	U
541-73-1	1,3-DICHLOROBENZENE	10.	ND	U
106-46-7	1,4-DICHLOROBENZENE	10.	ND	U
100-51-6	BENZYL ALCOHOL	10.	ND	U
95-50-1	1,2-DICHLOROBENZENE	10.	ND	U
95-48-7	2-METHYLPHENOL	10.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	10.	ND	U
106-44-5	4-METHYLPHENOL	10.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10.	ND	U
67-72-1	HEXACHLOROETHANE	10.	ND	U
98-95-3	NITROBENZENE	10.	ND	U
78-59-1	ISOPHORONE	10.	ND	U
88-75-5	2-NITROPHENOL	10.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	10.	ND	U
65-85-0	BENZOIC ACID	50.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10.	ND	U
120-83-2	2,4-DICHLOROPHENOL	10.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	10.	ND	U
91-20-3	NAPHTHALENE	10.	ND	U
106-47-8	4-CHLOROANILINE	10.	ND	U
87-68-3	HEXACHLOROBUTADIENE	10.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10.	ND	U
91-57-6	2-METHYLNAPHTHALENE	10.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	10.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	50.	ND	U
91-58-7	2-CHLORONAPHTHALENE	10.	ND	U
88-74-4	2-NITROANILINE	50.	ND	U
131-11-3	DIMETHYLPHTHALATE	10.	ND	U
208-96-8	ACENAPHTHYLENE	10.	ND	U
606-20-2	2,6-DINITROTOLUENE	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW2
Matrix : WATER
Date Sampled : 9/27/90
Date Extracted : 9/28/90
Amount Extracted : 1000.0 mL
Date Analyzed :10/ 1/90
Instrument ID : F2

Anametrix ID : 9009292-0
Analyst : UM
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	50.	ND	U
83-32-9	ACENAPHTHENE	10.	ND	U
51-28-5	2,4-DINITROPHENOL	50.	ND	U
100-02-7	4-NITROPHENOL	50.	ND	U
132-64-9	DIBENZOFURAN	10.	ND	U
121-14-2	2,4-DINITROTOLUENE	10.	ND	U
84-66-2	DIETHYLPHTHALATE	10.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10.	ND	U
86-73-7	FLUORENE	10.	ND	U
100-01-6	4-NITROANILINE	50.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10.	ND	U
118-74-1	HEXACHLOROBENZENE	10.	ND	U
87-86-5	PENTACHLOROPHENOL	50.	ND	U
85-01-8	PHENANTHRENE	10.	ND	U
120-12-7	ANTHRACENE	10.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	10.	ND	U
206-44-0	FLUORANTHENE	10.	ND	U
129-00-0	PYRENE	10.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	10.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	20.	ND	U
56-55-3	BENZO(A)ANTHRACENE	10.	ND	U
218-01-9	CHRYSENE	10.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	10.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	10.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	10.	ND	U
50-32-8	BENZO(A)PYRENE	10.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	10.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW3
Matrix : WATER
Date Sampled : 9/27/90
Date Extracted : 9/28/90
Amount Extracted : 1000.0 mL
Date Analyzed :10/ 1/90
Instrument ID : F2

Anametrix ID : 9009292-0
Analyst : UH
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	10.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10.	ND	U
95-57-8	2-CHLOROPHENOL	10.	ND	U
541-73-1	1,3-DICHLOROBENZENE	10.	ND	U
106-46-7	1,4-DICHLOROBENZENE	10.	ND	U
100-51-6	BENZYL ALCOHOL	10.	ND	U
95-50-1	1,2-DICHLOROBENZENE	10.	ND	U
95-48-7	2-METHYLPHENOL	10.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	10.	ND	U
106-44-5	4-METHYLPHENOL	10.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10.	ND	U
67-72-1	HEXACHLOROETHANE	10.	ND	U
98-95-3	NITROBENZENE	10.	ND	U
78-59-1	ISOPHORONE	10.	ND	U
88-75-5	2-NITROPHENOL	10.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	10.	ND	U
65-85-0	BENZOIC ACID	50.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10.	ND	U
120-83-2	2,4-DICHLOROPHENOL	10.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	10.	ND	U
91-20-3	NAPHTHALENE	10.	ND	U
106-47-8	4-CHLOROANILINE	10.	ND	U
87-68-3	HEXACHLOROBUTADIENE	10.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10.	ND	U
91-57-6	2-METHYLNAPHTHALENE	10.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	10.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	50.	ND	U
91-58-7	2-CHLORONAPHTHALENE	10.	ND	U
88-74-4	2-NITROANILINE	50.	ND	U
131-11-3	DIMETHYLPHTHALATE	10.	ND	U
208-96-8	ACENAPHTHYLENE	10.	ND	U
606-20-2	2,6-DINITROTOLUENE	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW3
Matrix : WATER
Date Sampled : 9/27/90
Date Extracted : 9/28/90
Amount Extracted : 1000.0 mL
Date Analyzed :10/ 1/90
Instrument ID : F2

Anametrix ID : 9009292-0
Analyst : UH
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	50.	ND	U
83-32-9	ACENAPHTHENE	10.	ND	U
51-28-5	2,4-DINITROPHENOL	50.	ND	U
100-02-7	4-NITROPHENOL	50.	ND	U
132-64-9	DIBENZOFURAN	10.	ND	U
121-14-2	2,4-DINITROTOLUENE	10.	ND	U
84-66-2	DIETHYLPHTHALATE	10.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10.	ND	U
86-73-7	FLUORENE	10.	ND	U
100-01-6	4-NITROANILINE	50.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10.	ND	U
118-74-1	HEXACHLOROBENZENE	10.	ND	U
87-86-5	PENTACHLOROPHENOL	50.	ND	U
85-01-8	PHENANTHRENE	10.	ND	U
120-12-7	ANTHRACENE	10.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	10.	ND	U
206-44-0	FLUORANTHENE	10.	ND	U
129-00-0	PYRENE	10.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	10.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	20.	ND	U
56-55-3	BENZO(A)ANTHRACENE	10.	ND	U
218-01-9	CHRYSENE	10.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	10.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	10.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	10.	ND	U
50-32-8	BENZO(A)PYRENE	10.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	10.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW4
Matrix : WATER
Date Sampled : 9/27/90
Date Extracted : 9/28/90
Amount Extracted : 920.0 mL
Date Analyzed :10/ 1/90
Instrument ID : F2

Anametrix ID : 9009292-0
Analyst : JM
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	11.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	11.	ND	U
95-57-8	2-CHLOROPHENOL	11.	ND	U
541-73-1	1,3-DICHLOROBENZENE	11.	ND	U
106-46-7	1,4-DICHLOROBENZENE	11.	ND	U
100-51-6	BENZYL ALCOHOL	11.	ND	U
95-50-1	1,2-DICHLOROBENZENE	11.	ND	U
95-48-7	2-METHYLPHENOL	11.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	11.	ND	U
106-44-5	4-METHYLPHENOL	11.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	11.	ND	U
67-72-1	HEXACHLOROETHANE	11.	ND	U
98-95-3	NITROBENZENE	11.	ND	U
78-59-1	ISOPHORONE	11.	ND	U
88-75-5	2-NITROPHENOL	11.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	11.	ND	U
65-85-0	BENZOIC ACID	54.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	11.	ND	U
120-83-2	2,4-DICHLOROPHENOL	11.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	11.	ND	U
91-20-3	NAPHTHALENE	11.	ND	U
106-47-8	4-CHLOROANILINE	11.	ND	U
87-68-3	HEXACHLOROBUTADIENE	11.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	11.	ND	U
91-57-6	2-METHYLNAPHTHALENE	11.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	11.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	11.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	54.	ND	U
91-58-7	2-CHLORONAPHTHALENE	11.	ND	U
88-74-4	2-NITROANILINE	54.	ND	U
131-11-3	DIMETHYLPHTHALATE	11.	ND	U
208-96-8	ACENAPHTHYLENE	11.	ND	U
606-20-2	2,6-DINITROTOLUENE	11.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW4
Matrix : WATER
Date Sampled : 9/27/90
Date Extracted : 9/28/90
Amount Extracted : 920.0 mL
Date Analyzed :10/ 1/90
Instrument ID : F2

Anametrix ID : 9009292-04
Analyst : IM
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	54.	ND	U
83-32-9	ACENAPHTHENE	11.	ND	U
51-28-5	2,4-DINITROPHENOL	54.	ND	U
100-02-7	4-NITROPHENOL	54.	ND	U
132-64-9	DIBENZOFURAN	11.	ND	U
121-14-2	2,4-DINITROTOLUENE	11.	ND	U
84-66-2	DIETHYLPHTHALATE	11.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	11.	ND	U
86-73-7	FLUORENE	11.	ND	U
100-01-6	4-NITROANILINE	54.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	54.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	11.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	11.	ND	U
118-74-1	HEXACHLOROBENZENE	11.	ND	U
87-86-5	PENTACHLOROPHENOL	54.	ND	U
85-01-8	PHENANTHRENE	11.	ND	U
120-12-7	ANTHRACENE	11.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	11.	ND	U
206-44-0	FLUORANTHENE	11.	ND	U
129-00-0	PYRENE	11.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	11.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	22.	ND	U
56-55-3	BENZO(A)ANTHRACENE	11.	ND	U
218-01-9	CHRYSENE	11.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	11.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	11.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	11.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	11.	ND	U
50-32-8	BENZO(A)PYRENE	11.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	11.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	11.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	11.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Analyzed :10/ 1/90
Instrument ID : F1

Anametrix ID : 1CB1001V0
Analyst : LW
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	7.	J
75-15-0	CARBON DISULFIDE	5.	ND	U
75-09-2	METHYLENE CHLORIDE	5.	5.	J
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	ND	U
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	ND	U
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	ND	U
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Extracted : 9/28/90
Amount Extracted : 1000.0 mL
Date Analyzed :10/ 1/90
Instrument ID : F2

