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JAN 14 1993

January 13, 1993

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Director
U.S. Environmental Protection Agency
Region IX
75 Hawthorne Street
San Francisco, CA 94105

Mr. Dennis Dickerson
Regional Administrator
Cal EPA, Department of Toxic Substances Control
Region III
1405 North San Fernando Boulevard
Suite 300
Burbank, CA 91504

RE: Oil & Solvent Process Company, Azusa, California - CAD008302903
RCRA Facility Investigation

Gentlemen:

Chemical Waste Management, Inc. (CWM) is pleased to submit the RCRA Facility Investigation (RFI) Phase III Groundwater Investigation Report and RFI Summary Report for Oil & Solvent Process Company (OSCO). The Groundwater Investigation Report serves as the Final Report of the RFI process at OSCO. The reports fulfill the requirements of Sections VI.8 and VI.8.B of OSCO's Part B RCRA Permit. Two copies of each document are attached.

Major activities of the Groundwater Investigation included installation of five monitoring wells at the OSCO facility, sampling and analyzing groundwater from those wells for chemicals present in the OSCO vadose zone and the regional aquifer, and determining local and site-specific groundwater gradients. Also, subsurface data were collected and evaluated from offsite establishments of concern, with respect to the San Gabriel Valley Basin Superfund investigation.

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The data review leads us to conclude that groundwater flow at OSCO is subject to changes in gradient direction in response to artificial recharge. The gradient changes can occur rapidly and make standard upgradient versus downgradient comparisons of site groundwater chemistry difficult. Nevertheless, a conceptual groundwater flow and contaminant model is presented.

There has been no direct indication as to whether OSCO operations have contributed to contamination of the aquifer. Although solvent chemicals are handled by OSCO are present in groundwater, these chemicals are known to be regionally present. Several organic chemicals handled by OSCO that are present at depth in the vadose zone were not detected in groundwater samples. This strongly indicates that OSCO operations have not adversely affected groundwater quality.

OSCO is presently conducting frequent water level measurements at the facility wells. Changes in groundwater gradient will be reviewed to assess rapid changes in gradient and compared with the analytical results of the continuing quarterly groundwater monitoring (sampling and analysis). Our goal is to refine the hypothetical flow and contaminant transport model presented in the Groundwater Investigation following a full year of data collection.

With the completion of this final phase of the RFI process, CWM would like to meet with you in the near future to review our progress thus far, groundwater data collection and reporting in 1993, and the potential for future activities under the Corrective Measure portion of the OSCO permit.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please call me at our Fremont office at (510) 651-2964.

Sincerely,

CHEMICAL WASTE MANAGEMENT, INC.

Marc I. Yalom, R.G.
Regional Hydrogeologist

MIY/jf

Attachments

cc: Director, Los Angles Regional Water Quality Control Board

13.0 REGISTERED GEOLOGIST REVIEW

This report has been developed by formally educated and trained geologic personnel according to the environmental protocols generated by *SEC*. This report has been reviewed by the undersigned.

Project No. A2624.00
Oil & Solvent Process Company Facility
1701 West First Street
Azusa, California 91702

Lawrence L. Neuvirth
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REGISTERED GEOLOGIST
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M/B&A Project No. MB-1991-169

RCRA FACILITY INVESTIGATION SUMMARY REPORT

Oil & Solvent Process Company
Azusa, California

Prepared for:

CHEMICAL WASTE MANAGEMENT, INC.
4227 Technology Drive
Fremont, California 94538

Prepared by:

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11 January 1993

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LIST OF SYMBOLS AND ACRONYMS

As	--	arsenic
B	--	boring
bgs	--	below ground surface
BDL	--	below detection limit
BTXE	--	benzene/toluene/xylenes/ethylbenzene
Cal-EPA	--	California Environmental Protection Agency
CCR	--	California Code of Regulations
Cd	--	cadmium
CERCLA	--	Comprehensive Environmental Response, Compensation and Liability Act of 1980 (commonly known as Superfund)
Cr	--	chromium
Cu	--	copper
CWM	--	Chemical Waste Management, Inc.
ft	--	feet
Hg	--	mercury
LSA	--	local study area
M/B&A	--	Meredith/Boli & Associates, Inc.
MEK	--	methyl ethyl ketone
mg/kg	--	milligram per kilogram
mg/l	--	milligram per liter
MIBK	--	methyl isobutyl ketone
msl	--	mean sea level
MW	--	monitoring well
NA	--	not analyzed
Ni	--	nickel
OSCO	--	Oil and Solvent Process Company
Pb	--	lead
PCB	--	polychlorinated biphenyl
PCE	--	perchloroethene (or tetrachloroethene)
ppmv	--	parts per million (by volume)
PRP	--	Potentially Responsible Party
PVC	--	polyvinyl chloride
RCRA	--	Resource Conservation and Recovery Act of 1976
RFI	--	RCRA Facility Investigation
RWQCB	--	Regional Water Quality Control Board (Los Angeles Region)
Sb	--	antimony
Se	--	selenium
TCE	--	trichloroethene
Tl	--	thallium
TP	--	test pit
ug/kg	--	microgram per kilogram
ug/l	--	microgram per liter
USEPA	--	United States Environmental Protection Agency
VOC	--	volatile organic compound
WTI	--	Western Technologies, Inc.

LIST OF SYMBOLS AND ACRONYMS
(concluded)

Zn	--	zinc
1,1-DCA	--	1,1-dichloroethane
1,1-DCE	--	1,1-dichloroethene
1,2-DCA	--	1,2-dichloroethane
1,2-DCB	--	1,2-dichlorobenzene
1,4-DCB	--	1,4-dichlorobenzene
1,1,1-TCA	--	1,1,1-trichloroethane

1.0 INTRODUCTION

The Oil & Solvent Process Company (OSCO) has been recycling spent solvents into solvent products at its Azusa, California facility (CAD008202903) since 1954. Recycling operations involve the storage and processing of solvents in containers and tanks and their treatment via distillation units. Throughout its operational history, OSCO appears to have exercised more caution than most contemporaneous businesses to minimize the possibility and occurrence of environmental releases. In spite of this environmental awareness and concern, historical spills and releases have occurred at the site that have resulted in areas of observed soil contamination.

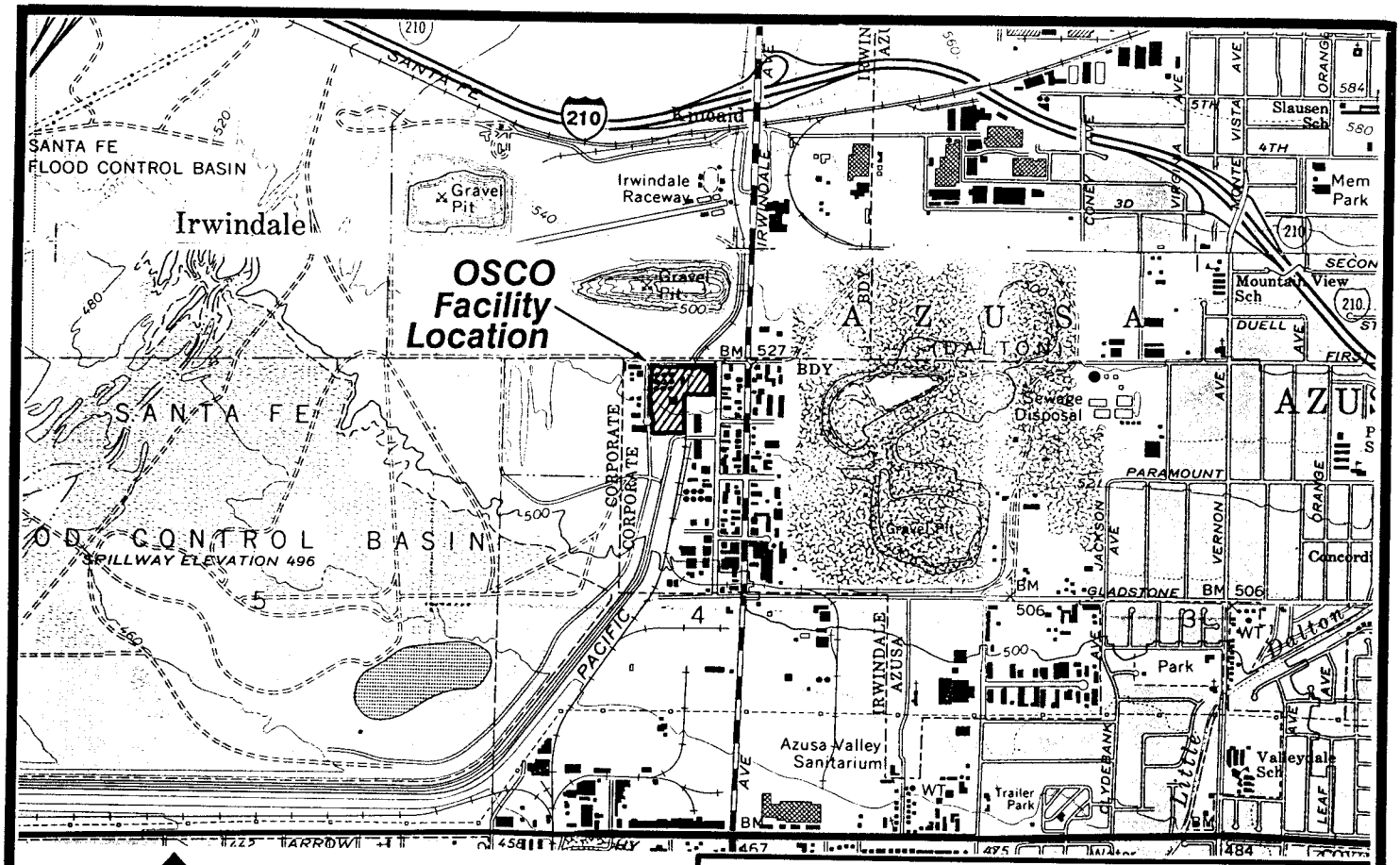
Groundwater contamination in the San Gabriel Valley, first detected in December 1979, has lead to thirteen years of basin-wide assessments, individual site investigations, and proposed and actual groundwater remediation activities. Four broad areas of groundwater contamination were delineated and placed on the US Environmental Protection Agency's (USEPA's) National Priorities List in May 1984. OSCO was identified as a Potentially Responsible Party (PRP) for the regional groundwater contamination on 15 March 1991. USEPA has assumed the lead role for Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) investigation activities in the San Gabriel Valley, with the Los Angeles Regional Water Quality Control Board (RWQCB) providing site investigation and groundwater monitoring assistance under separate State agency programs.

USEPA's search for PRPs has been conducted under the aegis of either its CERCLA or Resource Conservation and Recovery Act (RCRA) program, depending on the regulatory status of the business entity involved. In OSCO's case, USEPA agreed in 1989 that site investigations would be performed pursuant to the conditions of the facility's RCRA "Part B" hazardous waste facility permit, issued during that year. Explicit and comprehensive conditions in the RCRA permit dictate the performance of a multi-stage RCRA Facility Investigation (RFI) at the site. The RFI was initiated at the OSCO facility in early 1989, and has included a soil gas survey (Phase I), shallow soil investigation (Phase IIa), deep soil investigation (Phase IIb), and groundwater investigation (Phase III). Reports that describe the results of these individual programs have been prepared and are available at USEPA offices in San Francisco and California Environmental Protection Agency (Cal-EPA) offices in Burbank, California (see Section 5.0 herein). This summary report has been prepared to facilitate general public review and understanding of RFI activities at the site.

2.0 FACILITY SETTING

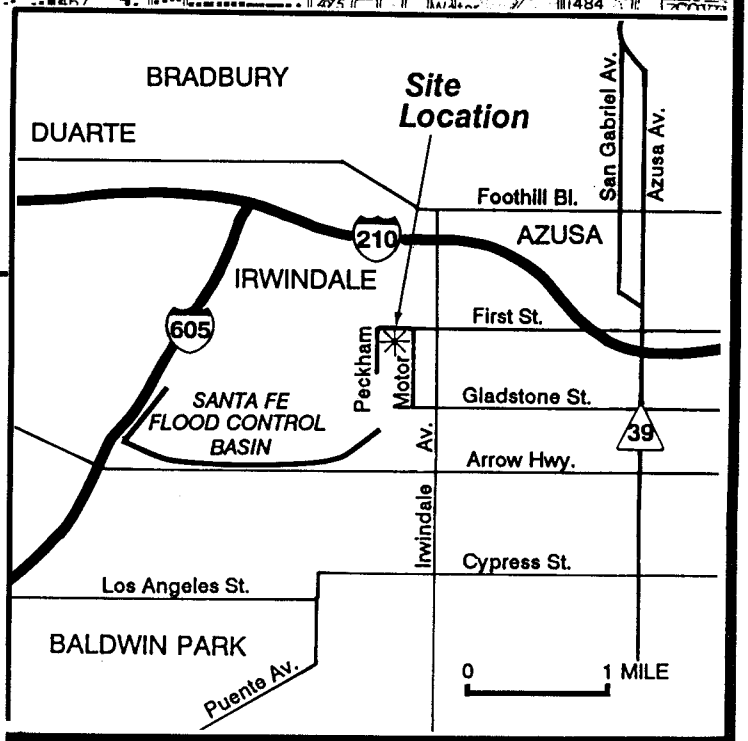
OSCO is a wholly-owned subsidiary of Chemical Waste Management (CWM), with regional offices headquartered in Fremont, California. As a California corporation, OSCO is the legal owner/operator of the facility. The 10-acre facility is located at 1704 West First Street, Azusa, California. It is within the boundaries of the City of Azusa, less than 1 mile south from the Foothill Freeway (US Interstate 210) and approximately 20 miles northeast from downtown Los Angeles (see Figure 1).

The OSCO site and immediately surrounding area have been designated for heavy industrial activity. Several large and small business neighbors surround the site, particularly along Motor and Irwindale Avenues to the east. Significant nearby features include the Santa Fe Flood Control Basin to the west, the Miller Brewing Company to the north, and the Azusa Land Reclamation Company Landfill to the east, all within a 1-mile radius of the site. The most recently issued zoning map (January 1989) for the City of Azusa designates the site for general manufacturing (M2).



SCALE 0 ½ 1 MILE

BASE MAP: U.S. Geologic Survey 7.5 Minute Series
Azusa, California Quadrangle
1964, photorevised 1981.



MEREDITH/BOLI & ASSOCIATES, INC.

OIL & SOLVENT PROCESS COMPANY

SITE LOCATION MAP

FIGURE 1

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2.1 CLIMATE

Climatic conditions in the San Gabriel Valley are characterized by warm summers, mild winters, and infrequent rainfall. Temperatures in the valley generally are moderate, seldom dropping below freezing. The summer months occasionally may bring temperatures that exceed 100°F.

Precipitation averages 27 inches on the frontal area of the San Gabriel Mountains and 18 inches over the valley floor. Average annual precipitation recorded between the years 1985 and 1991 (inclusive) at West Azusa Station No. 406C (approximately 1 mile southeast from the site) was 13.9 inches. This annual average undoubtedly is lower than normal due to the region-wide drought conditions experienced during the period of measurement. Approximately 77% of the annual precipitation in the San Gabriel Valley occurs between the months of December and March, inclusive.

2.2 TOPOGRAPHY

The OSCO facility is located in the center of the San Gabriel Valley in eastern Los Angeles County. The San Gabriel Valley is bounded on the north by the San Gabriel Mountains and on the southeast and southwest by the Repetto, Merced, Puente, and San Jose Hills. The elevation of the San Gabriel Valley floor ranges from 725 feet above mean sea level (msl) near the base of the San Gabriel Mountains to 200 feet msl at Whittier Narrows to the south; the elevation of the OSCO facility is about 520 feet msl. The San Gabriel Mountains rise in elevation to over 10,000 feet msl.

Surface water drainage from the adjacent mountains and foothills serves to recharge two major river systems -- the Rio Hondo and San Gabriel Rivers. The main channels of these two rivers traverse the central portion of the valley and drain through a narrow topographic gap referred to as Whittier Narrows, a 1.5-mile floodplain that occurs between the Merced and Puente Hills. Approximately 77% of the San Gabriel Mountains that are tributary to the San Gabriel Basin are drained by the San Gabriel River, which flows past the OSCO site approximately 0.5 mile to the west. Surface drainage from the OSCO site flows into the Santa Fe Flood Control Basin to the south-southwest, which forms a physical impoundment for surface water flows in the San Gabriel River as well as for local storm water runoff.

2.3 GEOLOGY

The San Gabriel Mountains are of igneous and metamorphic origin and are characterized by high relief and rugged terrain. Reaching heights of thousands of feet and extending 60 miles from San Fernando Pass in the west to San Bernardino County in the east, the range is one of several east-west trending mountain belts that make up the Transverse Ranges Geologic Province. Formation and uplift of the San Gabriel Mountains have occurred through a complex history beginning in the late Cretaceous and continuing into recent time.

Near the base of the San Gabriel Mountains, the valley floor is covered by older alluvial debris and large fan deposits. These deposits give way to recent alluvium in the valley center. In the vicinity of the OSCO site, the subsurface consists primarily of weakly stratified sandy gravel and gravelly sand with occasional thin interbeds of fine-grained sand, silt, and clay. The gravels commonly have a matrix consisting of various grades of sand and less commonly silty or clayey materials. Boulders, as large as 14 feet in diameter, commonly are encountered in the near subsurface (i.e., the upper 50 feet). Below a depth of approximately 200 feet, trace to moderate amounts of clay are more likely to be found in the matrix of some gravels, although these finer-grained sediments are still a very small percentage of the overall subsurface composition.