Anametrix ID : 2CB0928C0
Analyst : UM
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	10.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10.	ND	U
95-57-8	2-CHLOROPHENOL	10.	ND	U
541-73-1	1,3-DICHLOROBENZENE	10.	ND	U
106-46-7	1,4-DICHLOROBENZENE	10.	ND	U
100-51-6	BENZYL ALCOHOL	10.	ND	U
95-50-1	1,2-DICHLOROBENZENE	10.	ND	U
95-48-7	2-METHYLPHENOL	10.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	10.	ND	U
106-44-5	4-METHYLPHENOL	10.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10.	ND	U
67-72-1	HEXACHLOROETHANE	10.	ND	U
98-95-3	NITROBENZENE	10.	ND	U
78-59-1	ISOPHORONE	10.	ND	U
88-75-5	2-NITROPHENOL	10.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	10.	ND	U
65-85-0	BENZOIC ACID	50.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10.	ND	U
120-83-2	2,4-DICHLOROPHENOL	10.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	10.	ND	U
91-20-3	NAPHTHALENE	10.	ND	U
106-47-8	4-CHLOROANILINE	10.	ND	U
87-68-3	HEXACHLOROBUTADIENE	10.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10.	ND	U
91-57-6	2-METHYLNAPHTHALENE	10.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	10.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	50.	ND	U
91-58-7	2-CHLORONAPHTHALENE	10.	ND	U
88-74-4	2-NITROANILINE	50.	ND	U
131-11-3	DIMETHYLPHTHALATE	10.	ND	U
208-96-8	ACENAPHTHYLENE	10.	ND	U
606-20-2	2,6-DINITROTOLUENE	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Extracted : 9/28/90
Amount Extracted : 1000.0 mL
Date Analyzed :10/ 1/90
Instrument ID : F2

Anametrix ID : 2CB0928C0
Analyst : UM
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	50.	ND	U
83-32-9	ACENAPHTHENE	10.	ND	U
51-28-5	2,4-DINITROPHENOL	50.	ND	U
100-02-7	4-NITROPHENOL	50.	ND	U
132-64-9	DIBENZOFURAN	10.	ND	U
121-14-2	2,4-DINITROTOLUENE	10.	ND	U
84-66-2	DIETHYLPHTHALATE	10.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10.	ND	U
86-73-7	FLUORENE	10.	ND	U
100-01-6	4-NITROANILINE	50.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10.	ND	U
118-74-1	HEXACHLOROBENZENE	10.	ND	U
87-86-5	PENTACHLOROPHENOL	50.	ND	U
85-01-8	PHENANTHRENE	10.	ND	U
120-12-7	ANTHRACENE	10.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	10.	ND	U
206-44-0	FLUORANTHENE	10.	ND	U
129-00-0	PYRENE	10.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	10.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	20.	ND	U
56-55-3	BENZO(A)ANTHRACENE	10.	ND	U
218-01-9	CHRYSENE	10.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	10.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	10.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	10.	ND	U
50-32-8	BENZO(A)PYRENE	10.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	10.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	10.	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Matrix : WATER

Anametrix ID : 9009292
Analyst : LW
Supervisor : PG

	SAMPLE ID	SU1	SU2	SU3	TOTAL OUT
1	BLANK	100	96	97	0
2	FB	98	102	99	0
3	TB	96	96	98	0
4	MW4	96	101	98	0
5	MW3	98	104	98	0
6	MW2	99	103	99	0
7	MW1	96	99	98	0
8					
9					
10					
11					
12					
13					
14					
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16					
17					
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19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

	QC LIMITS
SU1 = 1,2-DICHLOROETHANE-D4	(75-113)
SU2 = TOLUENE-D8	(83-118)
SU3 = BROMOFLUOROBENZENE	(82-114)

* Values outside of Anametrix QC limits

SURROGATE RECOVERY SUMMARY -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Matrix : WATER

Anametrix ID : 9009292
Analyst : UH
Supervisor : PG

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6	TOTAL OUT
1	BLANK	47	47	34	27	38	59	0
2	MW1	41	45	31	26	36	67	0
3	MW2	23	45	30	32	38	58	0
4	MW3	39	42	31	24	33	70	0
5	MW4	46	45	30	31	43	68	0
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
SU1 = NITROBENZENE-D5	(20-105)
SU2 = 2-FLUOROBIPHENYL	(26-110)
SU3 = TERPHENYL-D14	(16-131)
SU4 = PHENOL-D5	(10-62)
SU5 = 2-FLUOROPHENOL	(11-70)
SU6 = 2,4,6-TRIBROMOPHENOL	(26-154)

* Values outside of Anametrix QC limits

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

EVE HUGGINS
AQUA TERRA TECHNOLOGIES
2950 BUSKIRK AVENUE SUITE 120
WALNUT CREEK, CA 94596

Workorder # : 9009292
Date Received : 09/28/90
Project ID : 9197
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9009292- 1	MW1	H2O	09/27/90	T 22-MET
9009292- 2	MW2	H2O	09/27/90	T 22-MET
9009292- 3	MW3	H2O	09/27/90	T 22-MET
9009292- 4	MW4	H2O	09/27/90	T 22-MET

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

EVE HUGGINS
AQUA TERRA TECHNOLOGIES
2950 BUSKIRK AVENUE SUITE 120
WALNUT CREEK, CA 94596

Workorder # : 9009292
Date Received : 09/28/90
Project ID : 9197
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

QA/QC SUMMARY :

- Matrix spikes and method blank for mercury are outside of Anametrix control limits.
- Sample MW2 has a very high concentration of zinc. Sample has been reanalyzed for zinc.
- Spike recoveries for lead are outside of Anametrix control limits due to matrix effects.

Brut Sutherland 10/3/90
Department Supervisor Date

Chemist 10-05-90
Dat

ANALYSIS DATA SHEET - TITLE 22 METALS
ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9009292
Matrix : WATER
Date Sampled : 09/27/90
Project Number: 9197

Date Prepared : 09/28/90
Date Analyzed : 10/01/90
Date Released : 10/02/90
Instrument I.D.: AA1/ICP1

ELEMENTS	EPA Method#	Reporting Limit (ug/L)	Sample I.D.# MW1 -01	Sample I.D.# MW2 -02	Sample I.D.# MW3 -03	Sample I.D.# MW4 -04	Sample I.D.# BLANK MB0928W
Silver (Ag)	6010	10.0	ND	ND	ND	ND	ND
Arsenic (As)	7060	10.0	ND	66.7	ND	ND	ND
Barium (Ba)	6010	100	ND	ND	ND	ND	ND
Beryllium (Be)	6010	5.0	ND	ND	ND	ND	ND
Cadmium (Cd)	6010	5.0	16.0	5100	429	ND	ND
Cobalt (Co)	6010	50.0	ND	1720	557	ND	ND
Total Cr	6010	10.0	ND	ND	ND	ND	ND
Copper (Cu)	6010	25.0	ND	159	506	ND	ND
Mercury (Hg)	7470	1.0	ND	ND	ND	ND	3.0
Molybdenum (Mo)	6010	10.0	ND	ND	ND	ND	ND
Nickel (Ni)	6010	40.0	308	4640	1620	ND	ND
Lead (Pb)	7421	3.0	ND	ND	ND	ND	ND
Antimony (Sb)	6010	60.0	ND	ND	ND	ND	ND
Selenium (Se)	7740	5.0	ND	ND	ND	ND	ND
Thallium (Tl)	7841	10.0	ND	ND	ND	ND	ND
Vanadium (V)	6010	50.0	ND	ND	ND	ND	ND
Zinc (Zn)	6010	20.0	31800	*	426000	134	ND

ND : Not detected at or above the practical quantitation limit for the method.

All Metals by EPA Method 6010/7000, Test Method for Evaluating Solid Waste, SW-846 3rd Edition November 1986, and California Administrative Code Title 22, Section 66699.

Chemist 10/03/90 Date

Chemist 10/03/90 Date

ANAMETRIX, INC.
1961 CONCOURSE DRIVE, SUITE E
SAN JOSE, CA 95131, (408) 432-8192

INORGANIC MATRIX SPIKE REPORT

Spike I.D. : 9009292-01MS,MD
Date Prepared: 09/28/90
Date Analyzed: 10/01/90
Assoc. WO # : 9009292

Inst. ID : ICP1/AA1
Date : 10/02/90
Matrix : WATER
Conc. Units: ug/L

ELEMENTS	METHOD	SPIKE AMOUNT	SAMPLE CONC.	M S CONC.	% REC	M S D CONC.	% REC	R P D
Ag	6010	1000	0.0	689	68.9	651	65.1	5.7
As	7060	2000	2.0	1774	88.6	1790	89.4	0.9
Ba	6010	2000	24.0	2000	98.8	1990	98.3	0.5
Be	6010	50.0	0.0	56.0	112	55.0	110	1.8
Cd	6010	50.0	16.0	61.0	90.0	62.0	92.0	2.2
Co	6010	500	20.0	503	96.6	497	95.4	1.2
TTl Cr	6010	200	3.0	183	90.0	183	90.0	0.0
Cu	6010	250	0.0	241	96.4	240	96.0	0.4
Hg	7470	5.0	0.0	6.6	132	6.9	138	4.4
Mo	6010	2000	2.0	2004	100	2002	100	0.1
Ni	6010	500	308	822	103	829	104	1.4
Pb	7421	500	0.0	133	NR	81	NR	NR
Sb	6010	500	0.0	469	93.8	473	94.6	0.8
Se	7740	2000	0.0	1990	99.5	1941	97.1	2.5
Tl	7841	2000	0.0	2210	111	2083	104	5.9
V	6010	500	6.0	492	97.2	490	96.8	0.4
Zn	6010	500	31800	32600	160	32900	220	31.6

COMMENT: Quality control limits for percent recovery are 75-125% and 25% for RPD.
NR : Not reported to interference from matrix effects.

A. Tolentino 10/2/90
Chemist Date

Jeannie Thompson 10/03/90
Chemist Date

Aqua Terra Technologies
2950 Buskirk Avenue Ste. 120
Walnut Creek, CA 94596
Tel. (415) 934-4884
Fax. (415) 934-0418

9009292

(1) 10/2 (2) 10/22

ATT

CHAIN OF SAMPLE CUSTODY RECORD
(original document, please return) Page 1 of 1

Sampled By: Layne Williams
Signature: Layne Williams
Results To Be Sent To: Eve Huggins
Results Needed By: 10/2/90
Sampling Location:
48 hr.

Date Sampled: 9,27,90
Job Number: 9197
Laboratory Name: Anametrix
Contact: Jennifer
Phone #:

Sample Identification												Analysis/EPA Method No.						
Sample Collection			Number of Containers	Preserved	Containers							EPA 8240	EPA 8270	Title 22 Metals			Cond. upon receipt	
Sample ID	Time (24 hr)	Matrix			40 ml Vials	1 Liter Amber	500 ml Plastic											Remarks
(1) MW1	17:35	Water	5	*	2	2	1					X	X	X			OK	See Notes
(2) MW2	14:55	"	5	*	2	2	1					X	X	X				
(3) MW3	13:35	"	5	*	2	2	1					X	X	X				
(4) MW4	16:00	"	5	*	2	2	1					X	X	X				
(5) TB	10:35	"	2	*	2							X						
(6) FB	12:50	"	2	*	2							X						
	:																	
	:																	
	:																	
	:																	

Notes: * with ice, 40's with HCl, 500ml with HNO_3.
Turnaround time of 3 days has been confirmed ~~with~~ by Jennifer.

Relinquished By	Date	Time
Layne Williams	9/28/90	13:25
		:
		:

Received By	Date	Time
[signature]	09/28/90	13:25
		:
		:

ANAMETRIX INC
Environmental & Analytical Chemistry
1961 Concourse Drive, Suite E, San Jose, CA 95131
(408) 432-8192 • Fax (408) 432-8198

1961 Concourse Drive, Suite E
San Jose, CA 95131
(408) 432-8192 • Fax (408) 432-8198

October 22, 1990

Ms. Eve Huggins
AQUA TERRA TECHNOLOGIES
2950 Buskirk Avenue
Suite 120
Walnut Creek, CA 94596

Project Number: 9197
Anametrix Workorder: 9009038

Dear Ms. Huggins:

Enclosed is the reissued Certified Analytical Report (CAR) that you requested. After review of your request, we have determined that a re-issued CAR is in order because of the following reason(s):

The sample I.D.'s were incorrect.

Thank you for your patience. If there is anything more that we can do, please contact me immediately.

Sincerely,

ANAMETRIX, INC.

Jennifer Payne

Jennifer Payne
Client Services Representative

JP/mh/4121

Enclosure

70-07-03

ANAMETRIX CHAIN-OF-CUSTODY

ANAMETRIX Workorder Number: 9009038

Send Report Attention of: Jennifer Payne

Report Due: 09-21-90

Verbal Due:

Sample Number	Date	Time	Comp	Grab	Station Location	Number of Cntnrs	Type of Containers	Type of Analysis: Sulfide (acid)	Condition of Samples	Initial
1	09/04/90	0820	—	—	MW4-10	1	120ml	X	Cold	
2		0935	—	—	B1-5			X		
3		0945	—	—	B1-10			X		
4		1025	—	—	B2-10			X		
5		1050	—	—	B3-5			X		
6		1100	—	—	B3-10			X		
7		1120	—	—	B4-5			X		
8		1135	—	—	B4-10			X		
9	09/05/90	0910	—	—	MW1-5			X		
10		0930	—	—	MW1-10			X		
11		1300	—	—	MW2-10			X		
12		1530	—	—	MW3-5			X		

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	9/7/90 1542	[signature]	9/7/90 1542
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

Remarks:

ANAMETRIX INC.
LABORATORY SERVICES
1961 Concourse Drive, Suite E, San Jose, CA 95131
Phone: (408)432-8192 Fax: (408)432-8198

TO-09-05T

ANAMETRIX CHAIN-OF-CUSTODY RECORD

ANAMETRIX Workorder Number: 9100903 8

Send Report Attention of: Jennifer Payne

Report Due: 09-21-90

Verbal Due:

Sample Number	Date	Time	Comp	Grab	Station Location	Number of Cntnrs	Type of Containers	Type of Analysis: Sulfide (9030)	Condition of Samples	Initial
13	09/05/90	1540	—		MW3-40	1	120ml	X	Cool (4°)	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	9/7/90 1547	[signature]	9/9/90 1542
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

Remarks:

ANAMETRIX INC.
LABORATORY SERVICES
1961 Concourse Drive, Suite E, San Jose, CA 95131
Phone: (408)432-8192 Fax: (408)432-8198

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

Date: 10/15/90

Anametrix, Inc.
1961 Concourse Drive, Ste E
San Jose, CA 95131
Jennifer Payne

Work Order: TO-09-057

This is the Certificate of Analysis for the following samples:

Client Work ID: 9009038, REVISED REPORT
Date Received: 09/07/90
Number of Samples: 13
Sample Type: solid

TABLE OF CONTENTS FOR ANALYTICAL RESULTS

Reviewed and Approved:

Donald Magarian
Project Manager

IT ANALYTICAL SERVICES
SAN JOSE, CA

Company: Anametrix, Inc., REVISED REPORT
Date: 10/15/90
Client Work ID: 9009038

Work Order: T0-09-057

TEST NAME: General Chemistry

SAMPLE ID: 9009038-1 MW3-10
SAMPLE DATE: 09/06/90
LAB SAMPLE ID: T009057-01
SAMPLE MATRIX: solid
RECEIPT CONDITION: Cool

RESULTS in Milligrams per Kilogram:

PARAMETER	METHOD	DETECTION LIMIT	DETECTED
Sulfide	9030	1.	2.

IT ANALYTICAL SERVICES
SAN JOSE, CA

Company: Anametrix, Inc., REVISED REPORT
Date: 10/15/90
Client Work ID: 9009038

Work Order: T0-09-057

TEST NAME: General Chemistry

SAMPLE ID: 9009038-2 B1-5
SAMPLE DATE: 09/06/90
LAB SAMPLE ID: T009057-02
SAMPLE MATRIX: solid
RECEIPT CONDITION: Cool

RESULTS in Milligrams per Kilogram:

PARAMETER	METHOD	DETECTION LIMIT	DETECTED
Sulfide	9030	1.	250.

IT ANALYTICAL SERVICES
SAN JOSE, CA

Company: Anametrix, Inc., REVISED REPORT
Date: 10/15/90
Client Work ID: 9009038

Work Order: T0-09-057

TEST NAME: General Chemistry

SAMPLE ID: 9009038-3 B1-10
SAMPLE DATE: 09/06/90
LAB SAMPLE ID: T009057-03
SAMPLE MATRIX: solid
RECEIPT CONDITION: Cool

RESULTS in Milligrams per Kilogram:

PARAMETER	METHOD	DETECTION LIMIT	DETECTED
Sulfide	9030	1.	230.

IT ANALYTICAL SERVICES
SAN JOSE, CA

Company: Anametrix, Inc., REVISED REPORT
Date: 10/15/90
Client Work ID: 9009038

Work Order: TO-09-057

TEST NAME: General Chemistry

SAMPLE ID: 9009038-4 B2-10
SAMPLE DATE: 09/06/90
LAB SAMPLE ID: T009057-04
SAMPLE MATRIX: solid
RECEIPT CONDITION: Cool

RESULTS in Milligrams per Kilogram:

PARAMETER	METHOD	DETECTION LIMIT	DETECTED
Sulfide	9030	1.	None

IT ANALYTICAL SERVICES
SAN JOSE, CA

Company: Anametrix, Inc., REVISED REPORT
Date: 10/15/90
Client Work ID: 9009038

Work Order: TO-09-057

TEST NAME: General Chemistry

SAMPLE ID: 9009038-5 B3-5
SAMPLE DATE: 09/06/90
LAB SAMPLE ID: T009057-05
SAMPLE MATRIX: solid
RECEIPT CONDITION: Cool

RESULTS in Milligrams per Kilogram:

PARAMETER	METHOD	DETECTION LIMIT	DETECTED
Sulfide	9030	1.	None

IT ANALYTICAL SERVICES
SAN JOSE, CA

Company: Anametrix, Inc., REVISED REPORT
Date: 10/15/90
Client Work ID: 9009038

Work Order: TO-09-057

TEST NAME: General Chemistry

SAMPLE ID: 9009038-6 B3-10
SAMPLE DATE: 09/06/90
LAB SAMPLE ID: T009057-06
SAMPLE MATRIX: solid
RECEIPT CONDITION: Cool

RESULTS in Milligrams per Kilogram:

PARAMETER	METHOD	DETECTION LIMIT	DETECTED
Sulfide	9030	1.	None

IT ANALYTICAL SERVICES
SAN JOSE, CA

Company: Anametrix, Inc., REVISED REPORT
Date: 10/15/90
Client Work ID: 9009038

Work Order: T0-09-057

TEST NAME: General Chemistry

SAMPLE ID: 9009038-7 B4-5
SAMPLE DATE: 09/06/90
LAB SAMPLE ID: T009057-07
SAMPLE MATRIX: solid
RECEIPT CONDITION: Cool

RESULTS in Milligrams per Kilogram:

PARAMETER	METHOD	DETECTION LIMIT	DETECTED
Sulfide	9030	1.	None

IT ANALYTICAL SERVICES
SAN JOSE, CA

Company: Anametrix, Inc., REVISED REPORT
Date: 10/15/90
Client Work ID: 9009038

Work Order: T0-09-057

TEST NAME: General Chemistry

SAMPLE ID: 9009038-8 B4-10
SAMPLE DATE: 09/06/90
LAB SAMPLE ID: T009057-08
SAMPLE MATRIX: solid
RECEIPT CONDITION: Cool

RESULTS in Milligrams per Kilogram:

PARAMETER	METHOD	DETECTION LIMIT	DETECTED
Sulfide	9030	1.	None

IT ANALYTICAL SERVICES
SAN JOSE, CA

Company: Anametrix, Inc., REVISED REPORT
Date: 10/15/90
Client Work ID: 9009038

Work Order: T0-09-057

TEST NAME: General Chemistry

SAMPLE ID: 9009038-9 MW1-5
SAMPLE DATE: 09/05/90
LAB SAMPLE ID: T009057-09
SAMPLE MATRIX: solid
RECEIPT CONDITION: Cool

RESULTS in Milligrams per Kilogram:

PARAMETER	METHOD	DETECTION LIMIT	DETECTED
Sulfide	9030	1.	None

IT ANALYTICAL SERVICES
SAN JOSE, CA

Company: Anametrix, Inc., REVISED REPORT
Date: 10/15/90
Client Work ID: 9009038

Work Order: TO-09-057

TEST NAME: General Chemistry

SAMPLE ID: 9009038-10 MW1-10
SAMPLE DATE: 09/05/90
LAB SAMPLE ID: T009057-10
SAMPLE MATRIX: solid
RECEIPT CONDITION: Cool