At the junction of the San Gabriel Valley and the San Gabriel Mountains lies the seismically active Sierra Madre fault system. This system is made up of five or six east-west trending faults, of which the closest to the OSCO facility is the Duarte Fault 5,500 feet to the north. Displacement on these faults is primarily high-angle reverse dip-slip. The rocks/sediments on the north side of the faults have been displaced upward relative to the rocks/sediments on the south side. Groundwater flow within the San Gabriel Basin to the north of the OSCO site is interrupted by the Sierra Madre fault system, which creates groundwater elevation differences of 100 to 200 feet across individual faults.

2.4 GROUNDWATER

Groundwater in the San Gabriel Basin generally moves from the perimeter of the valley toward Whittier Narrows. However, subsurface barriers to groundwater flow (i.e., faults), groundwater pumping, and artificial recharge areas cause localized variations in this generalized pattern. The San Gabriel Basin aquifer generally is considered to be unconfined, although local areas of semi-confined conditions may be present. Calculated rates of groundwater flow velocity range from 100 to 1,000 feet per year. The specific yield and transmissivity of the alluvial deposits are variable throughout the basin, with higher values occurring toward the center and lower values occurring toward the edges. Typical well yields in the basin range from 100 to 4,000 gpm.

The groundwater budget for the San Gabriel Basin is defined by all sources of recharge and discharge to the basin. Recharge sources include:

- Percolation of precipitation
- Infiltration of applied water
- Artificial recharge at spreading grounds
- Percolation of surface water from natural waterbodies
- Subsurface inflow into the basin.

The primary sinks for groundwater discharge from the basin include:

- Groundwater pumping
- Discharge to surface water
- Subsurface outflow (through Whittier Narrows).

Groundwater levels near the OSCO facility fluctuate in response to the various recharge/discharge events and have been observed to vary by as much as 120 feet during a 54-year monitoring period. Recent (November 1992) measurements at the OSCO site found the groundwater elevation to be about 240 feet msl (280 feet below ground surface; bgs).

Potable water supply for the approximately 1.2 million people that live in the San Gabriel Valley is met primarily by pumping of local groundwater, which during the past 10 years, has accounted for approximately 87% of the total water demand. Annual groundwater production from the San Gabriel Basin between the water years 1976-77 and 1986-87 (inclusive) varied from 184,649 to 237,885 acre-feet.

3.0 RCRA FACILITY INVESTIGATION (RFI) RESULTS

The OSCO RFI was performed between 2 March 1989 and 13 October 1992. Specific activities and milestones that transpired during this period are listed in Table 1. Descriptions and results for each investigation phase are summarized in the following sections.

3.1 PHASE I -- SHALLOW SOIL GAS SURVEY

Phase I of the RFI was intended to identify potential contaminant sources or soil "hot spots" by means of a shallow soil gas investigation. Soil gas was sampled from 77 equidistant grid points throughout the facility and analyzed for organic constituents that included chlorinated and non-chlorinated hydrocarbons. Samples collected from nominal depths of 2.5 to 5.0 feet bgs indicated the presence of trichloroethene (TCE), perchloroethene (PCE), 1,1,1-trichloroethane (1,1,1-TCA), and, to a lesser extent, benzene/toluene/ xylenes/ethylbenzene (BTXE) in the soil gas phase. Based on the development of concentration isopleths for these organic compounds, it was possible to identify likely sources of soil contamination and target certain areas for further investigation.

3.2 PHASE IIa -- SHALLOW SOIL INVESTIGATION

The shallow soil investigation consisted of sampling in fourteen test pits that were excavated to nominal depths of 5 feet bgs using a backhoe. Test pit locations were selected to include 1) areas requested by USEPA based on its aerial photographic review and interpretation of the site, 2) areas of suspected contamination determined from the soil gas survey, 3) areas beneath facility units being closed (i.e., Distillation Unit No. 1), and 4) current and historical surface water drainage pathways (see Figure 2). The program was designed to meet the following objectives:

- Determine contaminant migration depths
- Determine if constituents were attenuating with depth
- Select a reduced list of "target analytes" for subsequent deep soil investigation.

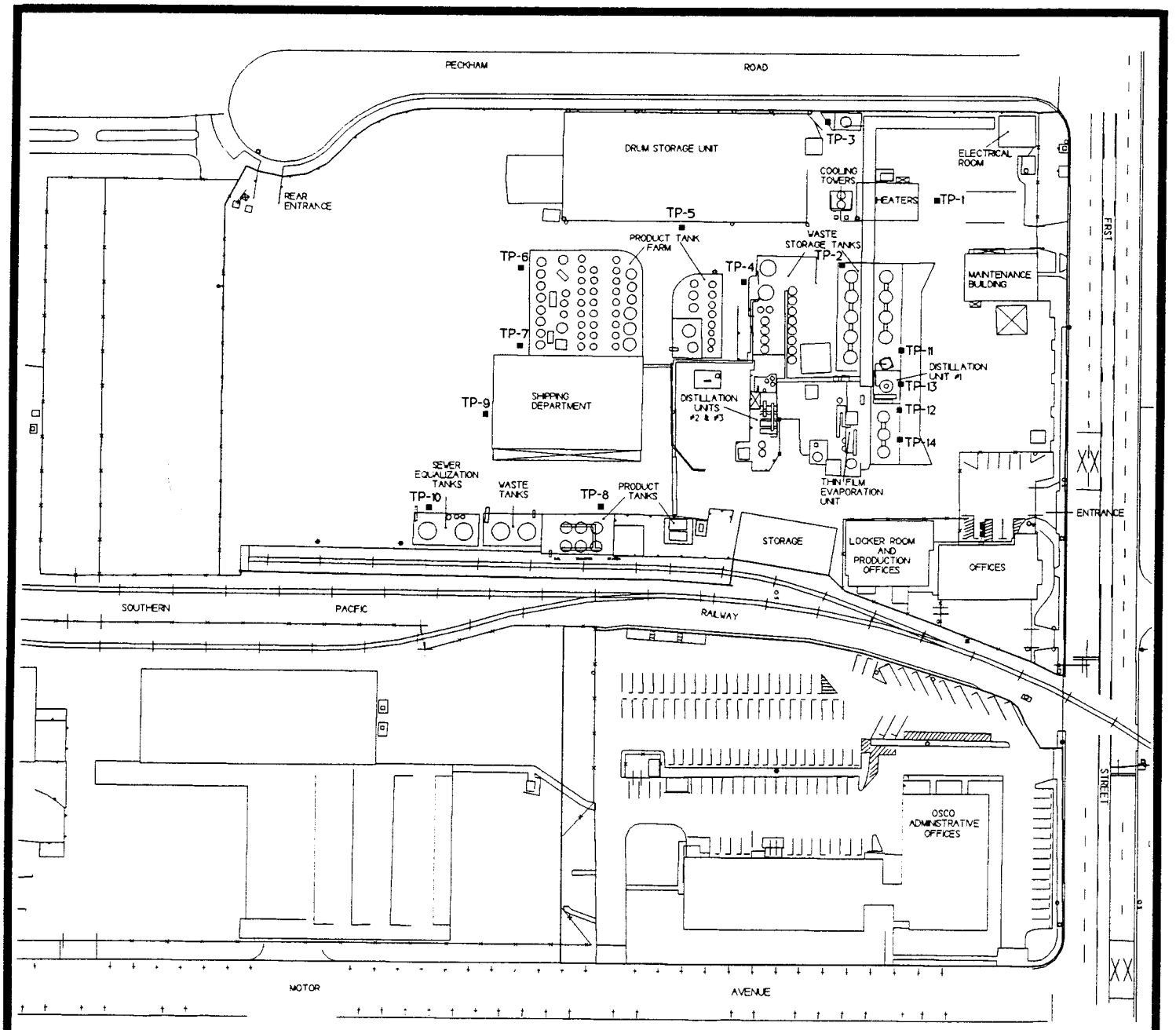
The results of the shallow soil chemical analyses are summarized in Table 2 (metals) and Table 3 (organics). Metal concentrations were found to be relatively uniform across the site and appear to reflect background conditions. All of the soil samples contained chromium, copper, nickel, zinc, and arsenic. The remaining metals were detected in as few as one sample (antimony and mercury) to as many as eleven samples (selenium). None of the metal concentrations exceeded levels that would cause them to be characterized as hazardous in accordance with State regulations (i.e., Title 22 of the California Code of Regulations (CCR), Section 66261.24).

Volatile organic compounds (VOCs) were detected at various depths in ten of the fourteen test pits, with PCE being the most commonly reported contaminant. When detected, PCE was measured at concentrations ranging from 5 to 830 ug/kg. No other contaminant was detected at more than three sampling locations/depths. Test pit TP-4 exhibited the greatest number of contaminants (six) and the highest concentrations. The detection of PCE at a concentration of 830 ug/kg at the 5-foot depth from test pit TP-8 also was considered significant.

TABLE 1

CHRONOLOGICAL SUMMARY OF RFI ACTIVITIES

Date	Activity
2 March 1989	Final workplan for soil gas survey (Phase I) activities submitted
April 1989	Auxiliary workplan information submitted for soil gas survey
16-25 October 1989	Soil gas survey performed at the OSCO facility
19 January 1990	Soil gas survey results reported
2 March 1990	Final workplan for shallow and deep soil sampling (Phase II) activities submitted
3 April 1990	Phase II workplan revised
24 July 1990	Phase II workplan receives final agency approval
24-26 July 1990 7-10 August 1990	Shallow soil sampling (Phase IIa) performed at the OSCO facility
5 October 1990	Shallow soil sampling results reported
8 January 1991	Phase IIb workplan revised and approved by USEPA
8 February 1991	Phase IIb field investigations commence
23 May 1991	Nine deep soil borings completed and sampled
August/September 1991	Soil vapor probes installed and vapor extraction tests performed
15 October 1991	Phase III "Groundwater Monitoring Plan" submitted
19 November 1991	Phase IIb report submitted to USEPA and Cal-EPA
5 February 1992	USEPA approves Phase III "Groundwater Monitoring Plan," as revised
27 April 1992	Drilling of first groundwater monitoring well begins
25 May 1992	Installation of five monitoring wells completed
10 and 13 August 1992	First round of groundwater sampling
18 August 1992	Surface soil sediment sampling performed in accordance with revised workplan
10-11 September 1992	Second round of groundwater sampling
12-13 October 1992	Third round of groundwater sampling



N

■ TP = TEST PIT

40 0 40 80 120
SCALE FEET
SOURCE AIRBORNE SYSTEMS INC JULY 1991

MEREDITH/BOLI & ASSOCIATES, INC.

OIL & SOLVENT PROCESS COMPANY

FIGURE 2

SHALLOW SOIL TEST PIT LOCATIONS

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TABLE 2

SUMMARY OF METALS DETECTED DURING THE SHALLOW SOIL SAMPLING PROGRAM

Sample Location	Sample Date	Sample Depth (ft bgs)	Concentration (mg/kg)										
			As	Sb	Cd	Cr	Cu	Pb	Hg	Ni	Se	Tl	Zn
TP-1	08/08/90	1	2.2	--	--	18	20	5.5	--	12	0.6	--	56
TP-2	07/25/90	1	3.2	--	--	11	14	2.4	--	6.6	1.0	--	29
TP-3	08/08/90	1	1.9	0.5	--	9.3	11	--	--	9	0.5	--	26
TP-4	08/08/90	1	3.2	--	--	26	29	--	--	19	0.8	--	42
TP-5	08/08/90	1	2.4	--	--	17	220	--	--	13	0.6	--	22
TP-6	08/09/90	1	1.4	--	--	11	12	4.1	--	4	--	--	34
TP-7	08/09/90	1	1.4	--	--	17	20	10	--	10	--	--	54
TP-8	08/08/90	1	2.9	--	--	24	24	--	--	14	--	--	48
TP-9	08/08/90	1	2.8	--	0.07	15	18	10	--	9	0.7	--	40
TP-10	08/07/90	1	7.7	--	0.21	29	30	26	--	15	0.6	--	56
TP-11	07/24/90	1	3.1	--	--	11	17	1.7	3.2	8.2	0.8	--	29
TP-12	07/24/90	1	5.1	--	0.07	20	24	17	--	14	1.2	9.1	62
TP-13	07/24/90	1	3.0	--	--	6.9	15	3.5	--	7.9	1.2	6.0	29
TP-14	07/24/90	1	3.0	--	--	9.7	13	1.7	--	8.8	1.1	--	24

Detection Limits:

Sb = 0.2 mg/kg
Cd = 0.06 mg/kg
Pb = 0.8 mg/kg
Hg = 0.2 mg/kg
Se = 0.4/0.5 mg/kg
Tl = 0.8 mg/kg

-- = Below detection limit

TABLE 3

SUMMARY OF ORGANIC COMPOUNDS DETECTED DURING THE SHALLOW SOIL SAMPLING PROGRAM

Sample Location	Sample Date	Sample Depth (ft bgs)	Concentration (ug/kg)					
			PCE	1,2-DCB	Xylenes	Ethyl-benzene	Toluene	Acetone
TP-1	08/08/90	1	11	--	--	--	--	--
	08/08/90	3	--	--	--	--	--	--
	08/08/90	5	--	--	--	--	--	--
TP-2	07/25/90	1	--	--	--	--	--	--
	07/25/90	3	--	--	--	--	--	--
	07/25/90	5	--	--	--	--	--	--
TP-3	08/08/90	1	--	--	--	--	--	--
	08/08/90	3	--	--	--	--	--	--
	08/08/90	5	5	--	--	--	--	--
TP-4	08/08/90	1	--	27	35	--	--	70
	08/08/90	3	--	--	--	--	--	--
	08/08/90	5	400	900	12,000	7,000	200	--
TP-5	08/08/90	1	--	--	--	--	--	--
	08/08/90	3	--	--	--	--	--	--
	08/08/90	5	--	--	--	--	--	--
TP-6	08/09/90	1	43	--	--	--	--	--
	08/09/90	3	--	--	--	--	--	--
	08/09/90	5	--	--	--	--	--	--
TP-7	08/09/90	1	8	--	--	--	--	--
	08/09/90	3	7	--	--	--	--	--
	08/09/90	5	7	--	--	--	--	--
TP-8	08/08/90	1	96	--	--	--	--	--
	08/08/90	3	6	--	--	--	--	--
	08/08/90	5	830	--	--	--	--	--

TABLE 3

SUMMARY OF ORGANIC COMPOUNDS DETECTED DURING THE SHALLOW SOIL SAMPLING PROGRAM
(concluded)

Sample Location	Sample Date	Sample Depth (ft bgs)	Concentration (ug/kg)					
			PCE	1,2-DCB	Xylenes	Ethyl-benzene	Toluene	Acetone
TP-9	08/08/90	1	--	--	--	--	--	--
	08/08/90	3	--	--	--	--	--	--
	08/08/90	5	31	--	--	--	--	--
TP-10	08/07/90	1	11	--	--	--	--	--
	08/07/90	3	110	--	--	--	--	--
	08/07/90	5	--	--	--	--	--	--
TP-11	07/24/90	1	75	5	--	--	--	--
	07/24/90	3	48	--	--	--	--	--
	07/24/90	5	17	--	--	--	--	--
TP-12	07/24/90	1	19	--	--	--	--	--
	07/24/90	3	28	--	--	--	--	--
	07/24/90	5	11	--	--	--	--	--
TP-13	07/24/90	1	--	--	--	--	--	--
	07/24/90	3	--	--	--	--	--	--
	07/24/90	5	--	--	--	--	--	--
TP-14	07/24/90	1	--	--	--	--	--	--
	07/24/90	3	--	--	--	--	--	--
	07/24/90	5	--	--	--	--	--	--

-- = Below detection limit
PCE = perchloroethene (tetrachloroethene)
1,2-DCB = 1,2-dichlorobenzene