RESULTS in Milligrams per Kilogram:

PARAMETER	METHOD	DETECTION LIMIT	DETECTED
Sulfide	9030	1.	None

IT ANALYTICAL SERVICES
SAN JOSE, CA

Company: Anametrix, Inc., REVISED REPORT
Date: 10/15/90
Client Work ID: 9009038

Work Order: T0-09-057

TEST NAME: General Chemistry

SAMPLE ID: 9009038-11 MW4-10
SAMPLE DATE: 09/05/90
LAB SAMPLE ID: T009057-11
SAMPLE MATRIX: solid
RECEIPT CONDITION: Cool

RESULTS in Milligrams per Kilogram:

PARAMETER	METHOD	DETECTION LIMIT	DETECTED
Sulfide	9030	1.	None

IT ANALYTICAL SERVICES
SAN JOSE, CA

Company: Anametrix, Inc., REVISED REPORT
Date: 10/15/90
Client Work ID: 9009038

Work Order: TO-09-057

TEST NAME: General Chemistry

SAMPLE ID: 9009038-12 MW2-5
SAMPLE DATE: 09/05/90
LAB SAMPLE ID: T009057-12
SAMPLE MATRIX: solid
RECEIPT CONDITION: Cool

RESULTS in Milligrams per Kilogram:

PARAMETER	METHOD	DETECTION LIMIT	DETECTED
Sulfide	9030	1.	2.

IT ANALYTICAL SERVICES
SAN JOSE, CA

Company: Anametrix, Inc., REVISED REPORT
Date: 10/15/90
Client Work ID: 9009038

Work Order: T0-09-057

TEST NAME: General Chemistry

SAMPLE ID: 9009038-13 MW2-10
SAMPLE DATE: 09/05/90
LAB SAMPLE ID: T009057-13
SAMPLE MATRIX: solid
RECEIPT CONDITION: Cool

RESULTS in Milligrams per Kilogram:

PARAMETER	METHOD	DETECTION LIMIT	DETECTED
Sulfide	9030	1.	2.

IT ANALYTICAL SERVICES
SAN JOSE, CA

Company: Anametrix, Inc., REVISED REPORT
Date: 10/15/90
Client Work ID: 9009038

Work Order: TO-09-057

TEST CODE GEN TEST NAME General Chemistry

The methods of analysis for general chemistry are taken from E.P.A. protocol, using methods from SW-846, 3rd Edition or Methods for Chemical Analysis of Water and Wastes, 600/4-79-020. The method used is listed adjacent to the parameter in the table.

TO-09-057

ANAMETRIX CHAIN-OF-CUSTODY RECORD

ANAMETRIX Workorder Number: 9009038

Send Report Attention of: Jennifer Payne

Report Due: 09-21-90

Verbal Due:

Sample Number	Date	Time	Comp	Grab	Station Location	Number of Cntnrs	Type of Containers	Type of Analysis: Sulfides (9030)	Condition of Samples	Initial
1	09/06/90	0820	—	—	MW4-10	1	120ml	X	Cool 6	
2		0935	—	—	B1-5			X		
3		0945	—	—	B1-10			X		
4		1025	—	—	B2-10			X		
5		1050	—	—	B3-5			X		
6		1100	—	—	B3-10			X		
7		1120	—	—	B4-5			X		
8		1135	—	—	B4-10			X		
9	09/05/90	0910	—	—	MW1-5			X		
10		0930	—	—	MW1-10			X		
11		1300	—	—	MW2-10			X		
12		1530	—	—	MW3-5			X		

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	9/7/90 1542	[signature]	9/7/90 1542
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

Remarks:

ANAMETRIX INC.
LABORATORY SERVICES
1961 Concourse Drive, Suite E, San Jose, CA 95131
Phone: (408)432-8192 Fax: (408)432-8198

TO-09-057

ANAMETRIX CHAIN-OF-CUSTODY RECORD

ANAMETRIX Workorder Number: 9009038

Send Report Attention of: Jennifer Payne

Report Due: 09-21-90

Verbal Due: ✓

Sample Number	Date	Time	Comp	Grab	Station Location	Number of Cntnrs	Type of Containers	Type of Analysis: SULFIDE (9034)	Condition of Samples	Initial
13	09/05/90	1540	—	✓	MW3-10	1	120ml	X	cool (4°)	

Relinquished by: (Signature) — Date/Time: 9/7/90 1547 — Received by: (Signature) — Date/Time: 9/7/90 1547

Relinquished by: (Signature) — Date/Time: — Received by: (Signature) — Date/Time:

Relinquished by: (Signature) — Date/Time: — Received by: (Signature) — Date/Time:

Remarks:

ANAMETRIX INC.
LABORATORY SERVICES
1961 Concourse Drive, Suite E, San Jose, CA 95131
Phone: (408)432-8192 Fax: (408)432-8198

ANAMETRIX INC
Environmental & Analytical Chemistry
1961 Concourse Drive, Suite E, San Jose, CA 95131
(408) 432-8192 • Fax (408) 432-8198

REPORT

EVE HUGGINS
AQUA TERRA TECHNOLOGIES
2950 BUSKIRK AVENUE SUITE 120
WALNUT CREEK, CA 94596

Workorder # : 9009038
Date Received : 09/06/90
Project ID : 9197
Purchase Order: N/A

The following samples were received at Anametrix, Inc. for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9009038- 1	MW3-10
9009038- 2	B1-5
9009038- 3	B1-10
9009038- 4	B2-10
9009038- 5	B3-5
9009038- 6	B3-10
9009038- 7	B4-5
9009038- 8	B4-10
9009038- 9	MW1-5
9009038-10	MW1-10
9009038-11	MW4-10
9009038-12	MW2-5
9009038-13	MW2-10

This report is paginated for your convenience and ease of review. It contains 63 pages excluding the cover letter. The report is organized into sections. Each section contains all analytical results and quality assurance data related to a specific group or section within Anametrix. The Report Summary that precedes each section will help you determine which group at Anametrix generated the data. The Report Summary will contain the signatures of the department supervisor and a chemist, both of whom reviewed the analytical data. Please refer all questions to the department supervisor that signed the form.

If you have any further questions or comments on this report, please give us a call as soon as possible. Thank you for using Anametrix.

Burt Sutherland
Laboratory Director

10/12/90
Date

ANAMETRIX REPORT DESCRIPTION
GCMS

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and, within each method, organized sequentially in order of increasing Anametrix ID number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected in GC/MS analyses. TICs must be requested at the time samples are submitted at Anametrix. TIC forms immediately follow the OADS form for each sample. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method, if the method requires surrogate compounds. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*", and the total number of surrogates outside the limits will be listed in the column labelled "Total Out".

Matrix Spike Recovery Form (MSR)

MSR forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "*", and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

Anametrix uses several data qualifiers (Q) in it's report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an approximate value. Tentatively identified compounds will always have a "J" qualifier because they are not included in the instrument calibration.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 soil analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report forms. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.
- Amounts reported are gross values, i.e., not corrected for method blank contamination.

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

EVE HUGGINS
AQUA TERRA TECHNOLOGIES
2950 BUSKIRK AVENUE SUITE 120
WALNUT CREEK, CA 94596

Workorder # : 9009038
Date Received : 09/06/90
Project ID : 9197
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9009038- 1	MW3-10	SOIL	09/06/90	8240
9009038- 2	B1-5	SOIL	09/06/90	8240
9009038- 3	B1-10	SOIL	09/06/90	8240
9009038- 4	B2-10	SOIL	09/06/90	8240
9009038- 5	B3-5	SOIL	09/06/90	8240
9009038- 6	B3-10	SOIL	09/06/90	8240
9009038- 7	B4-5	SOIL	09/06/90	8240
9009038- 8	B4-10	SOIL	09/06/90	8240
9009038- 9	MW1-5	SOIL	09/05/90	8240
9009038-10	MW1-10	SOIL	09/05/90	8240
9009038-11	MW4-10	SOIL	09/05/90	8240
9009038-12	MW2-5	SOIL	09/05/90	8240
9009038-13	MW2-10	SOIL	09/05/90	8240
9009038- 1	MW3-10	SOIL	09/06/90	8270
9009038- 2	B1-5	SOIL	09/06/90	8270
9009038- 3	B1-10	SOIL	09/06/90	8270
9009038- 4	B2-10	SOIL	09/06/90	8270
9009038- 5	B3-5	SOIL	09/06/90	8270
9009038- 6	B3-10	SOIL	09/06/90	8270
9009038- 7	B4-5	SOIL	09/06/90	8270
9009038- 8	B4-10	SOIL	09/06/90	8270
9009038- 9	MW1-5	SOIL	09/05/90	8270
9009038-10	MW1-10	SOIL	09/05/90	8270

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

EVE HUGGINS
AQUA TERRA TECHNOLOGIES
2950 BUSKIRK AVENUE SUITE 120
WALNUT CREEK, CA 94596

Workorder # : 9009038
Date Received : 09/06/90
Project ID : 9197
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9009038-11	MW4-10	SOIL	09/05/90	8270
9009038-12	MW2-5	SOIL	09/05/90	8270
9009038-13	MW2-10	SOIL	09/05/90	8270

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

EVE HUGGINS
AQUA TERRA TECHNOLOGIES
2950 BUSKIRK AVENUE SUITE 120
WALNUT CREEK, CA 94596

Workorder # : 9009038
Date Received : 09/06/90
Project ID : 9197
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- Surrogate recoveries were outside established limits in the EPA method 8270 analysis of samples MW3-10, MW3-10 MS, MW3-10 MSD, B3-5, B4-10, MW1-10, MW4-10, MW2-5, MW2-10, B2-10 and B4-5. A new surrogate solution had recently been made which gave slightly higher recoveries than normal. EPA method 8270 allows two bad surrogates per analysis (one per fraction); only B4-5 violated this QA/QC requirement.
- Several compounds were outside established limits in the EPA method 8270 matrix spike of sample MW3-10.

Paul Howan 10-12-90
Department Supervisor Date

Chemist Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID	: 9197	Anametrix ID	: 9009038-01
Sample ID	: MW3-10	Analyst	: WW
Matrix	: SOIL	Supervisor	: PG
Date Sampled	: 9/ 6/90		
Date Analyzed	: 9/18/90	Dilution Factor	: 1.00
Instrument ID	: F3	Conc. Units	: ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	ND	U
75-15-0	CARBON DISULFIDE	5.	ND	U
75-09-2	METHYLENE CHLORIDE	5.	ND	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	ND	U
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	ND	U
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	ND	U
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : B1-5
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Analyzed : 9/18/90
Instrument ID : F3

Anametrix ID : 9009038-0
Analyst : MC
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	ND	U
75-15-0	CARBON DISULFIDE	5.	ND	U
75-09-2	METHYLENE CHLORIDE	5.	ND	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	ND	U
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	ND	U
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	ND	U
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : B1-10
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Analyzed : 9/18/90
Instrument ID : F3

Anametrix ID : 9009038-03
Analyst : MCT
Supervisor : PC

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	ND	U
75-15-0	CARBON DISULFIDE	5.	4.	J
75-09-2	METHYLENE CHLORIDE	5.	ND	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	ND	U
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	ND	U
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	29.	
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : B2-10
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Analyzed : 9/18/90
Instrument ID : F3

Anametrix ID : 9009038-04
Analyst : MCT
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	ND	U
75-15-0	CARBON DISULFIDE	5.	ND	U
75-09-2	METHYLENE CHLORIDE	5.	ND	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	ND	U
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	ND	U
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	ND	U
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : B3-5
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Analyzed : 9/18/90
Instrument ID : F3

Anametrix ID : 9009038-0
Analyst : MT
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	ND	U
75-15-0	CARBON DISULFIDE	5.	ND	U
75-09-2	METHYLENE CHLORIDE	5.	ND	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	ND	U
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	ND	U
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	ND	U
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : B3-10
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Analyzed : 9/18/90
Instrument ID : F3

Anametrix ID : 9009038-06
Analyst : mcr
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	ND	U
75-15-0	CARBON DISULFIDE	5.	ND	U
75-09-2	METHYLENE CHLORIDE	5.	ND	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	ND	U
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	ND	U
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	ND	U
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : B4-5
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Analyzed : 9/18/90
Instrument ID : F3

Anametrix ID : 9009038-0
Analyst : MC
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	46.	B
75-15-0	CARBON DISULFIDE	5.	ND	U
75-09-2	METHYLENE CHLORIDE	5.	ND	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	ND	U
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	ND	U
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	ND	U
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : B4-10
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Analyzed : 9/18/90
Instrument ID : F3

Anametrix ID : 9009038-08
Analyst : MC
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	ND	U
75-15-0	CARBON DISULFIDE	5.	ND	U
75-09-2	METHYLENE CHLORIDE	5.	ND	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	ND	U
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	ND	U
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	ND	U
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID	: 9197	Anametrix ID	: 9009038-0
Sample ID	: MW1-5	Analyst	: MC
Matrix	: SOIL	Supervisor	: PG
Date Sampled	: 9/ 5/90		
Date Analyzed	: 9/17/90	Dilution Factor	: 1.00
Instrument ID	: F3	Conc. Units	: ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	ND	U
75-15-0	CARBON DISULFIDE	5.	ND	U
75-09-2	METHYLENE CHLORIDE	5.	ND	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	ND	U
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	ND	U
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	ND	U
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW1-10
Matrix : SOIL
Date Sampled : 9/ 5/90
Date Analyzed : 9/17/90
Instrument ID : F3

Anametrix ID : 9009038-1(
Analyst : MCT
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	ND	U
75-15-0	CARBON DISULFIDE	5.	ND	U
75-09-2	METHYLENE CHLORIDE	5.	ND	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	ND	U
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	ND	U
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	ND	U
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW4-10
Matrix : SOIL
Date Sampled : 9/ 5/90
Date Analyzed : 9/17/90
Instrument ID : F3

Anametrix ID : 9009038-11
Analyst : (W)
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	ND	U
75-15-0	CARBON DISULFIDE	5.	ND	U
75-09-2	METHYLENE CHLORIDE	5.	ND	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	ND	U
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	ND	U
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	ND	U
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW2-5
Matrix : SOIL
Date Sampled : 9/ 5/90
Date Analyzed : 9/17/90
Instrument ID : F3

Anametrix ID : 9009038-1
Analyst : LW
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	60.	B
75-15-0	CARBON DISULFIDE	5.	ND	U
75-09-2	METHYLENE CHLORIDE	5.	ND	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	7.	J
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	ND	U
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	ND	U
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW2-10
Matrix : SOIL
Date Sampled : 9/ 5/90
Date Analyzed : 9/17/90
Instrument ID : F3

Anametrix ID : 9009038-1
Analyst : ω
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	ND	U
75-15-0	CARBON DISULFIDE	5.	ND	U
75-09-2	METHYLENE CHLORIDE	5.	ND	U
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	ND	U
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	ND	U
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	ND	U
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW3-10
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/21/90
Instrument ID : F2

Anametrix ID : 9009038-01
Analyst : [illegible]
Supervisor : [illegible]

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW3-10
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/21/90
Instrument ID : F2

Anametrix ID : 9009038-0
Analyst : M
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : B1-5
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/21/90
Instrument ID : F2

Anametrix ID : 9009038-02
Analyst : MJ
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : B1-5
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/21/90
Instrument ID : F2

Anametrix ID : 9009038-0
Analyst : MCT
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUOROANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUOROANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : B1-10
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/21/90
Instrument ID : F2

Anametrix ID : 9009038-0
Analyst : MC
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : B1-10
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/21/90
Instrument ID : F2

Anametrix ID : 9009038-0
Analyst : MCS
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : B2-10
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/22/90
Instrument ID : F2

Anametrix ID : 9009038-04
Analyst : MC
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : B2-10
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/22/90
Instrument ID : F2

Anametrix ID : 9009038-04
Analyst : MCT
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : B3-5
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/22/90
Instrument ID : F2

Anametrix ID : 9009038-0
Analyst : MCT
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : B3-5
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/22/90
Instrument ID : F2

Anametrix ID : 9009038-0
Analyst : MT
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : B3-10
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/22/90
Instrument ID : F2

Anametrix ID : 9009038-0(
Analyst : MCR
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : B3-10
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/22/90
Instrument ID : F2

Anametrix ID : 9009038-06
Analyst : MC
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUOROANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUOROANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : B4-5
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/22/90
Instrument ID : F2

Anametrix ID : 9009038-07
Analyst : MJT
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : B4-5
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/22/90
Instrument ID : F2

Anametrix ID : 9009038-07
Analyst : MCT
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : B4-10
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/22/90
Instrument ID : F2

Anametrix ID : 9009038-08
Analyst : MC
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : B4-10
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/22/90
Instrument ID : F2

Anametrix ID : 9009038-08
Analyst : MCT
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW1-5
Matrix : SOIL
Date Sampled : 9/ 5/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/22/90
Instrument ID : F2

Anametrix ID : 9009038-09
Analyst : MG
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW1-5
Matrix : SOIL
Date Sampled : 9/ 5/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/22/90
Instrument ID : F2

Anametrix ID : 9009038-09
Analyst : MCT
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW1-10
Matrix : SOIL
Date Sampled : 9/ 5/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/22/90
Instrument ID : F2

Anametrix ID : 9009038-10
Analyst : MC
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW1-10
Matrix : SOIL
Date Sampled : 9/ 5/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/22/90
Instrument ID : F2

Anametrix ID : 9009038-1(
Analyst : MC
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUOROANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUOROANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW4-10
Matrix : SOIL
Date Sampled : 9/ 5/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/22/90
Instrument ID : F2

Anametrix ID : 9009038-1
Analyst : CH
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW4-10
Matrix : SOIL
Date Sampled : 9/ 5/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/22/90
Instrument ID : F2

Anametrix ID : 9009038-1
Analyst : UM
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUOROANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUOROANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW2-5
Matrix : SOIL
Date Sampled : 9/ 5/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/22/90
Instrument ID : F2

Anametrix ID : 9009038-1
Analyst : LH
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW2-5
Matrix : SOIL
Date Sampled : 9/ 5/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/22/90
Instrument ID : F2

Anametrix ID : 9009038-
Analyst : UM
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW2-10
Matrix : SOIL
Date Sampled : 9/ 5/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/22/90
Instrument ID : F2

Anametrix ID : 9009038-1
Analyst : UM
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW2-10
Matrix : SOIL
Date Sampled : 9/ 5/90
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/22/90
Instrument ID : F2

Anametrix ID : 9009038-1
Analyst : LM
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : SOIL
Date Sampled : 0/ 0/ 0
Date Analyzed : 9/17/90
Instrument ID : F3

Anametrix ID : 3CB0917V0(
Analyst : MG
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	7.	J
75-15-0	CARBON DISULFIDE	5.	ND	U
75-09-2	METHYLENE CHLORIDE	5.	7.	
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	ND	U
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	ND	U
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	ND	U
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : SOIL
Date Sampled : 0/ 0/ 0
Date Analyzed : 9/18/90
Instrument ID : F3