3.3 PHASE IIb -- DEEP SOIL INVESTIGATION

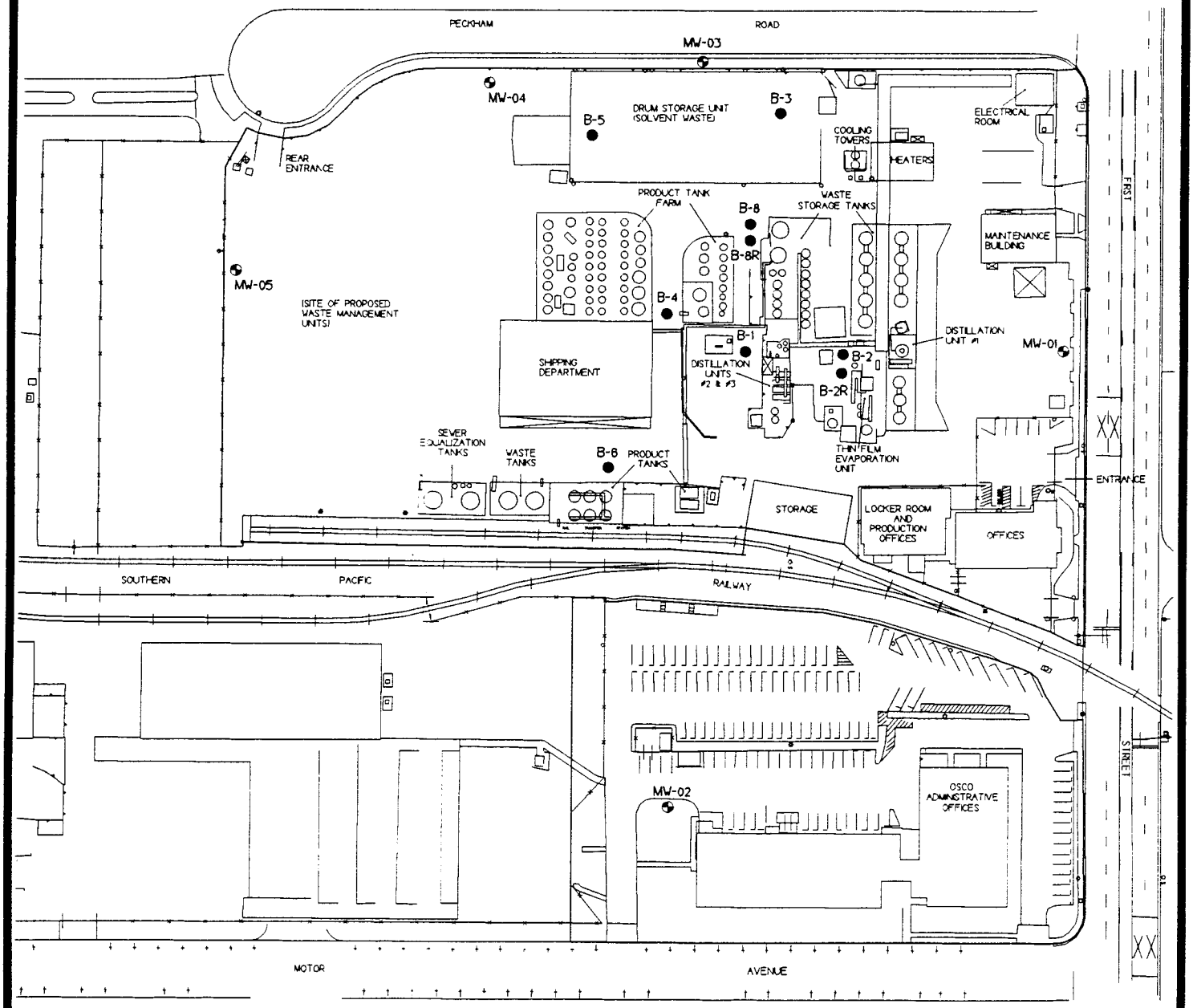
The deep soil investigation consisted of drilling nine borings to depths ranging from 43 to 197 feet bgs, collecting more than 140 soil samples for chemical and physical analyses, and completing each boring into a soil vapor monitoring well containing one to three nested probes. Other program elements included geophysically logging the boreholes and performing an aerial flyover and land-based survey of the site.

The goal of the deep soil boring program was to determine the vertical and horizontal extent of contaminant migration in the vadose zone from likely source areas identified during the preceding shallow soil investigation. In response to agency concerns regarding the detectability of "point sources" of contamination that may follow pinpoint or tortuous pathways, it was decided to complete the borings into soil gas probes that could extract and test soil vapors from various depths and lateral reaches of the vadose zone. It was theorized that this would allow a more comprehensive sampling of vadose zone conditions (particularly horizontally), thereby minimizing the possibility that significant subsurface contamination would go undetected.

The nine borings were drilled at seven locations of known or suspected contamination (see Figure 3). The first two borings were drilled with an auger rig, but a maximum depth of only 57 feet was achieved with this technique. Consequently, the remaining borings were completed using a dual wall, reverse air circulation downhole hammer rig. As the boring was advanced, the field geologist noted lithologic zones where sampling could be achieved successfully (i.e., high sand content). When these zones were encountered, drilling was halted and a sample was obtained by driving a split spoon sampler into the bottom of the boring.

VOCs were detected in soil samples from eight of the nine deep soil borings completed at the site (all but Boring B-3). Detected VOCs included chlorinated organics (e.g., PCE, 1,1,1-TCA, etc.), aromatic hydrocarbons (e.g., toluene, xylenes, etc.), and ketones (e.g., acetone, methyl ethyl ketone (MEK), etc.). PCE was the most commonly detected VOC, being present in six of the nine borings at concentrations ranging up to 470 ug/kg. At Boring B-2, total xylenes were detected at the highest concentration of any of the organic compounds (62,000 ug/kg), which appeared to represent an area of shallow contamination that attenuated quickly with depth. Ketones were detected at concentrations that generally were higher than the chlorinated compounds (up to 6,600 ug/kg at Boring B-4). However, they were encountered at only two locations (Borings B-1 and B-4) and appeared to reflect localized contaminant conditions. Borings B-1 and B-4 exhibited the highest relative contamination, whereas Borings B-3 and B-5 exhibited the lowest. Soil chemistry data from the deep soil drilling program are summarized in Table 4.

One or more soil vapor probes were installed in each of the nine borings for a total of 17 probes. All borings were completed with one probe at the bottom, the primary function of which was to corroborate the results of the soil chemistry analysis at this depth (i.e., to confirm the absence of contamination in borings where "non-detect" soil chemistry values were reported). In seven of the borings, one or two additional probes were installed at stratigraphic horizons known to be contaminated, typically at depths of around 60- to 75-feet bgs. The probes were constructed of 1-inch diameter, 5-foot length stainless steel well screen connected to the surface via a 1-inch diameter PVC riser.



MW-01 GROUNDWATER MONITORING WELL

B-1 DEEP SOIL BORING

40 0 40 80 120

SCALE FEET

SOURCE AIRBORNE SYSTEMS, INC JULY 1991

MEREDITH/BOLI & ASSOCIATES, INC.

OIL & SOLVENT PROCESS COMPANY

DEEP SOIL BORING AND MONITORING WELL LOCATIONS

FIGURE 3

1991-169

1/12/93

TABLE 4

SUMMARY OF ORGANIC COMPOUNDS DETECTED IN THE DEEP SOIL SAMPLING PROGRAM

Boring No.	Total Boring Depth (ft)	Concentration Range of Detected Compounds[a] (ug/kg)								Other Detected Compounds (concentration in ug/kg)
		TCE	PCE	1,1,1-TCA	Toluene	Xylenes	Acetone	MEK	MIBK	
B-1	140	BDL	BDL	10-21	5-22	BDL	23-2,000	17-720	10-36	Methylene chloride (6-7); cis-1,2-Dichloroethene (9)
B-2	43	BDL	40	BDL	BDL	62,000	NA	NA	NA	Ethylbenzene (4,000); 1,2-Dichlorobenzene (700)
B-2R	174	6-8	5-470	6-8	5-300	8-3,200	NA	NA	NA	Ethylbenzene (5-1,100); 1,4-Dichlorobenzene (64-180)
B-3	106	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	
B-4	186	BDL	5-150	8-23	7-39	20-57	13-6,600	18-5,100	41-200	Benzene (6); Ethylbenzene (5-15); 1,1,2-Trichloroethane (6); trans-1,2-Dichloroethene (6)
B-5	166	BDL	6	BDL	6	38	BDL	BDL	BDL	Ethylbenzene (7); Methylene chloride (5-7)
B-6	197	BDL	5-32	BDL	BDL	BDL	BDL	BDL	BDL	
B-8	57	6	BDL	BDL	BDL	BDL	NA	NA	NA	1,1-Dichloroethene (24)
B-8R	122	BDL	7-33	BDL	BDL	BDL	NA	NA	NA	trans-1,2-Dichloroethene (8)

[a] Includes only the detected values for the identified compounds.

BDL = Below detection limit.
NA = Not analyzed; although quantitative analyses were not performed for ketones at these locations, on-site laboratory chromatograms for USEPA Methods 8010/8020 indicated that they were not present.

A recognized expert in the fields of soil gas studies and contaminant transport in the vadose zone was retained to help design, implement, and interpret the results from a soil vapor investigation program. The program was designed and implemented in two phases. The purpose of the first phase was to collect soil vapor from the area immediately surrounding each well screen in order to help interpret soil data that indicated the presence or absence of contamination at these lithologic intervals. This was accomplished by sampling each soil vapor probe after applying a low vacuum pressure to the system.

The purpose of the second phase of the soil vapor study was to assess subsurface air flow dynamics and to evaluate further the relationship between organic contaminant concentrations in the soil and vapor phases in the vadose zone. Soil vapor from one of the probes, designated as the extraction well, was evacuated at high enough flow rates to induce measurable pressure changes at nearby observation probes. These measurements allowed calculations to be made for vadose zone permeability and radii of influence under constant flow conditions. During both phases of the investigation, vapor samples were extracted and analyzed for organic and biogenic gases that included PCE, TCE, 1,1,1-TCA, MEK, acetone, toluene, xylenes, and ethylbenzene.

In most instances, soil vapor and soil sample analytical results exhibited relatively good correlation (see Table 5). However, the soil vapor study results indicate that soil contamination may be more vertically extensive and present at higher concentrations than would be indicated by the soil chemistry results alone. In instances where VOCs were detected in soil, soil vapor concentrations generally were relatively high (i.e., >100 ppmv). Soil samples where VOCs were reported as being below detection limits generally corresponded with relatively low soil vapor readings (i.e., <100 ppmv). Low level VOC vapor concentrations are believed to reflect the presence of organic constituents that have migrated in the gas phase from shallower or more distant zones of contamination, and are not indicative of the presence of near-boring soil contamination.

Based on the deep soil boring investigation results, it was not possible to determine whether or not the OSCO facility had contributed to groundwater contamination. Three of the seven sampling locations of the deep soil boring program (i.e., Borings B-2/B-2R, B-3, and B-5) were considered to be free from contamination at depth, while soil and/or soil vapor contamination was evident at depth at the four remaining boring locations (i.e., Borings B-1, B-4, B-6, and B-8/B-8R). The deepest that contamination was detected (191 feet bgs at Boring B-6) is approximately 90 feet above the present groundwater level.

3.4 PHASE III -- GROUNDWATER INVESTIGATION

The primary purpose of Phase III of the RFI program was to determine site-specific groundwater conditions via the installation and sampling of five groundwater monitoring wells. The groundwater monitoring program involved the following activities:

- Installation of two upgradient groundwater monitoring wells (MW-01 and MW-02) and three downgradient wells (MW-03, MW-04, and MW-05) at the OSCO site (see Figure 3)
- Collection of groundwater samples for various chemical analyses on a monthly basis for three months
- Measurement of groundwater elevations at on-site and selected off-site wells on a monthly basis for three months.

TABLE 5

COMPARISON OF SOIL AND SOIL VAPOR ANALYTICAL RESULTS FOR SELECTED ORGANIC COMPOUNDS

Boring No.	Probe Depth	1,1,1-TCA		PCE		Toluene		MEK	
		Soil[a] (ug/kg)	Soil Vapor (ppmv)	Soil[a] (ug/kg)	Soil Vapor (ppmv)	Soil[a] (ug/kg)	Soil Vapor (ppmv)	Soil[a] (ug/kg)	Soil Vapor (ppmv)
B-1	Shallow	12	1,000	BDL	320	16	140	29	520
	Deep	BDL	47	BDL	17	5	75	720	13,000
B-2	--	BDL	32	BDL	13	BDL	41	BDL	BDL
B-2R	Shallow	6	15	5	10	28	4	NA	BDL
	Deep	BDL	8	BDL	10	BDL	2	NA	BDL
B-3	Shallow	BDL	92	BDL	56	BDL	BDL	NA	BDL
	Deep	BDL	85	BDL	40	BDL	BDL	NA	BDL
B-4[b]	Shallow	23	330	150	1,100	29	130	350	10,000
	Deep	BDL	62	13	220	BDL	8	BDL	BDL
B-5	Shallow	BDL	47	BDL	22	BDL	BDL	NA	BDL
	Deep	BDL	35	BDL	21	BDL	BDL	BDL	BDL
B-6	Shallow	BDL	760	32	300	BDL	BDL	BDL	BDL
	Deep	BDL	630	6	290	BDL	BDL	BDL	BDL
B-8	--	BDL	34	BDL	82	BDL	1	NA	BDL
B-8R	Shallow	BDL	35	BDL	150	BDL	2	NA	BDL
	Middle	BDL	63	33	720	BDL	1	NA	BDL
	Deep	BDL	52	16	280	BDL	BDL	NA	BDL

[a] The highest soil concentration for the screened interval of the probe is reported.
[b] Time tests were conducted at Boring B-4 with samples collected on approximate 15 minute intervals. The reported soil vapor concentration represents the maximum value reported, after VOC concentrations had stabilized.

BDL = Below detection limit
NA = Not analyzed; although quantitative analyses were not performed for MEK at these locations, on-site laboratory chromatograms for USEPA Methods 8010/8020 indicated that ketones were not present.

The groundwater investigation was performed in accordance with an agency-approved workplan. The wells were drilled using mud rotary techniques and were logged visually and geophysically. A dedicated purging pump, sampling pump, and water level monitor were installed in each well to facilitate routine groundwater sampling.

Concurrent with the field investigation, an evaluation of regional and local groundwater conditions was performed to facilitate interpretation of the physical and chemical data obtained from the OSCO site. An approximately 10-square mile local study area (LSA) was established, within which 27 production wells and 14 groundwater monitoring wells were identified. Available groundwater elevation and quality data for these wells were obtained from various regulatory agency offices and compiled in a computer database. The data were evaluated statistically to ascertain groundwater flow and contaminant conditions in the vicinity of the OSCO site.

From the data collected and reviewed during the groundwater investigation, it has been determined that groundwater flow beneath and in the vicinity of the OSCO site is influenced strongly by natural and artificial groundwater recharge occurring at the San Gabriel River channel, Santa Fe Flood Control Basin, and Santa Fe Spreading Grounds to the west. During periods of groundwater recharge, as the result of either precipitation or artificial spreading, a mound is created that displaces the normal westerly groundwater flow direction (i.e., absent the effects of local recharge) to the south-southeast. As the recharge source is removed and the mound dissipates, westerly groundwater flow resumes beneath the site. Groundwater flow is susceptible to rapid shifts in direction, with changes of 90° or more being observed from one month to the next.

Semi-volatile organic, pesticide, and PCB contaminants were not detected in groundwater at the OSCO site. Similarly, metals were not detected at levels of concern. However, twelve VOCs were detected in one or more of the monitoring wells (see Table 6). VOCs detected most frequently and at the highest concentrations were PCE, TCE, 1,1,1-TCA, and 1,1-dichlorethene (1,1-DCE). These and other VOCs were detected at concentrations that were noticeably higher than corresponding values reported for LSA wells. Furthermore, different (i.e., lower) PCE to TCE concentration ratios were observed in the OSCO data set. These differences could be attributable to well construction or sampling differences, or could reflect the presence of a nearby source of contamination.

A conceptual groundwater contaminant transport model was developed to interpret the groundwater sampling data. This model predicts that a nearby source of contamination east to northeast from the site is generating an east-west trending VOC plume across the site during periods of normal westerly groundwater flow. Additionally, low level contamination reflecting background, or regional, conditions appears to be present beneath the site. Based on the available data, one cannot discount the possibility that contamination is originating from the OSCO site and is being masked by higher concentrations from the off-site source(s). However, the correlation of site soil and groundwater contamination data, particularly the observed absence of xylenes and ketones in site groundwater, suggests that this is not occurring. Additional groundwater data collected during a prolonged period of stabilized directional flow are required before potential site contributions to groundwater contamination, if any, can be assessed and the hypothetical model can be validated.

4.0 CONCLUSIONS

OSCO was required, as a condition of its RCRA hazardous waste facility permit, to conduct a phased investigation of potential soil and groundwater contamination at its Azusa, California facility. The RCRA

TABLE 6

SUMMARY OF GROUNDWATER ORGANIC CHEMISTRY DATA

Compound	10-13 August 1992					10-11 September 1992					12-13 October 1992				
	MW-01	MW-02	MW-03	MW-04	MW-05	MW-01	MW-02	MW-03	MW-04	MW-05	MW-01	MW-02	MW-03	MW-04	MW-05
Methods 601/602 (ug/l)															
PCE	150	1,600	660	2,000	2,200	1,100	330	150	670	360	150	4,500	1,100	1,200	390
TCE	150	1,600	480	1,900	690	590	250	250	1,200	210	260	3,100	930	710	290
1,1,1-TCA	92	790	190	900	380	250	220	180	550	310	140	1,100	370	270	320
1,1-DCE	(5)	260	120	340	120	170	62	86	250	62	120	630	210	190	93
1,1-DCA	(5)	(50)	(5)	93	(50)	8	(5)	6.4	(50)	16	(5)	(50)	14	19	28
1,2-DCA	(5)	(50)	(5)	400	(50)	(5)	(5)	(5)	170	22	(5)	(50)	15	51	31
Chlorobenzene	(0.5)	2	(0.5)	3.4	1.5	(0.5)	(0.5)	(0.5)	2.3	0.55	(0.5)	1	0.61	1.5	1.4
1,2-DCB	(5)	(50)	(1)	1.2	(1)	(5)	(5)	(5)	(1)	(5)	(5)	(50)	(1)	(5)	(5)
1,4-DCB	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(5)	(1)	(1)
Chloroform	(5)	(50)	(5)	110	(50)	(8)	(5)	(8)	(50)	(11)	(5)	(50)	12	11	7.1
Toluene	1.4	0.64	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	3	1.2	(0.5)	(0.5)	1	(0.5)	(0.5)	(0.5)
Benzene	(0.5)	4.5	(0.5)	1.1	0.51	(0.5)	(0.5)	(0.5)	0.72	(0.5)	(0.5)	1.2	(0.5)	(0.5)	(0.5)

TABLE 6

SUMMARY OF GROUNDWATER ORGANIC CHEMISTRY DATA
(concluded)

Compound	10-13 August 1992					10-11 September 1992					12-13 October 1992				
	MW-01	MW-02	MW-03	MW-04	MW-05	MW-01	MW-02	MW-03	MW-04	MW-05	MW-01	MW-02	MW-03	MW-04	MW-05
Method 624 (ug/l)															
PCE	320	1,400	410	1,300	1,600	780	160	220	860	210	130	6,000	1,100	1,000	440
TCE	280	1,400	360	1,900	600	510	190	350	1,400	170	240	4,400	1,100	850	350
1,1,1-TCA	150	630	170	770	280	190	130	160	460	200	130	1,200	420	270	390
1,1-DCE	97	310	110	(357.1)	(250)	170	45	120	290	(50)	120	1,200	360	210	120
1,2-DCA	(50)	(250)	(71.4)	410	(250)	(100)	(35.7)	(50)	(200)	(50)	(35.7)	(770)	(166.65)	(166.65)	(66.65)
Method 415.1 (mg/l)															
Total Organic Carbon	5.7	(1)	10.2	(1)	(1)	(1)	(1)	1.4	(1)	(1)	1.8	2.2	1.2	(1)	(1)

Note: Paranthetical values represent the laboratory reported detection limit for non-detected compounds.

Facility Investigation (RFI), initiated in early 1989, was completed in late 1992. During the course of the RFI, it was determined that volatile organic compounds (VOCs) found in many of the solvents handled at the OSCO facility have contaminated localized areas of near surface and deeper soils at the site. The VOC contamination extends to depths as great as 191 feet and probably originated from low volume spills and from fluid retention structures such as sumps and containment areas. Other common environmental contaminants, such as heavy metals, petroleum hydrocarbons, PCBs, and semi-volatile organic compounds, have not been detected at the site at levels of concern.

The geographical relationship of the OSCO facility to the San Gabriel Valley Superfund sites has generated keen interest in whether or not the OSCO facility is contributing to the regional groundwater contamination observed in several local wells. Although sampling of five groundwater monitoring wells installed at the site confirms the presence of VOC contamination, the existing data are inconclusive as to whether or not contamination may be originating from the OSCO facility. Some site soil contaminants and commonly handled solvents (e.g., PCE, 1,1,1-TCA, etc.) were detected in the groundwater whereas others (e.g., xylenes and ketones) were not. Moreover, although the concentrations of contaminants in groundwater beneath the OSCO site appear high relative to other local wells, because the highest concentrations have been detected at an upgradient well (i.e., MW-02), it appears that the contamination is originating from an off-site source.

In summary, no evidence was discovered during the RFI to suggest that the OSCO facility is contributing to the local/regional groundwater contamination. However, evidence that would confirm the opposite hypothesis (i.e., that OSCO is <u>not</u> contributing to the groundwater contamination) also is lacking. Central to the problem are 1) the difficulties in retrieving representative subsurface soil samples, particularly at depth and 2) the dramatic and sudden shifts in groundwater flow patterns beneath the site, which confound attempts to interpret upgradient versus downgradient groundwater chemistry differences. It is believed that additional data collected during future groundwater sampling events will advance the present understanding of site conditions, but it is possible that the source(s) of groundwater contamination beneath and in the vicinity of the OSCO facility may not ever be identified with certainty.

5.0 LIST OF REFERENCES

More detailed information concerning the OSCO facility and RFI program can be found in the following documents:

- Oil & Solvent Process Company (OSCO), *Operation Plan/Part B Permit Application,* 2 volumes, 19 February 1988 (last revised 1 August 1991).
- Western Technologies, Inc. (WTI), *Phase I Work Plan for the OSCO Facility, Azusa, California,* Project No. 219-9J-005, 2 March 1989.
- WTI, *Phase I-1A Soil Gas Investigation, OSCO Facility, Azusa, California,* Project No. 219-9J-005, 19 January 1990.
- WTI, *Phase II Work Plan for the OSCO Facility, Azusa, California,* Project No. 219-9J-005, 2 March 1990 (revised 3 April 1990 and 8 January 1991).
- WTI, *Sediment Sampling Work Plan for the OSCO Facility, Azusa, California,* Project No. 219-9J-005, 3 April 1990 (revised 17 April 1992).

- WTI, *Shallow Soil Sampling Report, OSCO Facility, Azusa, California,* Project No. 751-0K-714, 5 October 1990.

- Meredith/Boli & Associates (M/B&A), *RCRA Facility Investigation (Phase IIb) Deep Soil Sampling Program,* 2 volumes, Project No. MB-1990-211, 18 November 1991.

- M/B&A, *Groundwater Monitoring Plan, OSCO Phase III RCRA Facility Investigation,* Project No. MB-1990-211, 15 October 1991.

- M/B&A, *RCRA Facility Investigation (Phase III) Groundwater Investigation,* 2 volumes, Project No. MB-1991-169, 11 January 1993.

These documents are available for public review at the following agency offices:

US ENVIRONMENTAL PROTECTION AGENCY
Region IX
75 Hawthorne Street
San Francisco, California 94105

Contact: Mr. Tom Kelly

and

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Department of Toxic Substances Control
Region III
1405 North San Fernando Boulevard, Suite 300
Burbank, California 91504

Contact: Mr. Dennis Dickerson

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Chemical Waste Management, Inc.

4227 Technology Drive
Fremont, California 94538-6337
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FEB 4 1993

January 29, 1993

Mr. Jeffrey Zelikson
Director
U.S. Environmental Protection Agency
Region IX
75 Hawthorne Street
San Francisco, CA 94105

Mr. Dennis Dickerson
Regional Administrator
Cal EPA, Department of Toxic Substances Control
Region III
1405 North San Fernando Boulevard
Suite 300
Burbank, CA 91504

Subject: Oil & Solvent Process Company, Azusa, California - CAD008302903
Groundwater Sampling Analytical Results

Gentlemen:

On January 13, 1993, Chemical Waste Management, Inc. (CWM), forwarded the "RCRA Facility Investigation (Phase III) Groundwater Investigation" report (referred herein as the Final RFI report) for the Oil & Solvent Process Company (OSCO). The Final RFI report was prepared by our consultant, Meredith/Boli & Associates and dated January 11, 1993.

During the latter stages of the investigation, CWM requested that the analytical laboratory consultant, Waste Management, Inc.'s Environmental Monitoring Laboratories (EML), review the analytical accuracy of the results of the October 1992 groundwater sampling event at OSCO. The review indicated that the EML report was in error, as described in Section 5.2.3 of the Final RFI report.

On January 5, 1993, CWM received a regenerated client report for the October 1992 groundwater sampling event (Attachment). In reviewing the laboratory report, you will notice that EML has replaced the EML Reporting Limit (EML RL) with a Practical Quantitation Limit (PQL). According to EML, in the past, when samples had to be diluted, a dilution algorithm was used whereby an estimated PQL value that was calculated by multiplying the Method Detection Limit by 10. The resultant PQL was then multiplied by the dilution factor to yield the EML RL. Often this value was quite elevated.

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In January 1993, EML adopted a new procedure for calculating the PQL. The PQL approximation is now calculated by multiplying the MDL by 4. This enables the laboratory to report at a lower limit. The procedure is based on methods presented in John Keenan Taylor's "Quality Assurance of Chemical Measurements", a source frequently referenced by the U.S. EPA.

Since the regenerated report was issued after adoption of the new procedure, the PQL value replaced the EML RL. For volatile organic results (Method 624), the reporting limit generally dropped by 60 percent. As a result, there were three additional analytical detections by Method 624 for the October 1992 groundwater sampling event:

Well	Compound	Method 624 Former Results / EML RL	Method 624 Revised Results / PQL	Method 601 Results
MW-04	1,2-DCA	ND/166.65	79/66.66	51
MW-05	1,1-DCA	ND/66.65	29/26.66	28
MW-05	1,2-DCA	ND/66.65	45/26.66	31

Notes:
- Results and limits in $\mu g/l$
- 1,2-DCA = 1,2-Dichloroethane
- 1,1-DCA = 1,1-Dichloroethane
- ND = Not Detected

Although three additional detections for Method 624 resulted from the change to PQLs, these compounds were detected in the initial analyses by Method 601 for the October 1992 event for the same samples (see above table). The Method 601 results were presented and discussed in the Final RFI report. Since the new Method 624 and the initial Method 601 results are very similar, the discussions and findings presented in the RFI Final report will not be revised.

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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Please call me at (510) 651-2964 if have any questions.

Sincerely,

CHEMICAL WASTE MANAGEMENT, INC.

Marc Yalom, R.G.
Regional Hydrogeologist

MIY/ah

Attachment (1)

cc: Director, Los Angeles Regional Water Quality Control Board (with Attachment)

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WMI Environmental Monitoring Laboratories, Inc.

Client Report Transmittal Memorandum

DATE: January 4, 1993

TO: Marc Yalom

FROM: Donna Bierschenk

SUBJECT: Site 562/O.S.C.O. ENS92-12442

JAN 1993
RECEIVED
Western Region
Environmental
Mgt. Dept.
C.W.M.I.

Please find enclosed the **REGENERATED** Client Report for the completed event at O.S.C.O.

Please take a moment to review the enclosed report to insure that it meets your expectations.

If you have any questions, don't hesitate to call your EML Account Representative at 708/208-3100.

WMI Environmental Monitoring Laboratories, Inc.
2100 Cleanwater Drive
Geneva, Illinois 60134
708/208-3100

A Waste Management Company

Enclosed are the analytical results for samples received from your facility. The results in the Client Report are for a single ENS (Event Notification System) number only. The sampling event at your facility may include multiple ENS numbers. A separate Client Report will be generated for each one.

It is the goal of WMI Environmental Monitoring Laboratories, Inc. to provide analytical data in a timely fashion, formatted in a way that our clients will find most useful.

If you have any questions concerning the form or content of this report, please contact the WMI EML Customer Operations Department:

Main Number (708) 208-3100
FAX Number (708) 208-1175

Note: Two designations may appear in the results column of your Client Report: NA or ND.

The designation NA (for "Not Analyzed") is used to identify analytes which were requested in the monitoring program, but for which no suitable testing methodology exists. NA may also indicate a dry well, broken sample bottle, insufficient sample volume, or other condition which precludes analysis for a sample.

The designation ND (for "Not Detected") is used to indicate that the analyte of interest was not found at or above the concentration listed under the EMLRL (EML Reporting Limit) heading.

Unless otherwise indicated, all analytes meet the requirements of holding time as specified in the method.

Deborah C. Hockman, Ph.D.

Deborah C. Hockman, Ph.D.
President
WMI Environmental Monitoring Laboratories, Inc.

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Data Qualifier Comment Code Definitions

AR: Acid surrogate recoveries did not meet the acceptance criteria of the method. Oxidation degradation due to sample matrix was confirmed.

BB: Broken bottle.

BL: The method blank concentration associated with this analyte did not meet the acceptance criteria of the method.

CX: The concentration of this compound exceeded the calibration used for this analysis. The concentration reported is estimated.

CU: Co-elution with another compound interferes with the quantitation of this compound. The concentration reported is estimated.

DL: The sample was diluted during analysis. Reporting limits have been adjusted where necessary.

DP: This sample was analyzed in duplicate. The relative percent difference between the two results did not meet the acceptance criteria of the method.

DW: Dry well

HS: The headspace in this sample bottle exceeded 6 millimeters.

IS: The internal standard recoveries associated with this analysis did not meet the acceptance criteria of the method.

IV: The bottle did not contain enough sample to perform the analysis.

MP: 3-methylhphenol and 4-methylphenol co-elute under the analytical conditions of the method, and can not be differentiated solely on the basis of their mass spectra. The concentrations reported may be either or both isomers.

MX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was in control. The result reported may therefore be affected by matrix interferences.

NN: N-nitrosodiphenylamine can not be distinguished from diphenylamine using gas chromatography. The concentrations reported may be either or both compounds.

NQ: No standard qualifier code is in use for this qualification. See the associated comment.

NS: There was not enough sample to repeat this analysis.

PL: This result may be a product of contamination from phthalate plasticizers, which are a common lab contaminant.

PX: This sample required preservation in the field to a pH of less than 2. The pH was checked after receipt at the lab, and did not have a pH of less than 2.

PY: This sample required preservation in the field to a pH of 4 to 5. The pH was checked after receipt at the lab, and did not have a pH of 4 to 5.

PZ: This sample required preservation in the field to a pH of 12 or greater. The pH was checked after receipt at the lab, and did not have a pH of 12 or greater.

QX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was out-of-control. The analytical result for this parameter in the unspiked sample is suspect and may not be reported for regulatory compliance purposes.

RA: Acid surrogate recoveries associated with this analysis did not meet the acceptance criteria of the method.

RB: Base/neutral surrogate recoveries associated with this analysis did not meet the acceptance criteria of the method.

SB: The analysis of this sample was performed by an approved subcontract laboratory.

ST: This compound is not stable in acidic water.

SU: The analysis of the surrogate with this sample did not meet the acceptance criteria of the method.

TX: The analysis for this parameter was conducted after the holding time specified in the method.

UN: This compound is not stable under the conditions of the analysis.

*** DATA QUALIFIER REPORT *** 4-JAN-93

Please be aware of the following information associated with the client reports for the ENS number 92-12442.

SAMPLE NO.	METHOD ID	ANALYTE	CODE	DILUTION FACTOR
AF6052-A1	SBGCAAA201	1,2-DICHLOROBENZENE	NQ SB	
SURROGATE RECOVERY OUTSIDE OF LIMITS FOR THIS METHOD DUE				
AF6052-A1	SBGCAAA201	1,2-DICHLOROBENZENE	NQ	
TO SAMPLE MATRIX INTERFERENCE. CAL ENSECO				
AF6052-B1	SBGCFAA101	1,1,1-TRICHLOROETHANE	NQ SB	
CAL ENSECO				
AF6052-G1	SVMS1BNA06	N-NITROSODIPHENYLAMINE	NN	
AF6052-H4	VOMSBAO322	EVERY ANALYTE FOR THIS METHOD	DL	33.33
AF6052-H4	VOMSBAO322	2-CHLOROETHYLVINYL ETHER	ST	
AF6053-A1	SBGCAAA201	1,2-DICHLOROBENZENE	NQ SB	
SURROGATE RECOVERY OUTSIDE OF LIMITS FOR THIS METHOD DUE				
AF6053-A1	SBGCAAA201	1,2-DICHLOROBENZENE	NQ	
TO SAMPLE MATRIX INTERFERENCE. CAL ENSECO				
AF6053-G1	SVMS1BNA06	N-NITROSODIPHENYLAMINE	NN	
AF6053-H3	VOMSBAO322	EVERY ANALYTE FOR THIS METHOD	DL	50
AF6053-H3	VOMSBAO322	2-CHLOROETHYLVINYL ETHER	ST	
AF6054-A1	SBGCAAA201	1,2-DICHLOROBENZENE	NQ SB	
SURROGATE RECOVERY OUTSIDE OF LIMITS FOR THIS METHOD DUE				
AF6054-A1	SBGCAAA201	1,2-DICHLOROBENZENE	NQ	
TO SAMPLE MATRIX INTERFERENCE. CAL ENSECO				
AF6054-G1	SVMS1BNA06	N-NITROSODIPHENYLAMINE	NN	
AF6054-H3	VOMSBAO322	EVERY ANALYTE FOR THIS METHOD	DL	7.14
AF6054-H3	VOMSBAO322	2-CHLOROETHYLVINYL ETHER	ST	
AF6054-I0	VOMSBAO322	2-CHLOROETHYLVINYL ETHER	ST	
AF6055-A1	SBGCAAA201	1,2-DICHLOROBENZENE	NQ SB	

SURROGATE RECOVERY OUTSIDE OF LIMITS FOR THIS METHOD DUE

AF6055-A1	SBGCAAA201	1,2-DICHLOROBENZENE	NQ	
TO SAMPLE MATRIX INTERFERENCE. CAL ENSECO				
AF6055-B1	SBGCFAA101	1,1,1-TRICHLOROETHANE	NQ SB	
CAL ENSECO				
AF6055-G1	SVMS1BNA06	N-NITROSODIPHENYLAMINE	NN	
AF6055-H2	VOMSBAO322	EVERY ANALYTE FOR THIS METHOD	DL	154
AF6055-H2	VOMSBAO322	2-CHLOROETHYLVINYL ETHER	ST	
AF6056-A1	SBGCAAA201	1,2-DICHLOROBENZENE	NQ SB	
SURROGATE RECOVERY OUTSIDE OF LIMITS FOR THIS METHOD DUE				
AF6056-A1	SBGCAAA201	1,2-DICHLOROBENZENE	NQ	
TO SAMPLE MATRIX INTERFERENCE. CAL ENSECO				
AF6056-G1	SVMS1BNA06	N-NITROSODIPHENYLAMINE	NN	
AF6056-H3	VOMSBAO322	EVERY ANALYTE FOR THIS METHOD	DL	33.33
AF6056-H3	VOMSBAO322	2-CHLOROETHYLVINYL ETHER	ST	
AF6057-A1	SBGCAAA201	1,2-DICHLOROBENZENE	NQ SB	
SURROGATE RECOVERY OUTSIDE OF LIMITS FOR THIS METHOD DUE				
AF6057-A1	SBGCAAA201	1,2-DICHLOROBENZENE	NQ	
TO SAMPLE MATRIX INTERFERENCE. CAL ENSECO				
AF6057-B1	SBGCFAA101	1,1,1-TRICHLOROETHANE	NQ SB	
CAL ENSECO				
AF6057-G1	SVMS1BNA06	N-NITROSODIPHENYLAMINE	NN	
AF6057-H4	VOMSBAO322	EVERY ANALYTE FOR THIS METHOD	DL	13.33
AF6057-H4	VOMSBAO322	2-CHLOROETHYLVINYL ETHER	ST	