Anametrix ID : 3CB0918V0C
Analyst : MCT
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	CHLOROMETHANE	10.	ND	U
75-01-4	VINYL CHLORIDE	10.	ND	U
74-83-9	BROMOMETHANE	10.	ND	U
75-00-3	CHLOROETHANE	10.	ND	U
75-69-4	TRICHLOROFLUOROMETHANE	5.	ND	U
75-35-4	1,1-DICHLOROETHENE	5.	ND	U
76-13-1	TRICHLOROTRIFLUOROETHANE	5.	ND	U
67-64-1	ACETONE	20.	9.	J
75-15-0	CARBON DISULFIDE	5.	ND	U
75-09-2	METHYLENE CHLORIDE	5.	3.	J
156-60-5	TRANS-1,2-DICHLOROETHENE	5.	ND	U
75-34-3	1,1-DICHLOROETHANE	5.	ND	U
78-93-3	2-BUTANONE	20.	ND	U
156-59-2	CIS-1,2-DICHLOROETHENE	5.	ND	U
67-66-3	CHLOROFORM	5.	ND	U
71-55-6	1,1,1-TRICHLOROETHANE	5.	ND	U
56-23-5	CARBON TETRACHLORIDE	5.	ND	U
71-43-2	BENZENE	5.	ND	U
107-06-2	1,2-DICHLOROETHANE	5.	ND	U
79-01-6	TRICHLOROETHENE	5.	ND	U
78-87-5	1,2-DICHLOROPROPANE	5.	ND	U
75-27-4	BROMODICHLOROMETHANE	5.	ND	U
110-75-8	2-CHLOROETHYLVINYL ETHER	5.	ND	U
108-05-4	VINYL ACETATE	10.	ND	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	5.	ND	U
108-10-1	4-METHYL-2-PENTANONE	10.	ND	U
108-88-3	TOLUENE	5.	ND	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5.	ND	U
79-00-5	1,1,2,-TRICHLOROETHANE	5.	ND	U
127-18-4	TETRACHLOROETHENE	5.	ND	U
591-78-6	2-HEXANONE	10.	ND	U
124-48-1	DIBROMOCHLOROMETHANE	5.	ND	U
108-90-7	CHLOROBENZENE	5.	ND	U
100-41-4	ETHYLBENZENE	5.	ND	U
1330-20-7	XYLENE (TOTAL)	5.	ND	U
100-42-5	STYRENE	5.	ND	U
75-25-2	BROMOFORM	5.	ND	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	5.	ND	U
541-73-1	1,3-DICHLOROBENZENE	5.	ND	U
106-46-7	1,4-DICHLOROBENZENE	5.	ND	U
95-50-1	1,2-DICHLOROBENZENE	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : SOIL
Date Sampled : 0/ 0/ 0
Date Extracted : 9/11/90
Amount Extracted : 30.0 g
Date Analyzed : 9/21/90
Instrument ID : F2

Anametrix ID : 2CB0911C01
Analyst : MC
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID	:	Anametrix ID	: 2CB0911C0
Sample ID	: BLANK	Analyst	: MCT
Matrix	: SOIL	Supervisor	: PG
Date Sampled	: 0/ 0/ 0		
Date Extracted	: 9/11/90		
Amount Extracted	: 30.0 g		
Date Analyzed	: 9/21/90	Dilution Factor	: 1.00
Instrument ID	: F2	Conc. Units	: ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Matrix : SOIL

Anametrix ID : 9009038
Analyst : W
Supervisor : PG

	SAMPLE ID	SU1	SU2	SU3	TOTAL OUT
1	BLANK	98	102	100	0
2	MW1-5	98	88	95	0
3	MW1-10	98	88	96	0
4	MW4-10	97	101	96	0
5	MW2-5	99	88	89	0
6	MW2-10	100	102	97	0
7					
8					
9					
10					
11					
12					
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16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

	QC LIMITS
SU1 = 1,2-DICHLOROETHANE-D4	(73-130)
SU2 = TOLUENE-D8	(74-121)
SU3 = BROMOFLUOROBENZENE	(70-124)

* Values outside of Anametrix QC limits

SURROGATE RECOVERY SUMMARY -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Matrix : SOIL

Anametrix ID : 9009038
Analyst : ww
Supervisor : PG

	SAMPLE ID	SU1	SU2	SU3	TOTAL OUT
1	BLANK	100	97	100	0
2	B3-10	100	98	99	0
3	B4-5	100	96	98	0
4	B4-10	101	97	102	0
5	MW3-10	98	112	103	0
6	B1-5	99	109	101	0
7	B1-10	99	96	99	0
8	B2-10	100	110	101	0
9	B3-5	101	112	96	0
10					
11					
12					
13					
14					
15					
16					
17					
18					
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22					
23					
24					
25					
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27					
28					
29					
30					

	QC LIMITS
SU1 = 1,2-DICHLOROETHANE-D4	(73-130)
SU2 = TOLUENE-D8	(74-121)
SU3 = BROMOFLUOROBENZENE	(70-124)

* Values outside of Anametrix QC limits

SURROGATE RECOVERY SUMMARY -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Matrix : SOIL

Anametrix ID : 9009038
Analyst : LM
Supervisor : PG

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6	TOTAL OUT
3	BLANK	68	76	58	77	128	32	0
4	MW3-10	73	79	58	82	144 *	30	1
5	B1-5	53	70	43	73	95	30	0
6	B1-10	62	69	48	67	116	29	0
7	B2-10	89 *	88	72	78	142 *	22	2
8	B3-5	81	78	59	60	150 *	21	1
9	B3-10	61	83	71	81	84	24	0
10	B4-10	91 *	91	73	86	159 *	24	2
11	MW1-5	55	73	69	77	57	22	0
12	MW1-10	82	83	65	79	137 *	19	1
13	MW4-10	92 *	92	73	93	169 *	26	2
14	MW2-5	90 *	88	71	83	177 *	22	2
15	MW2-10	93 *	88	66	87	161 *	23	2
16	MW3-1MS	70	77	58	71	159 *	25	1
17	MW3-1MSD	88 *	90	69	85	181 *	25	2
18	B4-5	97 *	97 *	75	99	164 *	26	3
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
SU1 = 2-FLUOROPHENOL	(15- 83)
SU2 = PHENOL-D5	(18- 92)
SU3 = NITROBENZENE-D5	(12- 80)
SU4 = 2-FLUOROBIPHENYL	(16-100)
SU5 = 2,4,6-TRIBROMOPHENOL	(15-135)
SU6 = TERPHENYL-D14	(15-117)

* Values outside of Anametrix QC limits

MATRIX SPIKE RECOVERY FORM -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 9197
Sample ID : MW3-10
Matrix : SOIL
Date Sampled : 9/ 6/90
Date Extracted : 9/11/90
Date Analyzed : 9/22/90
Instrument ID : F2

Anametrix ID : 9009038-0
Analyst : UH
Supervisor : PG

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	%REC LIMITS
PHENOL	3333.	0.	2371.	71	18- 85
2-CHLOROPHENOL	3333.	0.	2378.	71	15- 79
1,4-DICHLOROBENZENE	1667.	0.	1092.	66	10- 76
N-NITROSO-DI-N-PROP.(1)	1667.	0.	1270.	76	16- 83
1,2,4-TRICHLOROBENZENE	1667.	0.	1467.	88 *	12- 78
4-CHLORO-3-METHYLPHENOL	3333.	0.	2989.	90	39- 96
ACENAPHTHENE	1667.	0.	1245.	75	10-116
4-NITROPHENOL	3333.	0.	2683.	80	29-116
2,4-DINITROTOLUENE	1667.	0.	1410.	85	27-104
PENTACHLOROPHENOL	3333.	0.	5909.	177 *	18-125
PYRENE	1667.	0.	1444.	87	33-129

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	RPD LIMITS	%REC LIMITS
PHENOL	3333.	2735.	82	14	35	18- 85
2-CHLOROPHENOL	3333.	2839.	85 *	18	50	15- 79
1,4-DICHLOROBENZENE	1667.	1307.	78 *	18	27	10- 76
N-NITROSO-DI-N-PROP.(1)	1667.	1289.	77	2	38	16- 83
1,2,4-TRICHLOROBENZENE	1667.	1754.	105 *	18	23	12- 78
4-CHLORO-3-METHYLPHENOL	3333.	3315.	99 *	10	33	39- 96
ACENAPHTHENE	1667.	1421.	85	13	19	10-116
4-NITROPHENOL	3333.	2864.	86	7	50	29-116
2,4-DINITROTOLUENE	1667.	1520.	91	7	47	27-104
PENTACHLOROPHENOL	3333.	6102.	183 *	3	47	18-125
PYRENE	1667.	1493.	90	3	36	33-129

* Value is outside of Anametrix QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 7 out of 22 outside limits

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

EVE HUGGINS
AQUA TERRA TECHNOLOGIES
2950 BUSKIRK AVENUE SUITE 120
WALNUT CREEK, CA 94596

Workorder # : 9009038
Date Received : 09/06/90
Project ID : 9197
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9009038- 1	MW3-10	SOIL	09/06/90	300.0
9009038- 2	B1-5	SOIL	09/06/90	300.0
9009038- 3	B1-10	SOIL	09/06/90	300.0
9009038- 4	B2-10	SOIL	09/06/90	300.0
9009038- 5	B3-5	SOIL	09/06/90	300.0
9009038- 6	B3-10	SOIL	09/06/90	300.0
9009038- 7	B4-5	SOIL	09/06/90	300.0
9009038- 8	B4-10	SOIL	09/06/90	300.0
9009038- 9	MW1-5	SOIL	09/05/90	300.0
9009038-10	MW1-10	SOIL	09/05/90	300.0
9009038-11	MW4-10	SOIL	09/05/90	300.0
9009038-12	MW2-5	SOIL	09/05/90	300.0
9009038-13	MW2-10	SOIL	09/05/90	300.0
9009038- 1	MW3-10	SOIL	09/06/90	T 22-MET
9009038- 2	B1-5	SOIL	09/06/90	T 22-MET
9009038- 3	B1-10	SOIL	09/06/90	T 22-MET
9009038- 4	B2-10	SOIL	09/06/90	T 22-MET
9009038- 5	B3-5	SOIL	09/06/90	T 22-MET
9009038- 6	B3-10	SOIL	09/06/90	T 22-MET
9009038- 7	B4-5	SOIL	09/06/90	T 22-MET
9009038- 8	B4-10	SOIL	09/06/90	T 22-MET
9009038- 9	MW1-5	SOIL	09/05/90	T 22-MET
9009038-10	MW1-10	SOIL	09/05/90	T 22-MET

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

EVE HUGGINS
AQUA TERRA TECHNOLOGIES
2950 BUSKIRK AVENUE SUITE 120
WALNUT CREEK, CA 94596

Workorder # : 9009038
Date Received : 09/06/90
Project ID : 9197
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9009038-11	MW4-10	SOIL	09/05/90	T 22-MET
9009038-12	MW2-5	SOIL	09/05/90	T 22-MET
9009038-13	MW2-10	SOIL	09/05/90	T 22-MET

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

EVE HUGGINS
AQUA TERRA TECHNOLOGIES
2950 BUSKIRK AVENUE SUITE 120
WALNUT CREEK, CA 94596

Workorder # : 9009038
Date Received : 09/06/90
Project ID : 9197
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

QA/QC SUMMARY :

- No QA/QC problems encountered for workorder.