**** END OF REPORT *****

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

E V E N T S U M M A R Y R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-12442
MP: 562921
Rev / Task: 01 / 01
Sample Type: WELL
Reported: 4-JAN-1993

Analyte	Sample Point: / Sample Number: / Sampled:	562-DUP AF6053 13-OCT-1992		P Q L	562-MW01 AF6054 13-OCT-1992		P Q L	562-MW02 AF6055 12-OCT-1992		P Q L	Units
FIELD DATA:											
DEPTH TO WATER FROM TOP OF CASING		278.93			287.15			281.14			FT
GROUNDWATER ELEV.		241.43			242.05			244.44			FT MSL
PH FIELD		NA			7.40			7.32			PH UNITS
PH FIELD		NA			7.38			7.21			PH UNITS
PH FIELD		NA			7.43			7.36			PH UNITS
PH FIELD		NA			7.48			7.44			PH UNITS
SPECIFIC CONDUCTANCE FIELD		NA			771.			731.			UMHOS/CM
SPECIFIC CONDUCTANCE FIELD		NA			698.			729.			UMHOS/CM
SPECIFIC CONDUCTANCE FIELD		NA			653.			734.			UMHOS/CM
SPECIFIC CONDUCTANCE FIELD		NA			757.			762.			UMHOS/CM
WATER TEMPERATURE IN DEGREES CELSIUS		NA			18.0			20.0			DEGREES C
WELL DEPTH TOTAL		318.00			335.00			328.00			FT
CHEMICAL METHODS & ROBOTICS:											
TOTAL ORGANIC CARBON		ND		1.000	1.8		1.000	2.2		1.000	MG/L
TOTAL ORGANIC CARBON		ND		1.000	1.9		1.000	2.1		1.000	MG/L
INORGANICS:											
ALUMINUM-DISSOLVED		ND		200.000	ND		200.000	ND		200.000	UG/L
ARSENIC-DISSOLVED		ND		10.000	ND		10.000	ND		10.000	UG/L
BARIUM-DISSOLVED		203		200.000	ND		200.000	ND		200.000	UG/L
CADMIUM-DISSOLVED		ND		5.000	ND		5.000	ND		5.000	UG/L
CHROMIUM-DISSOLVED		ND		10.000	ND		10.000	ND		10.000	UG/L
COPPER-DISSOLVED		ND		25.000	ND		25.000	ND		25.000	UG/L
LEAD-DISSOLVED		ND		5.000	ND		5.000	ND		5.000	UG/L
MANGANESE-DISSOLVED		ND		15.000	ND		15.000	55.3		15.000	UG/L
MERCURY-DISSOLVED		ND		0.200	ND		0.200	ND		0.200	UG/L
NICKEL-DISSOLVED		ND		40.000	ND		40.000	ND		40.000	UG/L
ZINC-DISSOLVED		ND		20.000	ND		20.000	ND		20.000	UG/L
SUB-CONTRACT DATA:											
1,1,1-TRICHLOROETHANE		320	s	5.000	140	s	5.000	1100	s	50.000	UG/L
1,1,2,2-TETRACHLOROETHANE		ND	s	5.000	ND	s	5.000	ND	s	50.000	UG/L
1,1,2-TRICHLOROETHANE		ND	s	5.000	ND	s	5.000	ND	s	50.000	UG/L
1,1-DICHLOROETHANE		33	s	5.000	ND	s	5.000	ND	s	50.000	UG/L
1,1-DICHLOROETHENE		160	s	5.000	120	s	5.000	630	s	50.000	UG/L
1,2-DICHLOROBENZENE		ND	s	1.000	ND	s	1.000	ND	s	1.000	UG/L
1,2-DICHLOROBENZENE		ND	s	5.000	ND	s	5.000	ND	s	50.000	UG/L
1,2-DICHLOROETHANE		94	s	5.000	ND	s	5.000	ND	s	50.000	UG/L
1,2-DICHLOROPROPANE		ND	s	5.000	ND	s	5.000	ND	s	50.000	UG/L
1,3-DICHLOROBENZENE		ND	s	1.000	ND	s	1.000	ND	s	1.000	UG/L
1,3-DICHLOROBENZENE		ND	s	5.000	ND	s	5.000	ND	s	50.000	UG/L
1,4-DICHLOROBENZENE		ND	s	1.000	ND	s	1.000	ND	s	1.000	UG/L
1,4-DICHLOROBENZENE		ND	s	5.000	ND	s	5.000	ND	s	50.000	UG/L
2-CHLOROETHYLVINYL ETHER		ND	s	10.000	ND	s	10.000	ND	s	100.000	UG/L
BENZENE		ND	s	1.500	ND	s	0.500	1.2	s	0.500	UG/L
BROMODICHLOROMETHANE		ND	s	5.000	ND	s	5.000	ND	s	50.000	UG/L
BROMOFORM		ND	s	5.000	ND	s	5.000	ND	s	50.000	UG/L

NA = Not Analyzed ND = Not Detected TBK = Trip Blank s = EML Subcontract Data

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

E V E N T S U M M A R Y R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-12442
MP: 562921
Rev / Task: 01 / 01
Sample Type: WELL
Reported: 4-JAN-1993

Analyte	Sample Point: / Sample Number: / Sampled:	562-DUP AF6053 13-OCT-1992		P Q L	562-MW01 AF6054 13-OCT-1992		P Q L	562-MW02 AF6055 12-OCT-1992		P Q L	Units
BROMOMETHANE		ND	s	10.000	ND	s	10.000	ND	s	100.000	UG/L
CARBON TETRACHLORIDE		ND	s	5.000	ND	s	5.000	ND	s	50.000	UG/L
CHLOROBENZENE		2.2	s	0.500	ND	s	0.500	1	s	0.500	UG/L
CHLOROBENZENE		ND	s	5.000	ND	s	5.000	ND	s	50.000	UG/L
CHLOROETHANE		ND	s	10.000	ND	s	10.000	ND	s	100.000	UG/L
CHLOROFORM		21	s	5.000	ND	s	5.000	ND	s	50.000	UG/L
CHLOROMETHANE		ND	s	10.000	ND	s	10.000	ND	s	100.000	UG/L
CIS-1,3-DICHLOROPROPENE		ND	s	6.000	ND	s	6.000	ND	s	60.000	UG/L
DIBROMOCHLOROMETHANE		ND	s	5.000	ND	s	5.000	ND	s	50.000	UG/L
DICHLORODIFLUOROMETHANE		ND	s	10.000	ND	s	10.000	ND	s	100.000	UG/L
ETHYLBENZENE		ND	s	0.500	ND	s	0.500	ND	s	0.500	UG/L
METHYLENE CHLORIDE		ND	s	5.000	ND	s	5.000	ND	s	50.000	UG/L
TETRACHLOROETHENE		620	s	5.000	150	s	5.000	4500	s	50.000	UG/L
TOLUENE		ND	s	0.500	ND	s	0.500	1	s	0.500	UG/L
TRANS-1,2-DICHLOROETHENE		ND	s	5.000	ND	s	5.000	ND	s	50.000	UG/L
TRANS-1,3-DICHLOROPROPENE		ND	s	5.000	ND	s	5.000	ND	s	50.000	UG/L
TRICHLOROETHENE		820	s	5.000	260	s	5.000	3100	s	50.000	UG/L
TRICHLOROFLUOROMETHANE		ND	s	10.000	ND	s	10.000	ND	s	100.000	UG/L
VINYL CHLORIDE		ND	s	10.000	ND	s	10.000	ND	s	100.000	UG/L
SEMI-VOLATILE ORGANICS:											
1,2,4-TRICHLOROBENZENE		ND		10.000	ND		10.000	ND		10.000	UG/L
1,2-DICHLOROBENZENE		ND		10.000	ND		10.000	ND		10.000	UG/L
1,2-DIPHENYLHYDRAZINE		ND		10.000	ND		10.000	ND		10.000	UG/L
1,3-DICHLOROBENZENE		ND		10.000	ND		10.000	ND		10.000	UG/L
1,4-DICHLOROBENZENE		ND		10.000	ND		10.000	ND		10.000	UG/L
2,4,6-TRICHLOROPHENOL		ND		10.000	ND		10.000	ND		10.000	UG/L
2,4-DICHLOROPHENOL		ND		10.000	ND		10.000	ND		10.000	UG/L
2,4-DIMETHYLPHENOL		ND		10.000	ND		10.000	ND		10.000	UG/L
2,4-DINITROPHENOL		ND		50.000	ND		50.000	ND		50.000	UG/L
2,4-DINITROTOLUENE		ND		10.000	ND		10.000	ND		10.000	UG/L
2,6-DINITROTOLUENE		ND		10.000	ND		10.000	ND		10.000	UG/L
2-CHLORONAPHTHALENE		ND		10.000	ND		10.000	ND		10.000	UG/L
2-CHLOROPHENOL		ND		10.000	ND		10.000	ND		10.000	UG/L
2-NITROPHENOL		ND		10.000	ND		10.000	ND		10.000	UG/L
3,3'-DICHLOROBENZIDINE		ND		20.000	ND		20.000	ND		20.000	UG/L
4,4'-DDD		ND		0.100	ND		0.100	ND		0.100	UG/L
4,4'-DDE		ND		0.100	ND		0.100	ND		0.100	UG/L
4,4'-DDT		ND		0.100	ND		0.100	ND		0.100	UG/L
4,6-DINITRO-2-METHYLPHENOL		ND		50.000	ND		50.000	ND		50.000	UG/L
4-BROMOPHENYL-PHENYL ETHER		ND		10.000	ND		10.000	ND		10.000	UG/L
4-CHLORO-3-METHYLPHENOL		ND		10.000	ND		10.000	ND		10.000	UG/L
4-CHLOROPHENYL-PHENYL ETHER		ND		10.000	ND		10.000	ND		10.000	UG/L
4-NITROPHENOL		ND		50.000	ND		50.000	ND		50.000	UG/L
ACENAPHTHENE		ND		10.000	ND		10.000	ND		10.000	UG/L
ACENAPHTHYLENE		ND		10.000	ND		10.000	ND		10.000	UG/L
ALDRIN		ND		0.100	ND		0.100	ND		0.100	UG/L
ALPHA-BHC		ND		0.100	ND		0.100	ND		0.100	UG/L

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WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

E V E N T S U M M A R Y R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-12442
MP: 562921
Rev / Task: 01 / 01
Sample Type: WELL
Reported: 4-JAN-1993

Analyte	Sample Point: / Sample Number: / Sampled:	562-DUP AF6053 13-OCT-1992	P Q L	562-MW01 AF6054 13-OCT-1992	P Q L	562-MW02 AF6055 12-OCT-1992	P Q L	Units
ANTHRACENE		ND	10.000	ND	10.000	ND	10.000	UG/L
AROCLOR-1016		ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1221		ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1232		ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1242		ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1248		ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1254		ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1260		ND	1.000	ND	1.000	ND	1.000	UG/L
BENZIDINE		ND	50.000	ND	50.000	ND	50.000	UG/L
BENZO[A]PYRENE		ND	10.000	ND	10.000	ND	10.000	UG/L
BENZO[B]FLUORANTHENE		ND	10.000	ND	10.000	ND	10.000	UG/L
BENZO[G,H,I]PERYLENE		ND	10.000	ND	10.000	ND	10.000	UG/L
BENZO[K]FLUORANTHENE		ND	10.000	ND	10.000	ND	10.000	UG/L
BENZ[A]ANTHRACENE		ND	10.000	ND	10.000	ND	10.000	UG/L
BETA-BHC		ND	0.100	ND	0.100	ND	0.100	UG/L
BIS(2-CHLOROETHOXY)METHANE		ND	10.000	ND	10.000	ND	10.000	UG/L
BIS(2-CHLOROETHYL)ETHER		ND	10.000	ND	10.000	ND	10.000	UG/L
BIS(2-CHLOROISOPROPYL)ETHER		ND	10.000	ND	10.000	ND	10.000	UG/L
BIS(2-ETHYLHEXYL)PHTHALATE		ND	50.000	ND	50.000	ND	50.000	UG/L
BUTYLBENZYLPHTHALATE		ND	10.000	ND	10.000	ND	10.000	UG/L
CHLORDANE		ND	1.000	ND	1.000	ND	1.000	UG/L
CHRYSENE		ND	10.000	ND	10.000	ND	10.000	UG/L
DELTA-BHC		ND	0.050	ND	0.050	ND	0.050	UG/L
DI-N-BUTYLPHTHALATE		ND	10.000	ND	10.000	ND	10.000	UG/L
DI-N-OCTYLPHTHALATE		ND	10.000	ND	10.000	ND	10.000	UG/L
DIBENZ[A,H]ANTHRACENE		ND	10.000	ND	10.000	ND	10.000	UG/L
DIELDRIN		ND	0.100	ND	0.100	ND	0.100	UG/L
DIETHYLPHTHALATE		ND	10.000	ND	10.000	ND	10.000	UG/L
DIMETHYLPHTHALATE		ND	10.000	ND	10.000	ND	10.000	UG/L
ENDOSULFAN I		ND	0.050	ND	0.050	ND	0.050	UG/L
ENDOSULFAN II		ND	0.100	ND	0.100	ND	0.100	UG/L
ENDOSULFAN SULFATE		ND	0.500	ND	0.500	ND	0.500	UG/L
ENDRIN		ND	0.100	ND	0.100	ND	0.100	UG/L
ENDRIN ALDEHYDE		ND	0.100	ND	0.100	ND	0.100	UG/L
FLUORANTHENE		ND	10.000	ND	10.000	ND	10.000	UG/L
FLUORENE		ND	10.000	ND	10.000	ND	10.000	UG/L
HEPTACHLOR		ND	0.050	ND	0.050	ND	0.050	UG/L
HEPTACHLOR EPOXIDE		ND	0.500	ND	0.500	ND	0.500	UG/L
HEXACHLOROBENZENE		ND	10.000	ND	10.000	ND	10.000	UG/L
HEXACHLOROBUTADIENE		ND	10.000	ND	10.000	ND	10.000	UG/L
HEXACHLOROCYCLOPENTADIENE		ND	100.000	ND	100.000	ND	100.000	UG/L
HEXACHLOROETHANE		ND	10.000	ND	10.000	ND	10.000	UG/L
INDENO[1,2,3-CD]PYRENE		ND	10.000	ND	10.000	ND	10.000	UG/L
ISOPHORONE		ND	10.000	ND	10.000	ND	10.000	UG/L
LINDANE (GAMMA-BHC)		ND	0.100	ND	0.100	ND	0.100	UG/L
N-NITROSODI-N-PROPYLAMINE		ND	10.000	ND	10.000	ND	10.000	UG/L
N-NITROSODIMETHYLAMINE		ND	10.000	ND	10.000	ND	10.000	UG/L
N-NITROSODIPHENYLAMINE		ND	10.000	ND	10.000	ND	10.000	UG/L

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Sample Type: WELL
Reported: 4-JAN-1993

Analyte	Sample Point: / Sample Number: / Sampled:	562-DUP AF6053 13-OCT-1992	P Q L	562-MW01 AF6054 13-OCT-1992	P Q L	562-MW02 AF6055 12-OCT-1992	P Q L	Units
NAPHTHALENE		ND	10.000	ND	10.000	ND	10.000	UG/L
NITROBENZENE		ND	10.000	ND	10.000	ND	10.000	UG/L
PENTACHLOROPHENOL		ND	50.000	ND	50.000	ND	50.000	UG/L
PHENANTHRENE		ND	10.000	ND	10.000	ND	10.000	UG/L
PHENOL		ND	10.000	ND	10.000	ND	10.000	UG/L
PYRENE		ND	10.000	ND	10.000	ND	10.000	UG/L
TOXAPHENE		ND	1.000	ND	1.000	ND	1.000	UG/L
VOLATILE ORGANICS:								
(M and P)-XYLENE		ND	100.000	ND	14.280	ND	308.000	UG/L
1,1,1-TRICHLOROETHANE		450.	100.000	130.	14.280	1200.	308.000	UG/L
1,1,2,2-TETRACHLOROETHANE		ND	250.000	ND	35.700	ND	770.000	UG/L
1,1,2-TRICHLOROETHANE		ND	250.000	ND	35.700	ND	770.000	UG/L
1,1-DICHLOROETHANE		ND	100.000	ND	14.280	ND	308.000	UG/L
1,1-DICHLOROETHENE		400.	100.000	120.	14.280	1200.	308.000	UG/L
1,2-DICHLOROBENZENE		ND	100.000	ND	14.280	ND	308.000	UG/L
1,2-DICHLOROETHANE		170.	100.000	ND	14.280	ND	308.000	UG/L
1,2-DICHLOROPROPANE		ND	100.000	ND	14.280	ND	308.000	UG/L
1,3-DICHLOROBENZENE		ND	100.000	ND	14.280	ND	308.000	UG/L
1,4-DICHLOROBENZENE		ND	100.000	ND	14.280	ND	308.000	UG/L
2-BUTANONE		ND	500.000	ND	71.400	ND	1540.000	UG/L
2-CHLOROETHYLVINYL ETHER		ND	400.000	ND	57.120	ND	1232.000	UG/L
4-METHYL-2-PENTANONE		ND	500.000	ND	71.400	ND	1540.000	UG/L
ACETONE		ND	1700.000	ND	242.760	ND	5236.000	UG/L
BENZENE		ND	20.000	ND	5.000	ND	61.600	UG/L
BROMODICHLOROMETHANE		ND	100.000	ND	14.280	ND	308.000	UG/L
BROMOFORM		ND	100.000	ND	14.280	ND	308.000	UG/L
BROMOMETHANE		ND	100.000	ND	14.280	ND	308.000	UG/L
CARBON TETRACHLORIDE		ND	20.000	ND	5.000	ND	61.600	UG/L
CHLOROBENZENE		ND	100.000	ND	14.280	ND	308.000	UG/L
CHLOROETHANE		ND	200.000	ND	28.560	ND	616.000	UG/L
CHLOROFORM		ND	100.000	ND	14.280	ND	308.000	UG/L
CHLOROMETHANE		ND	200.000	ND	28.560	ND	616.000	UG/L
CIS-1,3-DICHLOROPROPENE		ND	100.000	ND	14.280	ND	308.000	UG/L
DIBROMOCHLOROMETHANE		ND	250.000	ND	35.700	ND	770.000	UG/L
ETHYLBENZENE		ND	100.000	ND	14.280	ND	308.000	UG/L
METHYLENE CHLORIDE		ND	250.000	ND	35.700	ND	770.000	UG/L
O-XYLENE		ND	100.000	ND	14.280	ND	308.000	UG/L
TETRACHLOROETHENE		680.	100.000	130.	14.280	6000.	308.000	UG/L
TOLUENE		ND	100.000	ND	14.280	ND	308.000	UG/L
TRANS-1,2-DICHLOROETHENE		ND	100.000	ND	14.280	ND	308.000	UG/L
TRANS-1,3-DICHLOROPROPENE		ND	100.000	ND	14.280	ND	308.000	UG/L
TRICHLOROETHENE		1600.	100.000	240.	14.280	4400.	308.000	UG/L
TRICHLOROFLUOROMETHANE		ND	100.000	ND	14.280	ND	308.000	UG/L
VINYL CHLORIDE		ND	200.000	ND	28.560	ND	616.000	UG/L

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WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

E V E N T S U M M A R Y R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-12442
MP: 562921
Rev / Task: 01 / 01
Sample Type: WELL
Reported: 4-JAN-1993

Analyte	Sample Point: / Sample Number: / Sampled:	562-MW03 AF6052 12-OCT-1992		P Q L	562-MW04 AF6056 13-OCT-1992		P Q L	562-MW05 AF6057 13-OCT-1992		P Q L	Units
FIELD DATA:											
DEPTH TO WATER FROM TOP OF CASING		277.23			278.93			278.15			FT
GROUNDWATER ELEV.		241.70			241.43			241.42			FT MSL
PH FIELD		7.08			7.13			7.15			PH UNITS
PH FIELD		7.07			7.12			7.13			PH UNITS
PH FIELD		7.07			7.12			7.15			PH UNITS
PH FIELD		7.09			7.13			7.09			PH UNITS
SPECIFIC CONDUCTANCE FIELD		765.			971.			904.			UMHOS/CM
SPECIFIC CONDUCTANCE FIELD		803.			902.			828.			UMHOS/CM
SPECIFIC CONDUCTANCE FIELD		727.			881.			911.			UMHOS/CM
SPECIFIC CONDUCTANCE FIELD		844.			966.			919.			UMHOS/CM
WATER TEMPERATURE IN DEGREES CELSIUS		19.6			17.9			17.9			DEGREES C
WELL DEPTH TOTAL		319.50			318.00			330.00			FT
CHEMICAL METHODS & ROBOTICS:											
TOTAL ORGANIC CARBON		1.3		1.000	ND		1.000	ND		1.000	MG/L
TOTAL ORGANIC CARBON		1.2		1.000	ND		1.000	ND		1.000	MG/L
INORGANICS:											
ALUMINUM-DISSOLVED		ND		200.000	ND		200.000	ND		200.000	UG/L
ARSENIC-DISSOLVED		ND		10.000	ND		10.000	ND		10.000	UG/L
BARIUM-DISSOLVED		212		200.000	203		200.000	ND		200.000	UG/L
CADMIUM-DISSOLVED		ND		5.000	ND		5.000	ND		5.000	UG/L
CHROMIUM-DISSOLVED		ND		10.000	ND		10.000	ND		10.000	UG/L
COPPER-DISSOLVED		ND		25.000	ND		25.000	ND		25.000	UG/L
LEAD-DISSOLVED		ND		5.000	ND		5.000	ND		5.000	UG/L
MANGANESE-DISSOLVED		ND		15.000	ND		15.000	33.7		15.000	UG/L
MERCURY-DISSOLVED		ND		0.200	ND		0.200	ND		0.200	UG/L
NICKEL-DISSOLVED		ND		40.000	ND		40.000	ND		40.000	UG/L
ZINC-DISSOLVED		ND		20.000	ND		20.000	ND		20.000	UG/L
SUB-CONTRACT DATA:											
1,1,1-TRICHLOROETHANE		370	s	5.000	270	s	5.000	320	s	5.000	UG/L
1,1,2,2-TETRACHLOROETHANE		ND	s	5.000	ND	s	5.000	ND	s	5.000	UG/L
1,1,2-TRICHLOROETHANE		ND	s	5.000	ND	s	5.000	ND	s	5.000	UG/L
1,1-DICHLOROETHANE		14	s	5.000	19	s	5.000	28	s	5.000	UG/L
1,1-DICHLOROETHENE		210	s	5.000	190	s	5.000	93	s	5.000	UG/L
1,2-DICHLOROBENZENE		ND	s	1.000	ND	s	1.000	ND	s	1.000	UG/L
1,2-DICHLOROBENZENE		ND	s	5.000	ND	s	5.000	ND	s	5.000	UG/L
1,2-DICHLOROETHANE		15	s	5.000	51	s	5.000	31	s	5.000	UG/L
1,2-DICHLOROPROPANE		ND	s	5.000	ND	s	5.000	ND	s	5.000	UG/L
1,3-DICHLOROBENZENE		ND	s	1.000	ND	s	1.000	ND	s	1.000	UG/L
1,3-DICHLOROBENZENE		ND	s	5.000	ND	s	5.000	ND	s	5.000	UG/L
1,4-DICHLOROBENZENE		ND	s	1.000	ND	s	1.000	ND	s	1.000	UG/L
1,4-DICHLOROBENZENE		ND	s	5.000	ND	s	5.000	ND	s	5.000	UG/L
2-CHLOROETHYLVINYL ETHER		ND	s	10.000	ND	s	10.000	ND	s	10.000	UG/L
BENZENE		ND	s	0.500	ND	s	0.500	ND	s	0.500	UG/L
BROMODICHLOROMETHANE		ND	s	5.000	ND	s	5.000	ND	s	5.000	UG/L
BROMOFORM		ND	s	5.000	ND	s	5.000	ND	s	5.000	UG/L

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WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

E V E N T S U M M A R Y R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-12442
MP: 562921
Rev / Task: 01 / 01
Sample Type: WELL
Reported: 4-JAN-1993

Analyte	Sample Point: / Sample Number: / Sampled:	562-MW03 AF6052 12-OCT-1992		P Q L	562-MW04 AF6056 13-OCT-1992		P Q L	562-MW05 AF6057 13-OCT-1992		P Q L	Units
BROMOMETHANE		ND	s	10.000	ND	s	10.000	ND	s	10.000	UG/L
CARBON TETRACHLORIDE		ND	s	5.000	ND	s	5.000	ND	s	5.000	UG/L
CHLOROBENZENE		.61	s	0.500	1.5	s	0.500	1.4	s	0.500	UG/L
CHLOROBENZENE		ND	s	5.000	ND	s	5.000	5.2	s	5.000	UG/L
CHLOROETHANE		ND	s	10.000	ND	s	10.000	ND	s	10.000	UG/L
CHLOROFORM		12	s	5.000	11	s	5.000	7.1	s	5.000	UG/L
CHLOROMETHANE		ND	s	10.000	ND	s	10.000	ND	s	10.000	UG/L
CIS-1,3-DICHLOROPROPENE		ND	s	6.000	ND	s	6.000	ND	s	6.000	UG/L
DIBROMOCHLOROMETHANE		ND	s	5.000	ND	s	5.000	ND	s	5.000	UG/L
DICHLORODIFLUOROMETHANE		ND	s	10.000	ND	s	10.000	ND	s	10.000	UG/L
ETHYLBENZENE		ND	s	0.500	ND	s	0.500	ND	s	0.500	UG/L
METHYLENE CHLORIDE		ND	s	5.000	ND	s	5.000	ND	s	5.000	UG/L
TETRACHLOROETHENE		1100	s	5.000	1200	s	5.000	390	s	5.000	UG/L
TOLUENE		ND	s	0.500	ND	s	0.500	ND	s	0.500	UG/L
TRANS-1,2-DICHLOROETHENE		ND	s	5.000	ND	s	5.000	ND	s	5.000	UG/L
TRANS-1,3-DICHLOROPROPENE		ND	s	5.000	ND	s	5.000	ND	s	5.000	UG/L
TRICHLOROETHENE		930	s	5.000	710	s	5.000	290	s	5.000	UG/L
TRICHLOROFLUOROMETHANE		ND	s	10.000	ND	s	10.000	ND	s	10.000	UG/L
VINYL CHLORIDE		ND	s	10.000	ND	s	10.000	ND	s	10.000	UG/L
SEMI-VOLATILE ORGANICS:											
1,2,4-TRICHLOROBENZENE		ND		10.000	ND		10.000	ND		10.000	UG/L
1,2-DICHLOROBENZENE		ND		10.000	ND		10.000	ND		10.000	UG/L
1,2-DIPHENYLHYDRAZINE		ND		10.000	ND		10.000	ND		10.000	UG/L
1,3-DICHLOROBENZENE		ND		10.000	ND		10.000	ND		10.000	UG/L
1,4-DICHLOROBENZENE		ND		10.000	ND		10.000	ND		10.000	UG/L
2,4,6-TRICHLOROPHENOL		ND		10.000	ND		10.000	ND		10.000	UG/L
2,4-DICHLOROPHENOL		ND		10.000	ND		10.000	ND		10.000	UG/L
2,4-DIMETHYLPHENOL		ND		10.000	ND		10.000	ND		10.000	UG/L
2,4-DINITROPHENOL		ND		50.000	ND		50.000	ND		50.000	UG/L
2,4-DINITROTOLUENE		ND		10.000	ND		10.000	ND		10.000	UG/L
2,6-DINITROTOLUENE		ND		10.000	ND		10.000	ND		10.000	UG/L
2-CHLORONAPHTHALENE		ND		10.000	ND		10.000	ND		10.000	UG/L
2-CHLOROPHENOL		ND		10.000	ND		10.000	ND		10.000	UG/L
2-NITROPHENOL		ND		10.000	ND		10.000	ND		10.000	UG/L
3,3'-DICHLOROBENZIDINE		ND		20.000	ND		20.000	ND		20.000	UG/L
4,4'-DDD		ND		0.100	ND		0.100	ND		0.100	UG/L
4,4'-DDE		ND		0.100	ND		0.100	ND		0.100	UG/L
4,4'-DDT		ND		0.100	ND		0.100	ND		0.100	UG/L
4,6-DINITRO-2-METHYLPHENOL		ND		50.000	ND		50.000	ND		50.000	UG/L
4-BROMOPHENYL-PHENYL ETHER		ND		10.000	ND		10.000	ND		10.000	UG/L
4-CHLORO-3-METHYLPHENOL		ND		10.000	ND		10.000	ND		10.000	UG/L
4-CHLOROPHENYL-PHENYL ETHER		ND		10.000	ND		10.000	ND		10.000	UG/L
4-NITROPHENOL		ND		50.000	ND		50.000	ND		50.000	UG/L
ACENAPHTHENE		ND		10.000	ND		10.000	ND		10.000	UG/L
ACENAPHTHYLENE		ND		10.000	ND		10.000	ND		10.000	UG/L
ALDRIN		ND		0.100	ND		0.100	ND		0.100	UG/L
ALPHA-BHC		ND		0.100	ND		0.100	ND		0.100	UG/L

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WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

E V E N T S U M M A R Y R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-12442
MP: 562921
Rev / Task: 01 / 01
Sample Type: WELL
Reported: 4-JAN-1993

Analyte	Sample Point: / Sample Number: / Sampled:	562-MW03 AF6052 12-OCT-1992	P Q L	562-MW04 AF6056 13-OCT-1992	P Q L	562-MW05 AF6057 13-OCT-1992	P Q L	Units
ANTHRACENE		ND	10.000	ND	10.000	ND	10.000	UG/L
AROCLOR-1016		ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1221		ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1232		ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1242		ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1248		ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1254		ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1260		ND	1.000	ND	1.000	ND	1.000	UG/L
BENZIDINE		ND	50.000	ND	50.000	ND	50.000	UG/L
BENZO[A]PYRENE		ND	10.000	ND	10.000	ND	10.000	UG/L
BENZO[B]FLUORANTHENE		ND	10.000	ND	10.000	ND	10.000	UG/L
BENZO[G,H,I]PERYLENE		ND	10.000	ND	10.000	ND	10.000	UG/L
BENZO[K]FLUORANTHENE		ND	10.000	ND	10.000	ND	10.000	UG/L
BENZ[A]ANTHRACENE		ND	10.000	ND	10.000	ND	10.000	UG/L
BETA-BHC		ND	0.100	ND	0.100	ND	0.100	UG/L
BIS(2-CHLOROETHOXY)METHANE		ND	10.000	ND	10.000	ND	10.000	UG/L
BIS(2-CHLOROETHYL)ETHER		ND	10.000	ND	10.000	ND	10.000	UG/L
BIS(2-CHLOROISOPROPYL)ETHER		ND	10.000	ND	10.000	ND	10.000	UG/L
BIS(2-ETHYLHEXYL)PHTHALATE		ND	50.000	ND	50.000	ND	50.000	UG/L
BUTYLBENZYLPHTHALATE		ND	10.000	ND	10.000	ND	10.000	UG/L
CHLORDANE		ND	1.000	ND	1.000	ND	1.000	UG/L
CHRYSENE		ND	10.000	ND	10.000	ND	10.000	UG/L
DELTA-BHC		ND	0.050	ND	0.050	ND	0.050	UG/L
DI-N-BUTYLPHTHALATE		ND	10.000	ND	10.000	ND	10.000	UG/L
DI-N-OCTYLPHTHALATE		ND	10.000	ND	10.000	ND	10.000	UG/L
DIBENZ[A,H]ANTHRACENE		ND	10.000	ND	10.000	ND	10.000	UG/L
DIELDRIN		ND	0.100	ND	0.100	ND	0.100	UG/L
DIETHYLPHTHALATE		ND	10.000	ND	10.000	ND	10.000	UG/L
DIMETHYLPHTHALATE		ND	10.000	ND	10.000	ND	10.000	UG/L
ENDOSULFAN I		ND	0.050	ND	0.050	ND	0.050	UG/L
ENDOSULFAN II		ND	0.100	ND	0.100	ND	0.100	UG/L
ENDOSULFAN SULFATE		ND	0.500	ND	0.500	ND	0.500	UG/L
ENDRIN		ND	0.100	ND	0.100	ND	0.100	UG/L
ENDRIN ALDEHYDE		ND	0.100	ND	0.100	ND	0.100	UG/L
FLUORANTHENE		ND	10.000	ND	10.000	ND	10.000	UG/L
FLUORENE		ND	10.000	ND	10.000	ND	10.000	UG/L
HEPTACHLOR		ND	0.050	ND	0.050	ND	0.050	UG/L
HEPTACHLOR EPOXIDE		ND	0.500	ND	0.500	ND	0.500	UG/L
HEXACHLOROBENZENE		ND	10.000	ND	10.000	ND	10.000	UG/L
HEXACHLOROBUTADIENE		ND	10.000	ND	10.000	ND	10.000	UG/L
HEXACHLOROCYCLOPENTADIENE		ND	100.000	ND	100.000	ND	100.000	UG/L
HEXACHLOROETHANE		ND	10.000	ND	10.000	ND	10.000	UG/L
INDENO[1,2,3-CD]PYRENE		ND	10.000	ND	10.000	ND	10.000	UG/L
ISOPHORONE		ND	10.000	ND	10.000	ND	10.000	UG/L
LINDANE (GAMMA-BHC)		ND	0.100	ND	0.100	ND	0.100	UG/L
N-NITROSODI-N-PROPYLAMINE		ND	10.000	ND	10.000	ND	10.000	UG/L
N-NITROSODIMETHYLAMINE		ND	10.000	ND	10.000	ND	10.000	UG/L
N-NITROSODIPHENYLAMINE		ND	10.000	ND	10.000	ND	10.000	UG/L

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Sample Type: WELL
Reported: 4-JAN-1993