Department Supervisor 10-15-90 Date

Chemist 10-17-90 Date

ANALYSIS DATA SHEET - TITLE 22 METALS
ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9009038
Matrix : SOIL
Date Sampled : 09/05-09/06/90
Project Number: 9197

Date Prepared : 09/17/90
Date Analyzed : 09/19/90
Date Released : 09/24/90
Instrument I.D.: AA1/ICP1

ELEMENTS	EPA Method#	Reporting Limit (mg/Kg)	Sample I.D.# MW3-10 -01	Sample I.D.# B1-5 -02	Sample I.D.# B1-10 -03	Sample I.D.# B2-10 -04	Sample I.D.# B3-5 -05
Silver (Ag)	6010	0.5	ND	ND	ND	ND	ND
Arsenic (As)	7060	0.5	7.4	13.9	7.7	7.3	4.2
Barium (Ba)	6010	5.0	110	9540	1240	48.1	73.2
Beryllium (Be)	6010	0.25	ND	ND	0.44	ND	0.29
Cadmium (Cd)	6010	0.25	2.4	0.44	0.32	52.9	6.1
Cobalt (Co)	6010	2.5	7.0	8.2	14.5	6.1	6.0
Total Cr	6010	0.5	34.8	24.2	35.0	34.9	19.0
Copper (Cu)	6010	1.25	51.2	129	31.1	27.7	9.4
Mercury (Hg)	7471	0.025	0.064	0.16	0.24	0.048	0.031
Molybdenum (Mo)	6010	0.5	ND	ND	ND	ND	ND
Nickel (Ni)	6010	2.0	68.7	10.7	99.9	89.3	18.7
Lead (Pb)	7421	0.15	6.0	5.3	3.0	1.4	4.4
Antimony (Sb)	6010	3.0	ND	ND	ND	ND	ND
Selenium (Se)	7740	0.25	ND	ND	ND	ND	ND
Thallium (Tl)	7841	0.5	ND	ND	ND	ND	ND
Vanadium (V)	6010	2.5	31.3	31.2	41.7	22.0	17.1
Zinc (Zn)	6010	1.0	1480	105	107	14900	1630

ND : Not detected at or above the practical quantitation limit for the method.

All Metals by EPA Method 6010/7000, Test Method for Evaluating Solid Waste, SW-846 3rd Edition November 1986, and California Administrative Code Title 22, Section 66699.

A. Sokolover 10/12/90
Chemist Date

Chemist Date

ANALYSIS DATA SHEET - TITLE 22 METALS
ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9009038
Matrix : SOIL
Date Sampled : 09/05-09/06/90
Project Number: 9197

Date Prepared : 09/17/90
Date Analyzed : 09/19/90
Date Released : 09/24/90
Instrument I.D.: AA1/ICP1

	EPA Method#	Reporting Limit	Sample I.D.# B3-10	Sample I.D.# B4-5	Sample I.D.# B4-10	Sample I.D.# MW1-5	Sample I.D.# MW1-10
ELEMENTS		(mg/Kg)	-06	-07	-08	-09	-10
Silver (Ag)	6010	0.5	ND	ND	ND	20.3	ND
Arsenic (As)	7060	0.5	9.5	9.4	8.1	21.6	10.8
Barium (Ba)	6010	5.0	105	99.5	64.9	103	124
Beryllium (Be)	6010	0.25	0.31	0.27	0.28	ND	0.40
Cadmium (Cd)	6010	0.25	2.9	20.2	4.0	0.56	1.1
Cobalt (Co)	6010	2.5	12.2	7.4	15.8	6.7	16.6
Total Cr	6010	0.5	70.4	22.9	33.2	17.9	33.4
Copper (Cu)	6010	1.25	20.9	22.1	18.9	30.9	26.1
Mercury (Hg)	7471	0.025	0.16	0.029	0.046	0.17	4.3
Molybdenum (Mo)	6010	0.5	ND	ND	ND	ND	ND
Nickel (Ni)	6010	2.0	120	21.0	84.9	24.5	82.2
Lead (Pb)	6010	3.0	--	--	--	527	--
Lead (Pb)	7421	0.15	3.8	12.0	5.2	--	8.3
Antimony (Sb)	6010	3.0	ND	ND	ND	6.4	ND
Selenium (Se)	7740	0.25	ND	ND	ND	ND	ND
Thallium (Tl)	7841	0.5	ND	ND	ND	ND	ND
Vanadium (V)	6010	2.5	37.9	19.8	20.3	14.3	33.8
Zinc (Zn)	6010	1.0	2110	3290	3500	918	897

ND : Not detected at or above the practical quantitation limit for the method.

All Metals by EPA Method 6010/7000, Test Method for Evaluating Solid Waste, SW-846 3rd Edition November 1986, and California Administrative Code Title 22, Section 66699.

K. Sokolover 10/12/90
Chemist Date

Chemist Date

ANALYSIS DATA SHEET - TITLE 22 METALS
ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9009038
Matrix : SOIL
Date Sampled : 09/05-09/06/90
Project Number: 9197

Date Prepared : 09/17/90
Date Analyzed : 09/19/90
Date Released : 09/24/90
Instrument I.D.: AA1/ICP1

ELEMENTS	EPA Method#	Reporting Limit (mg/Kg)	Sample I.D.# MW4-10 -11	Sample I.D.# MW2-5 -12	Sample I.D.# MW2-10 -13	Sample I.D.# BLANK MB0917S
Silver (Ag)	6010	0.5	1.9	ND	ND	ND
Arsenic (As)	7060	0.5	8.3	14.2	7.4	ND
Barium (Ba)	6010	5.0	78.7	30.8	78.9	ND
Beryllium (Be)	6010	0.25	0.27	ND	ND	ND
Cadmium (Cd)	6010	0.25	ND	11.3	38.5	ND
Cobalt (Co)	6010	2.5	4.9	2.5	6.0	ND
Total Cr	6010	0.5	37.6	37.0	30.7	ND
Copper (Cu)	6010	1.25	9.3	96.2	27.9	ND
Mercury (Hg)	7471	0.025	0.11	0.055	0.050	ND
Molybdenum (Mo)	6010	0.5	ND	ND	ND	ND
Nickel (Ni)	6010	2.0	79.5	13.5	54.7	ND
Lead (Pb)	7421	0.15	3.8	1.6	4.1	ND
Antimony (Sb)	6010	3.0	ND	ND	ND	ND
Selenium (Se)	7740	0.25	ND	ND	ND	ND
Thallium (Tl)	7841	0.5	ND	ND	ND	ND
Vanadium (V)	6010	2.5	16.3	19.5	27.6	ND
Zinc (Zn)	6010	1.0	24.1	3800	14000	ND

ND : Not detected at or above the practical quantitation limit for the method.

All Metals by EPA Method 6010/7000, Test Method for Evaluating Solid Waste, SW-846 3rd Edition November 1986, and California Administrative Code Title 22, Section 66699.

A. Sokolowski 10/12/90
Chemist Date

[illegible] 10-12-90
Chemist Date

ANALYSIS DATA SHEET -- ANIONS EPA METHOD 300.0
ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9009038
Matrix : SOIL
Date Sampled : 09/05 & 09/06/90
Project Number: 9197

Date Prepared : 09/18/90
Date Analyzed : 09/20/90
Date Released : 09/24/90
Instrument I.D.: IC1

	ANALYTES	SULFATE
	EPA METHOD	300.0
	REPORTING LIMIT	0.5
ANAMETRIX ID	CLIENT ID	(mg/Kg)
9009038-1	MW3-10	6.6
9009038-2	B1-5	1.6
9009038-3	B1-10	5.8
9009038-4	B2-10	10200
9009038-5	B3-5	5.9
9009038-6	B3-10	906
9009038-7	B4-5	65.3
9009038-8	B4-10	31.2
9009038-9	MW1-5	0.9
9009038-10	MW1-10	200
9009038-11	MW4-10	72.2
9009038-12	MW2-5	1200
9009038-13	MW2-10	7530
ICMB0918S	METHOD BLANK	ND

ND : Not detected at or above the practical quantitation limit for the method.

All anions by EPA Method 300.0, Methods for Chemical Analysis of Water and Wastes, EPA-600 Third Edition 1984.

E. Scholover 10/12/90
Chemist Date

Chemist Date

ANAMETRIX, INC.
1961 CONCOURSE DRIVE, SUITE E
SAN JOSE, CA 95131, (408) 432-8192

INORGANICS METHOD SPIKE REPORT

Spike I.D. : 909038-04MS,MD
Date Prepared: 09/17/90
Date Analyzed: 09/19/90
Assoc. WO # : 9009038

Inst. ID : ICP1/AA1
Date : 09/24/90
Matrix : SOIL
Conc. Units: mg/Kg

ELEMENTS	METHOD	SPIKE AMOUNT	SAMPLE CONC.	M S CONC.	% REC	M S D CONC.	% REC	R P D
Ag	6010	50.0	0.0	46.6	93.2	46.0	92.0	1.3
As	7060	100	7.3	97.9	90.6	98.7	91.4	0.9
Ba	6010	100	48.1	153	105	166	118	11.7
Be	6010	2.5	0.1	2.9	110.2	3.0	114	3.6
Cd	6010	2.5	52.9	55.2	92.0	57.2	NR	NR
Co	6010	25.0	6.2	28.6	89.8	29.9	95.0	5.6
TTl Cr	6010	10.0	34.9	42.4	75.0	46.1	112	39.6
Cu	6010	12.5	27.7	39.8	96.8	39.9	97.6	0.8
Hg	7471	0.25	0.05	0.28	93.0	0.32	107	14.4
Mo	6010	100	0.0	91.4	91.4	97.1	97.1	6.0
Ni	6010	25.0	89.3	114	98.8	120	123	21.7
Pb	7421	25.0	1.4	28.0	106.4	26.6	101	5.4
Sb	6010	25.0	0.0	4.0	16.0	3.3	13.2	18.9
Se	7740	100	0.0	105	105	103	103	2.4
Tl	7841	100	0.0	103	103	103	103	0.1
V	6010	25.0	22.0	44.3	89.2	46.3	97.2	8.6
Zn	6010	25.0	14900	14800	NR	15100	NR	NR

COMMENT: Quality control limits for percent recovery are 75-125% and 25% for RPD.