Analyte	Sample Point: / Sample Number: / Sampled:	562-MW03 AF6052 12-OCT-1992	P Q L	562-MW04 AF6056 13-OCT-1992	P Q L	562-MW05 AF6057 13-OCT-1992	P Q L	Units
NAPHTHALENE		ND	10.000	ND	10.000	ND	10.000	UG/L
NITROBENZENE		ND	10.000	ND	10.000	ND	10.000	UG/L
PENTACHLOROPHENOL		ND	50.000	ND	50.000	ND	50.000	UG/L
PHENANTHRENE		ND	10.000	ND	10.000	ND	10.000	UG/L
PHENOL		ND	10.000	ND	10.000	ND	10.000	UG/L
PYRENE		ND	10.000	ND	10.000	ND	10.000	UG/L
TOXAPHENE		ND	1.000	ND	1.000	ND	1.000	UG/L
VOLATILE ORGANICS:								
(M and P)-XYLENE		ND	66.660	ND	66.660	ND	26.660	UG/L
1,1,1-TRICHLOROETHANE		420.	66.660	270.	66.660	390.	26.660	UG/L
1,1,2,2-TETRACHLOROETHANE		ND	166.650	ND	166.650	ND	66.650	UG/L
1,1,2-TRICHLOROETHANE		ND	166.650	ND	166.650	ND	66.650	UG/L
1,1-DICHLOROETHANE		ND	66.660	ND	66.660	29.	26.660	UG/L
1,1-DICHLOROETHENE		360.	66.660	210.	66.660	120.	26.660	UG/L
1,2-DICHLOROBENZENE		ND	66.660	ND	66.660	ND	26.660	UG/L
1,2-DICHLOROETHANE		ND	66.660	79.	66.660	45.	26.660	UG/L
1,2-DICHLOROPROPANE		ND	66.660	ND	66.660	ND	26.660	UG/L
1,3-DICHLOROBENZENE		ND	66.660	ND	66.660	ND	26.660	UG/L
1,4-DICHLOROBENZENE		ND	66.660	ND	66.660	ND	26.660	UG/L
2-BUTANONE		ND	333.300	ND	333.300	ND	133.300	UG/L
2-CHLOROETHYLVINYL ETHER		ND	266.640	ND	266.640	ND	106.640	UG/L
4-METHYL-2-PENTANONE		ND	333.300	ND	333.300	ND	133.300	UG/L
ACETONE		ND	1133.220	ND	1133.220	ND	453.220	UG/L
BENZENE		ND	13.332	ND	13.332	ND	5.332	UG/L
BROMODICHLOROMETHANE		ND	66.660	ND	66.660	ND	26.660	UG/L
BROMOFORM		ND	66.660	ND	66.660	ND	26.660	UG/L
BROMOMETHANE		ND	66.660	ND	66.660	ND	26.660	UG/L
CARBON TETRACHLORIDE		ND	13.332	ND	13.332	ND	5.332	UG/L
CHLOROBENZENE		ND	66.660	ND	66.660	ND	26.660	UG/L
CHLOROETHANE		ND	133.320	ND	133.320	ND	53.320	UG/L
CHLOROFORM		ND	66.660	ND	66.660	ND	26.660	UG/L
CHLOROMETHANE		ND	133.320	ND	133.320	ND	53.320	UG/L
CIS-1,3-DICHLOROPROPENE		ND	66.660	ND	66.660	ND	26.660	UG/L
DIBROMOCHLOROMETHANE		ND	166.650	ND	166.650	ND	66.650	UG/L
ETHYLBENZENE		ND	66.660	ND	66.660	ND	26.660	UG/L
METHYLENE CHLORIDE		ND	166.650	ND	166.650	ND	66.650	UG/L
O-XYLENE		ND	66.660	ND	66.660	ND	26.660	UG/L
TETRACHLOROETHENE		1100.	66.660	1000.	66.660	440.	26.660	UG/L
TOLUENE		ND	66.660	ND	66.660	ND	26.660	UG/L
TRANS-1,2-DICHLOROETHENE		ND	66.660	ND	66.660	ND	26.660	UG/L
TRANS-1,3-DICHLOROPROPENE		ND	66.660	ND	66.660	ND	26.660	UG/L
TRICHLOROETHENE		1100.	66.660	850.	66.660	350.	26.660	UG/L
TRICHLOROFLUOROMETHANE		ND	66.660	ND	66.660	ND	26.660	UG/L
VINYL CHLORIDE		ND	133.320	ND	133.320	ND	53.320	UG/L

NA = Not Analyzed ND = Not Detected TBK = Trip Blank s = EML Subcontract Data

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

E V E N T S U M M A R Y R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-12442
MP: 562921
Rev / Task: 01 / 01
Sample Type: WELL
Reported: 4-JAN-1993

Analyte	Sample Point: / Sample Number: / Sampled:	TBK-MW01 / AF6054 / 13-OCT-1992	P Q L					Units
FIELD DATA:								
DEPTH TO WATER FROM TOP OF CASING								FT
GROUNDWATER ELEV.								FT MSL
PH FIELD								PH UNITS
PH FIELD								PH UNITS
PH FIELD								PH UNITS
PH FIELD								PH UNITS
SPECIFIC CONDUCTANCE FIELD								UMHOS/CM
SPECIFIC CONDUCTANCE FIELD								UMHOS/CM
SPECIFIC CONDUCTANCE FIELD								UMHOS/CM
SPECIFIC CONDUCTANCE FIELD								UMHOS/CM
WATER TEMPERATURE IN DEGREES CELSIUS								DEGREES C
WELL DEPTH TOTAL								FT
CHEMICAL METHODS & ROBOTICS:								
TOTAL ORGANIC CARBON								MG/L
TOTAL ORGANIC CARBON								MG/L
INORGANICS:								
ALUMINUM-DISSOLVED								UG/L
ARSENIC-DISSOLVED								UG/L
BARIUM-DISSOLVED								UG/L
CADMIUM-DISSOLVED								UG/L
CHROMIUM-DISSOLVED								UG/L
COPPER-DISSOLVED								UG/L
LEAD-DISSOLVED								UG/L
MANGANESE-DISSOLVED								UG/L
MERCURY-DISSOLVED								UG/L
NICKEL-DISSOLVED								UG/L
ZINC-DISSOLVED								UG/L
SUB-CONTRACT DATA:								
1,1,1-TRICHLOROETHANE								UG/L
1,1,2,2-TETRACHLOROETHANE								UG/L
1,1,2-TRICHLOROETHANE								UG/L
1,1-DICHLOROETHANE								UG/L
1,1-DICHLOROETHENE								UG/L
1,2-DICHLOROBENZENE								UG/L
1,2-DICHLOROBENZENE								UG/L
1,2-DICHLOROETHANE								UG/L
1,2-DICHLOROPROPANE								UG/L
1,3-DICHLOROBENZENE								UG/L
1,3-DICHLOROBENZENE								UG/L
1,4-DICHLOROBENZENE								UG/L
1,4-DICHLOROBENZENE								UG/L
2-CHLOROETHYLVINYL ETHER								UG/L
BENZENE								UG/L
BROMODICHLOROMETHANE								UG/L
BROMOFORM								UG/L

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WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

EVENT SUMMARY REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-12442
MP: 562921
Rev / Task: 01 / 01
Sample Type: WELL
Reported: 4-JAN-1993

Analyte	Sample Point: / Sample Number: / Sampled:	TBK-MW01 / AF6054 / 13-OCT-1992	P Q L					Units
BROMOMETHANE								UG/L
CARBON TETRACHLORIDE								UG/L
CHLOROBENZENE								UG/L
CHLOROBENZENE								UG/L
CHLOROETHANE								UG/L
CHLOROFORM								UG/L
CHLOROMETHANE								UG/L
CIS-1,3-DICHLOROPROPENE								UG/L
DIBROMOCHLOROMETHANE								UG/L
DICHLORODIFLUOROMETHANE								UG/L
ETHYLBENZENE								UG/L
METHYLENE CHLORIDE								UG/L
TETRACHLOROETHENE								UG/L
TOLUENE								UG/L
TRANS-1,2-DICHLOROETHENE								UG/L
TRANS-1,3-DICHLOROPROPENE								UG/L
TRICHLOROETHENE								UG/L
TRICHLOROFLUOROMETHANE								UG/L
VINYL CHLORIDE								UG/L
SEMI-VOLATILE ORGANICS:								
1,2,4-TRICHLOROBENZENE								UG/L
1,2-DICHLOROBENZENE								UG/L
1,2-DIPHENYLHYDRAZINE								UG/L
1,3-DICHLOROBENZENE								UG/L
1,4-DICHLOROBENZENE								UG/L
2,4,6-TRICHLOROPHENOL								UG/L
2,4-DICHLOROPHENOL								UG/L
2,4-DIMETHYLPHENOL								UG/L
2,4-DINITROPHENOL								UG/L
2,4-DINITROTOLUENE								UG/L
2,6-DINITROTOLUENE								UG/L
2-CHLORONAPHTHALENE								UG/L
2-CHLOROPHENOL								UG/L
2-NITROPHENOL								UG/L
3,3'-DICHLOROBENZIDINE								UG/L
4,4'-DDD								UG/L
4,4'-DDE								UG/L
4,4'-DDT								UG/L
4,6-DINITRO-2-METHYLPHENOL								UG/L
4-BROMOPHENYL-PHENYL ETHER								UG/L
4-CHLORO-3-METHYLPHENOL								UG/L
4-CHLOROPHENYL-PHENYL ETHER								UG/L
4-NITROPHENOL								UG/L
ACENAPHTHENE								UG/L
ACENAPHTHYLENE								UG/L
ALDRIN								UG/L
ALPHA-BHC								UG/L

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WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

E V E N T S U M M A R Y R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-12442
MP: 562921
Rev / Task: 01 / 01
Sample Type: WELL
Reported: 4-JAN-1993

Analyte	Sample Point: / Sample Number: / Sampled:	TBK-MW01 / AF6054 / 13-OCT-1992	P Q L					Units
ANTHRACENE								UG/L
AROCLOR-1016								UG/L
AROCLOR-1221								UG/L
AROCLOR-1232								UG/L
AROCLOR-1242								UG/L
AROCLOR-1248								UG/L
AROCLOR-1254								UG/L
AROCLOR-1260								UG/L
BENZIDINE								UG/L
BENZO[A]PYRENE								UG/L
BENZO[B]FLUORANTHENE								UG/L
BENZO[G,H,I]PERYLENE								UG/L
BENZO[K]FLUORANTHENE								UG/L
BENZ[A]ANTHRACENE								UG/L
BETA-BHC								UG/L
BIS(2-CHLOROETHOXY)METHANE								UG/L
BIS(2-CHLOROETHYL)ETHER								UG/L
BIS(2-CHLOROISOPROPYL)ETHER								UG/L
BIS(2-ETHYLHEXYL)PHTHALATE								UG/L
BUTYLBENZYLPHTHALATE								UG/L
CHLORDANE								UG/L
CHRYSENE								UG/L
DELTA-BHC								UG/L
DI-N-BUTYLPHTHALATE								UG/L
DI-N-OCTYLPHTHALATE								UG/L
DIBENZ[A,H]ANTHRACENE								UG/L
DIELDRIN								UG/L
DIETHYLPHTHALATE								UG/L
DIMETHYLPHTHALATE								UG/L
ENDOSULFAN I								UG/L
ENDOSULFAN II								UG/L
ENDOSULFAN SULFATE								UG/L
ENDRIN								UG/L
ENDRIN ALDEHYDE								UG/L
FLUORANTHENE								UG/L
FLUORENE								UG/L
HEPTACHLOR								UG/L
HEPTACHLOR EPOXIDE								UG/L
HEXACHLOROBENZENE								UG/L
HEXACHLOROBUTADIENE								UG/L
HEXACHLOROCYCLOPENTADIENE								UG/L
HEXACHLOROETHANE								UG/L
INDENO[1,2,3-CD]PYRENE								UG/L
ISOPHORONE								UG/L
LINDANE (GAMMA-BHC)								UG/L
N-NITROSODI-N-PROPYLAMINE								UG/L
N-NITROSODIMETHYLAMINE								UG/L
N-NITROSODIPHENYLAMINE								UG/L

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WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

EVENT SUMMARY REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-12442
MP: 562921
Rev / Task: 01 / 01
Sample Type: WELL
Reported: 4-JAN-1993

Analyte	Sample Point: TBK-MW01 Sample Number: AF6054 Sampled: 13-OCT-1992	P Q L					Units
NAPHTHALENE							UG/L
NITROBENZENE							UG/L
PENTACHLOROPHENOL							UG/L
PHENANTHRENE							UG/L
PHENOL							UG/L
PYRENE							UG/L
TOXAPHENE							UG/L
VOLATILE ORGANICS:							
(M and P)-XYLENE	ND	10.000					UG/L
1,1,1-TRICHLOROETHANE	ND	5.000					UG/L
1,1,2,2-TETRACHLOROETHANE	ND	5.000					UG/L
1,1,2-TRICHLOROETHANE	ND	5.000					UG/L
1,1-DICHLOROETHANE	ND	5.000					UG/L
1,1-DICHLOROETHENE	ND	5.000					UG/L
1,2-DICHLOROBENZENE	ND	10.000					UG/L
1,2-DICHLOROETHANE	ND	5.000					UG/L
1,2-DICHLOROPROPANE	ND	5.000					UG/L
1,3-DICHLOROBENZENE	ND	10.000					UG/L
1,4-DICHLOROBENZENE	ND	10.000					UG/L
2-BUTANONE	ND	10.000					UG/L
2-CHLOROETHYLVINYL ETHER	ND	20.000					UG/L
4-METHYL-2-PENTANONE	ND	10.000					UG/L
ACETONE	ND	34.000					UG/L
BENZENE	ND	5.000					UG/L
BROMODICHLOROMETHANE	ND	5.000					UG/L
BROMOFORM	ND	5.000					UG/L
BROMOMETHANE	ND	10.000					UG/L
CARBON TETRACHLORIDE	ND	5.000					UG/L
CHLOROBENZENE	ND	5.000					UG/L
CHLOROETHANE	ND	10.000					UG/L
CHLOROFORM	ND	5.000					UG/L
CHLOROMETHANE	ND	10.000					UG/L
CIS-1,3-DICHLOROPROPENE	ND	5.000					UG/L
DIBROMOCHLOROMETHANE	ND	5.000					UG/L
ETHYLBENZENE	ND	5.000					UG/L
METHYLENE CHLORIDE	ND	5.000					UG/L
O-XYLENE	ND	10.000					UG/L
TETRACHLOROETHENE	ND	5.000					UG/L
TOLUENE	ND	5.000					UG/L
TRANS-1,2-DICHLOROETHENE	ND	10.000					UG/L
TRANS-1,3-DICHLOROPROPENE	ND	5.000					UG/L
TRICHLOROETHENE	ND	5.000					UG/L
TRICHLOROFLUOROMETHANE	ND	10.000					UG/L
VINYL CHLORIDE	ND	10.000					UG/L

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WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AF6053

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	278.93		FT		FDWDTWTC01
GROUNDWATER ELEV.	241.43		FT MSL		FDWGWELWDT
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	NA		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	318.00		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP01
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP01
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	203	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	ND	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	320	5.000	UG/L		SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	33	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	160	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	94	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	10.000	UG/L		SBGCFAA101
BENZENE	ND	1.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	2.2	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	21	5.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201

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Item	Additional Comment Explanations (NQ/DL)
1,2-DICHLOROBENZENE	SURROGATE RECOVERY OUTSIDE OF LIMITS FOR THIS METHOD DUE TO SAMPLE MATRIX INTERFERENCE. CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AF6053

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	620	5.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	820	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01

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WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AF6053

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L	NN	SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M [illegible] P)-XYLENE	ND	100.000	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	450.	100.000	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	250.000	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	250.000	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	100.000	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	400.	100.000	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	100.000	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	170.	100.000	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	100.000	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	100.000	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	100.000	UG/L		VOMSBA0322
2-BUTANONE	ND	500.000	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	400.000	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	500.000	UG/L		VOMSBA0322
ACETONE	ND	1700.000	UG/L		VOMSBA0322
BENZENE	ND	20.000	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	100.000	UG/L		VOMSBA0322
BROMOFORM	ND	100.000	UG/L		VOMSBA0322
BROMOMETHANE	ND	100.000	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	20.000	UG/L		VOMSBA0322
CHLOROBENZENE	ND	100.000	UG/L		VOMSBA0322
CHLOROETHANE	ND	200.000	UG/L		VOMSBA0322
CHLOROFORM	ND	100.000	UG/L		VOMSBA0322
CHLOROMETHANE	ND	200.000	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	100.000	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	250.000	UG/L		VOMSBA0322
ETHYLBENZENE	ND	100.000	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	250.000	UG/L		VOMSBA0322
O-XYLENE	ND	100.000	UG/L		VOMSBA0322
TETRACHLOROETHENE	680.	100.000	UG/L		VOMSBA0322
TOLUENE	ND	100.000	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	100.000	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	100.000	UG/L		VOMSBA0322
TRICHLOROETHENE	1600.	100.000	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
VOMSBA0322	Dilution factor 50 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AF6053

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
TRICHLOROFLUOROMETHANE	ND	100.000	UG/L		VOMSBAO322
VINYL CHLORIDE	ND	200.000	UG/L		VOMSBAO322

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WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AF6054