NR : Not reported due to interference from relatively high background levels in the unspiked sample.

Chemist / Date

Chemist Date

ANAMETRIX, INC.
1961 CONCOURSE DRIVE, SUITE E
SAN JOSE, CA 95131, (408) 432-8192

ANIONS MATRIX SPIKE REPORT

Spike I.D. : 9009038-04MS,MD
Assoc. WO # : 9009038
Date Analyzed : 09/19/90

Inst. ID: IC1
Date : 09/24/90
Matrix : SOIL

ANALYTES	METHOD	SPIKE AMOUNT (mg/Kg)	SAMPLE CONC. (mg/Kg)	M S CONC. (mg/Kg)	% REC	M S D CONC. (mg/Kg)	% REC	R P D
SULFATE	300.0	15000	10200	25000	98.7	25300	101	2.0

COMMENT: Quality control limits for percent recovery are 75-125% and 25% for RPD.

Chemist Date 9/25-19c

Chemist Date 09-25-90

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

EVE HUGGINS
AQUA TERRA TECHNOLOGIES
2950 BUSKIRK AVENUE SUITE 120
WALNUT CREEK, CA 94596

Workorder # : 9009038
Date Received : 09/06/90
Project ID : 9197
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9009038- 1	MW3-10	SOIL	09/06/90	9045
9009038- 2	B1-5	SOIL	09/06/90	9045
9009038- 3	B1-10	SOIL	09/06/90	9045
9009038- 4	B2-10	SOIL	09/06/90	9045
9009038- 5	B3-5	SOIL	09/06/90	9045
9009038- 6	B3-10	SOIL	09/06/90	9045
9009038- 7	B4-5	SOIL	09/06/90	9045
9009038- 8	B4-10	SOIL	09/06/90	9045
9009038- 9	MW1-5	SOIL	09/05/90	9045
9009038-10	MW1-10	SOIL	09/05/90	9045
9009038-11	MW4-10	SOIL	09/05/90	9045
9009038-12	MW2-5	SOIL	09/05/90	9045
9009038-13	MW2-10	SOIL	09/05/90	9045

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QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Oct, 12TH 1990.
Department Supervisor Date

F. P. Desai 10/12/90
Chemist Date

ANALYSIS DATA SHEET - pH - EPA METHOD 9045
ANAMETRIX, INC. (408) 432-8192

Project No. : 9197
Date Sampled : 09/06/90
Date Analyzed : 09/06/90

Date released : 09/25/90
Analyst : PD
Supervisor : (SP)

Workorder #	Sample I.D.	Matrix	pH
9009038-01	MW3-10	SOIL	4.6
9009038-02	B1-5	SOIL	10.7
9009038-03	B1-10	SOIL	10.5
9009038-04	B2-10	SOIL	3.4
9009038-05	B3-5	SOIL	6.1
9009038-06	B3-10	SOIL	5.2
9009038-07	B4-5	SOIL	6.1
9009038-08	B4-10	SOIL	5.2
9009038-09	MW1-5	SOIL	7.1
9009038-10	MW1-10	SOIL	6.4
9009038-11	MW4-10	SOIL	5.8
9009038-12	MW2-5	SOIL	8.1
9009038-13	MW2-10	SOIL	4.0

9045 : pH Electrometric Measurement as determined by Methods for Chemical Analysis of water and wastes.

ATTACHMENT E

Porter-Cologne Act
Section 13271

CALIFORNIA PORTER-COLOGNE WATER QUALITY ACT

(California Water Code, Division 7 — Water Quality; Enacted by California Statutes of 1969, Chapter 482; Amended by Stats. 1969, Ch. 800; Stats. 1970, Chs. 202, 254, 902, 918, 956, 1159, 1462, 1464; Stats. 1971, Chs. 668, 1288, 1593; Stats. 1972, Chs. 813, 1256, 1315; Stats. 1974, Chs. 46, 207, 742, 804; Stats. 1975, Ch. 888; Stats. 1976, Chs. 149, 596, 1165, 1330; Stats. 1977, Chs. 579, 1032, 1194, 1252; Stats. 1978, Chs. 380, 436, 618, 622, 746, 894, 934; Stats. 1979, Chs. 528, 721, 947; Stats. 1980, Chs. 656, 676, 807, 808, 877; Stats. 1981, Ch. 714; Stats. 1982, Chs. 90, 1480; Stats. 1983, Chs. 40, 1045; Stats. 1984, Chs. 268, 1461, 1532, 1535, 1541, 1542, Stats. 1985, Chs. 148, 420, 653, 1520, 1591; Stats. 1986, Chs. 6, 31, 649, 758, 971, 978, 1013, 1152, 1373, 1478, 1479; Stats. 1987, Chs. 932, 1189, 1313, 1372; Stats. 1988, Chs. 47, 622; 894, 1026, 1631; Stats. 1989, Chs. 269, 536, 578, 627, 642, 736, 1032, 1360, 1445; Stats. 1990, Ch. 35)

Administering Agency: State Water Resources Control Board
P.O. Box 100
Sacramento, Calif. 95801

CHAPTER 1. POLICY

13000. The Legislature finds and declares that the people of the state have a primary interest in the conservation, control, and utilization of the water resources of the state, and that the quality of all the waters of the state shall be protected for use and enjoyment by the people of the state.

The Legislature further finds and declares that activities and factors which may affect the quality of the waters of the state shall be regulated to attain the highest water quality which is reasonable, considering all demands being made and to be made on those waters and the total values involved, beneficial and detrimental, economic and social, tangible and intangible.

The Legislature further finds and declares that the health, safety and welfare of the people of the state requires that there be a statewide program for the control of the quality of all the waters of the state; that the state must be prepared to exercise its full power and jurisdiction to protect the quality of waters in the state from degradation originating inside or outside the boundaries of the state; that the waters of the state are increasingly influenced by interbasin water development projects and other statewide considerations; that factors of precipitation, topography, population, recreation, agriculture, industry and economic development vary from region to region within the state; and that the statewide program for water quality control can be most effectively administered regionally, within a framework of statewide coordination and policy.

13001. It is the intent of the Legislature that the state board and each regional board shall be the principal state agencies with primary responsibility for the coordination and control of water quality. The state board and regional boards in exercising any power granted in this division shall conform to and implement the policies of this chapter and shall, at all times, coordinate their respective activities so as to achieve a unified and effective water quality control program in this state.

13002. No provision of this division or any ruling of the state board or a regional board is a limitation:

(a) On the power of a city or county or city and county to adopt and enforce additional regulations, not in conflict therewith, imposing further conditions, restrictions, or limitations with respect to the disposal of waste or any other activity which might degrade the quality of the waters of the state.

(b) On the power of any city or county or city and county to declare, prohibit, and abate nuisances.

(c) On the power of the Attorney General, at the request of a regional board, the state board, or upon his own motion, to bring an action in the name of the people of the State of California to enjoin any pollution or nuisance.

(d) On the power of a state agency in the enforcement or administration of any provision of law which it is specifically permitted or required to enforce or administer.

(e) On the right of any person to maintain at any time any appropriate action for

13271. (a) Except as provided by subdivision (b), any person who, without regard to intent or negligence, causes or permits any hazardous substance or sewage to be discharged in or on any waters of the state, or discharged or deposited where it is, or probably will be, discharged in or on any waters of the state, shall, as soon as (1) that person has knowledge of the discharge, (2) notification is possible, and (3) notification can be provided without substantially impeding cleanup or other emergency measures, immediately notify the Office of Emergency Services of the discharge in accordance with the spill reporting provision of the state toxic disaster contingency plan adopted pursuant to Article 3.7 (commencing with Section 8574.7) of Chapter 7 of Division 1 of Title 2 of the Government Code and immediately notify the state board or the appropriate regional board of the discharge. The state board or the regional board shall list all notifications received by them pursuant to this section in the minutes of the next business meeting and shall provide a copy of the minutes to the appropriate local health officials.

(b) The notification required by this section shall not apply to a discharge in compliance with waste discharge requirements or other provisions of this division.

(c) Any person who fails to provide the notice required by this section is guilty of a misdemeanor and shall be punished by a fine of not more than twenty thousand dollars ($20,000) or imprisonment of not more than one year, or both. Except where a discharge to the waters of this state would have occurred but for cleanup or emergency response by a public agency, this subdivision shall not apply to any discharge to land which does not result in a discharge to the waters of this state.

(d) Notification received pursuant to this section or information obtained by use of such notification shall not be used against any person providing the notification in any criminal case, except in a prosecution for perjury or giving a false statement.

(e) Immediate notification of an appropriate agency of the federal government of the discharge shall constitute compliance with the requirements of subdivision (a).

(f) For substances listed as hazardous wastes or hazardous material pursuant to Section 25140 of the Health and Safety Code, the state board in consultation with the State Department of Health Services, shall by regulation establish reportable quantities for purposes of this section. The regulations shall be based on what quantities should be reported because they may pose a risk to public health or the environment if discharged to ground or surface water. Regulations need not set reportable quantities on all listed substances at the same time. Regulations establishing reportable quantities shall not supersede waste discharge requirements or water quality objectives adopted pursuant to this division, and shall not supersede or affect in any way the list, criteria, and guidelines for the identification of hazardous wastes and extremely hazardous wastes adopted by the State Department of Health Services pursuant to Chapter 6.5 (commencing with Section 25100) of Division 20 of the Health and Safety Code. The regulations of the Environmental Protection Agency for reportable quantities of hazardous substances for purposes of the Comprenensive Environment Response, Compensation, and Liability Act of 1980 shall be in effect for purposes of the enforcement of this section until the time that the regulations required by this subdivision are adopted.

(g) The state board shall, on or before June 30, 1987, adopt regulations establishing reportable quantities of sewage for purposes of this section. The regulations shall be based on the quantities that should be reported because they may pose a risk to public health or the environment if discharged to ground or surface water. Regulations establishing reportable quantities shall not supersede waste discharge requirements or water quality objectives adopted pursuant to this division. For purposes of this section, "sewage" means the effluent of a municipal waste water treatment plant or a private utility waste water treatment plant, as those terms are defined in Section 13625.