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	287.15		FT		FDWDTWTC01
GROUNDWATER ELEV.	242.05		FT MSL		FDWGWELWDT
PH FIELD	7.40		PH UNITS		FDPHQUAD01
PH FIELD	7.38		PH UNITS		FDPHQUAD01
PH FIELD	7.43		PH UNITS		FDPHQUAD01
PH FIELD	7.48		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	771.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	698.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	653.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	757.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	18.0		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	335.00		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	1.8	1.000	MG/L		CRTOCDUP01
TOTAL ORGANIC CARBON	1.9	1.000	MG/L		CRTOCDUP01
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	ND	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	ND	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	140	5.000	UG/L		SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	120	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	10.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	ND	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	ND	5.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,2-DICHLOROBENZENE	SURROGATE RECOVERY OUTSIDE OF LIMITS FOR THIS METHOD DUE TO SAMPLE MATRIX INTERFERENCE. CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AF6054

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	150	5.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	260	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AF6054

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L	NN	SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M [illegible] P)-XYLENE	ND	14.280	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	130.	14.280	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	35.700	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	35.700	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	14.280	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	120.	14.280	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	14.280	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	ND	14.280	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	14.280	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	14.280	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	14.280	UG/L		VOMSBA0322
2-BUTANONE	ND	71.400	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	57.120	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	71.400	UG/L		VOMSBA0322
ACETONE	ND	242.760	UG/L		VOMSBA0322
BENZENE	ND	5.000	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	14.280	UG/L		VOMSBA0322
BROMOFORM	ND	14.280	UG/L		VOMSBA0322
BROMOMETHANE	ND	14.280	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	5.000	UG/L		VOMSBA0322
CHLOROBENZENE	ND	14.280	UG/L		VOMSBA0322
CHLOROETHANE	ND	28.560	UG/L		VOMSBA0322
CHLOROFORM	ND	14.280	UG/L		VOMSBA0322
CHLOROMETHANE	ND	28.560	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	14.280	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	35.700	UG/L		VOMSBA0322
ETHYLBENZENE	ND	14.280	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	35.700	UG/L		VOMSBA0322
O-XYLENE	ND	14.280	UG/L		VOMSBA0322
TETRACHLOROETHENE	130.	14.280	UG/L		VOMSBA0322
TOLUENE	ND	14.280	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	14.280	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	14.280	UG/L		VOMSBA0322
TRICHLOROETHENE	240.	14.280	UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOMSBA0322	Dilution factor 7.14 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AF6054

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
TRICHLOROFLUOROMETHANE	ND	14.280	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	28.560	UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW02
Sample Type: WELL
Sample Number: AF6055

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 12-OCT-1992
Received: 14-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	281.14		FT		FDWDTWTC01
GROUNDWATER ELEV.	244.44		FT MSL		FDWGWELWDT
PH FIELD	7.32		PH UNITS		FDPHQUAD01
PH FIELD	7.21		PH UNITS		FDPHQUAD01
PH FIELD	7.36		PH UNITS		FDPHQUAD01
PH FIELD	7.44		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	731.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	729.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	734.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	762.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	20.0		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	328.00		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	2.2	1.000	MG/L		CRTOCDUP01
TOTAL ORGANIC CARBON	2.1	1.000	MG/L		CRTOCDUP01
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	ND	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	55.3	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	1100	50.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	630	50.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	50.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	100.000	UG/L		SBGCFAA101
BENZENE	1.2	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	50.000	UG/L		SBGCFAA101
BROMOFORM	ND	50.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	100.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	50.000	UG/L		SBGCFAA101
CHLOROBENZENE	1	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	100.000	UG/L		SBGCFAA101
CHLOROFORM	ND	50.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	100.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	60.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	50.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	100.000	UG/L		SBGCFAA101

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	CAL ENSECO
1,2-DICHLOROBENZENE	SURROGATE RECOVERY OUTSIDE OF LIMITS FOR THIS METHOD DUE TO SAMPLE MATRIX INTERFERENCE. CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW02
Sample Type: WELL
Sample Number: AF6055

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 12-OCT-1992
Received: 14-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	50.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	4500	50.000	UG/L		SBGCFAA101
TOLUENE	1	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	50.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	50.000	UG/L		SBGCFAA101
TRICHLOROETHENE	3100	50.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	100.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	100.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW02
Sample Type: WELL
Sample Number: AF6055

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 12-OCT-1992
Received: 14-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L	NN	SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M [illegible] P)-XYLENE	ND	308.000	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	1200.	308.000	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	770.000	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	770.000	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	308.000	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	1200.	308.000	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	308.000	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	ND	308.000	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	308.000	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	308.000	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	308.000	UG/L		VOMSBA0322
2-BUTANONE	ND	1540.000	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	1232.000	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	1540.000	UG/L		VOMSBA0322
ACETONE	ND	5236.000	UG/L		VOMSBA0322
BENZENE	ND	61.600	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	308.000	UG/L		VOMSBA0322
BROMOFORM	ND	308.000	UG/L		VOMSBA0322
BROMOMETHANE	ND	308.000	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	61.600	UG/L		VOMSBA0322
CHLOROBENZENE	ND	308.000	UG/L		VOMSBA0322
CHLOROETHANE	ND	616.000	UG/L		VOMSBA0322
CHLOROFORM	ND	308.000	UG/L		VOMSBA0322
CHLOROMETHANE	ND	616.000	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	308.000	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	770.000	UG/L		VOMSBA0322
ETHYLBENZENE	ND	308.000	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	770.000	UG/L		VOMSBA0322
O-XYLENE	ND	308.000	UG/L		VOMSBA0322
TETRACHLOROETHENE	6000.	308.000	UG/L		VOMSBA0322
TOLUENE	ND	308.000	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	308.000	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	308.000	UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOMSBA0322	Dilution factor 154 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW02
Sample Type: WELL
Sample Number: AF6055

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 12-OCT-1992
Received: 14-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
TRICHLOROETHENE	4400.	308.000	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	308.000	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	616.000	UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AF6052

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 12-OCT-1992
Received: 15-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	277.23		FT		FDWDTWTC01
GROUNDWATER ELEV.	241.70		FT MSL		FDWGWELWDT
PH FIELD	7.08		PH UNITS		FDPHQUAD01
PH FIELD	7.07		PH UNITS		FDPHQUAD01
PH FIELD	7.07		PH UNITS		FDPHQUAD01
PH FIELD	7.09		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	765.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	803.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	727.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	844.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	19.6		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	319.50		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	1.3	1.000	MG/L		CRTOCDUP01
TOTAL ORGANIC CARBON	1.2	1.000	MG/L		CRTOCDUP01
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	212	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	ND	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	370	5.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	14	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	210	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	15	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	10.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	.61	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	12	5.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	CAL ENSECO
1,2-DICHLOROBENZENE	SURROGATE RECOVERY OUTSIDE OF LIMITS FOR THIS METHOD DUE TO SAMPLE MATRIX INTERFERENCE. CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AF6052

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 12-OCT-1992
Received: 15-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	1100	5.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	930	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AF6052

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 12-OCT-1992
Received: 15-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L	NN	SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M [illegible] P)-XYLENE	ND	66.660	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	420.	66.660	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	166.650	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	166.650	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	66.660	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	360.	66.660	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	66.660	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	ND	66.660	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	66.660	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	66.660	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	66.660	UG/L		VOMSBA0322
2-BUTANONE	ND	333.300	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	266.640	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	333.300	UG/L		VOMSBA0322
ACETONE	ND	1133.220	UG/L		VOMSBA0322
BENZENE	ND	13.332	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	66.660	UG/L		VOMSBA0322
BROMOFORM	ND	66.660	UG/L		VOMSBA0322
BROMOMETHANE	ND	66.660	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	13.332	UG/L		VOMSBA0322
CHLOROBENZENE	ND	66.660	UG/L		VOMSBA0322
CHLOROETHANE	ND	133.320	UG/L		VOMSBA0322
CHLOROFORM	ND	66.660	UG/L		VOMSBA0322
CHLOROMETHANE	ND	133.320	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	66.660	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	166.650	UG/L		VOMSBA0322
ETHYLBENZENE	ND	66.660	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	166.650	UG/L		VOMSBA0322
O-XYLENE	ND	66.660	UG/L		VOMSBA0322
TETRACHLOROETHENE	1100.	66.660	UG/L		VOMSBA0322
TOLUENE	ND	66.660	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	66.660	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	66.660	UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOMSBA0322	Dilution factor 33.33 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AF6052

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 12-OCT-1992
Received: 15-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
TRICHLOROETHENE	1100.	66.660	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	66.660	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	133.320	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AF6056

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	278.93		FT		FDWDTWTC01
GROUNDWATER ELEV.	241.43		FT MSL		FDWGWELWDT
PH FIELD	7.13		PH UNITS		FDPHQUAD01
PH FIELD	7.12		PH UNITS		FDPHQUAD01
PH FIELD	7.12		PH UNITS		FDPHQUAD01
PH FIELD	7.13		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	971.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	902.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	881.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	966.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	17.9		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	318.00		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP01
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP01
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	203	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	ND	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	270	5.000	UG/L		SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	19	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	190	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	51	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	10.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	1.5	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	11	5.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,2-DICHLOROBENZENE	SURROGATE RECOVERY OUTSIDE OF LIMITS FOR THIS METHOD DUE TO SAMPLE MATRIX INTERFERENCE. CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AF6056

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	1200	5.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	710	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AF6056

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L	NN	SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M [illegible] P)-XYLENE	ND	66.660	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	270.	66.660	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	166.650	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	166.650	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	66.660	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	210.	66.660	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	66.660	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	79.	66.660	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	66.660	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	66.660	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	66.660	UG/L		VOMSBA0322
2-BUTANONE	ND	333.300	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	266.640	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	333.300	UG/L		VOMSBA0322
ACETONE	ND	1133.220	UG/L		VOMSBA0322
BENZENE	ND	13.332	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	66.660	UG/L		VOMSBA0322
BROMOFORM	ND	66.660	UG/L		VOMSBA0322
BROMOMETHANE	ND	66.660	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	13.332	UG/L		VOMSBA0322
CHLOROBENZENE	ND	66.660	UG/L		VOMSBA0322
CHLOROETHANE	ND	133.320	UG/L		VOMSBA0322
CHLOROFORM	ND	66.660	UG/L		VOMSBA0322
CHLOROMETHANE	ND	133.320	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	66.660	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	166.650	UG/L		VOMSBA0322
ETHYLBENZENE	ND	66.660	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	166.650	UG/L		VOMSBA0322
O-XYLENE	ND	66.660	UG/L		VOMSBA0322
TETRACHLOROETHENE	1000.	66.660	UG/L		VOMSBA0322
TOLUENE	ND	66.660	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	66.660	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	66.660	UG/L		VOMSBA0322
TRICHLOROETHENE	850.	66.660	UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOMSBA0322	Dilution factor 33.33 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AF6056

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
TRICHLOROFLUOROMETHANE	ND	66.660	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	133.320	UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AF6057

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	278.15		FT		FDWDTWTC01
GROUNDWATER ELEV.	241.42		FT MSL		FDWGWELWDT
PH FIELD	7.15		PH UNITS		FDPHQUAD01
PH FIELD	7.13		PH UNITS		FDPHQUAD01
PH FIELD	7.15		PH UNITS		FDPHQUAD01
PH FIELD	7.09		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	904.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	828.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	911.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	919.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	17.9		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	330.00		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP01
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP01
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	ND	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	33.7	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	320	5.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	28	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	93	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	31	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	10.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	1.4	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	5.2	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	7.1	5.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	CAL ENSECO
1,2-DICHLOROBENZENE	SURROGATE RECOVERY OUTSIDE OF LIMITS FOR THIS METHOD DUE TO SAMPLE MATRIX INTERFERENCE. CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AF6057

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	390	5.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	290	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AF6057

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L	NN	SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M [illegible] P)-XYLENE	ND	26.660	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	390.	26.660	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	66.650	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	66.650	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	29.	26.660	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	120.	26.660	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	26.660	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	45.	26.660	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	26.660	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	26.660	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	26.660	UG/L		VOMSBA0322
2-BUTANONE	ND	133.300	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	106.640	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	133.300	UG/L		VOMSBA0322
ACETONE	ND	453.220	UG/L		VOMSBA0322
BENZENE	ND	5.332	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	26.660	UG/L		VOMSBA0322
BROMOFORM	ND	26.660	UG/L		VOMSBA0322
BROMOMETHANE	ND	26.660	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	5.332	UG/L		VOMSBA0322
CHLOROBENZENE	ND	26.660	UG/L		VOMSBA0322
CHLOROETHANE	ND	53.320	UG/L		VOMSBA0322
CHLOROFORM	ND	26.660	UG/L		VOMSBA0322
CHLOROMETHANE	ND	53.320	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	26.660	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	66.650	UG/L		VOMSBA0322
ETHYLBENZENE	ND	26.660	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	66.650	UG/L		VOMSBA0322
O-XYLENE	ND	26.660	UG/L		VOMSBA0322
TETRACHLOROETHENE	440.	26.660	UG/L		VOMSBA0322
TOLUENE	ND	26.660	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	26.660	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	26.660	UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOMSBA0322	Dilution factor 13.33 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AF6057

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
TRICHLOROETHENE	350.	26.660	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	26.660	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	53.320	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: TBK-MW01
Sample Type: WELL
Sample Number: AF6054

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 14-OCT-1992
Reported: 4-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
VOLATILE ORGANICS:					
(M [illegible] P)-XYLENE	ND	10.000	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	ND	5.000	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	5.000	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBA0322
2-BUTANONE	ND	10.000	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	20.000	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	10.000	UG/L		VOMSBA0322
ACETONE	ND	34.000	UG/L		VOMSBA0322
BENZENE	ND	5.000	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	5.000	UG/L		VOMSBA0322
BROMOFORM	ND	5.000	UG/L		VOMSBA0322
BROMOMETHANE	ND	10.000	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	5.000	UG/L		VOMSBA0322
CHLOROBENZENE	ND	5.000	UG/L		VOMSBA0322
CHLOROETHANE	ND	10.000	UG/L		VOMSBA0322
CHLOROFORM	ND	5.000	UG/L		VOMSBA0322
CHLOROMETHANE	ND	10.000	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		VOMSBA0322
ETHYLBENZENE	ND	5.000	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	5.000	UG/L		VOMSBA0322
O-XYLENE	ND	10.000	UG/L		VOMSBA0322
TETRACHLOROETHENE	ND	5.000	UG/L		VOMSBA0322
TOLUENE	ND	5.000	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	10.000	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		VOMSBA0322
TRICHLOROETHENE	ND	5.000	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	10.000	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

RECORDS SEPARATOR PAGE

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CS-470.20

WMI Environmental Monitoring Laboratories, Inc.

Analytical Report Transmittal Memorandum

FEB 1993
RECEIVED
Western Region
Environmental
Mgt. Dept.
C.W.M.I.

Date: February 3, 1993

To: Client(s) - see below

From: Dave Lundquist

Subject: O.S.C.O. 93-10060

Please find enclosed the current Client Report, Field Information Forms, and Field Chain-of-Custody Records for the recently completed event at O.S.C.O..

The data has been thoroughly reviewed and compared to historical data. We have tried to provide a report that is complete and of known and documented quality. Please take a moment to review the enclosed report to insure it meets your expectations.

If you have any questions, don't hesitate to call Donna Bierschenk at (708)208-3100.

Report Distribution:

Name	Report Type
Marc Yalom*	ALL +Diskette

* *Program Manager*

WMI Environmental Monitoring Laboratories, Inc.
2100 Cleanwater Drive
Geneva, Illinois 60134
708/208-3100

A Waste Management Company

Enclosed are the analytical results for samples received from your facility. The results in the Client Report are for a single ENS (Event Notification System) number only. The sampling event at your facility may include multiple ENS numbers. A separate Client Report will be generated for each one.

It is the goal of WMI Environmental Monitoring Laboratories, Inc. to provide analytical data in a timely fashion, formatted in a way that our clients will find most useful.

If you have any questions concerning the form or content of this report, please contact the WMI EML Customer Operations Department:

Main Number (708) 208-3100
FAX Number (708) 208-1175

Note: Two designations may appear in the results column of your Client Report: NA or ND.

The designation NA (for "Not Analyzed") is used to identify analytes which were requested in the monitoring program, but for which no suitable testing methodology exists. NA may also indicate a dry well, broken sample bottle, insufficient sample volume, or other condition which precludes analysis for a sample.

The designation ND (for "Not Detected") is used to indicate that the analyte of interest was not found at or above the concentration listed under the EMLRL (EML Reporting Limit) heading.

Unless otherwise indicated, all analytes meet the requirements of holding time as specified in the method.

Deborah C. Hockman, Ph.D.

Deborah C. Hockman, Ph.D.
President
WMI Environmental Monitoring Laboratories, Inc.

Printed on recycled paper

Data Qualifier Comment Code Definitions

AR: Acid surrogate recoveries did not meet the acceptance criteria of the method. Oxidation degradation due to sample matrix was confirmed.

BB: Broken bottle.

BL: The method blank concentration associated with this analyte did not meet the acceptance criteria of the method.

CX: The concentration of this compound exceeded the calibration used for this analysis. The concentration reported is estimated.

CU: Co-elution with another compound interferes with the quantitation of this compound. The concentration reported is estimated.

DL: The sample was diluted during analysis. Reporting limits have been adjusted where necessary.

DP: This sample was analyzed in duplicate. The relative percent difference between the two results did not meet the acceptance criteria of the method.

DW: Dry well

HS: The headspace in this sample bottle exceeded 6 millimeters.

IS: The internal standard recoveries associated with this analysis did not meet the acceptance criteria of the method.

IV: The bottle did not contain enough sample to perform the analysis.

MP: 3-methylhphenol and 4-methylphenol co-elute under the analytical conditions of the method, and can not be differentiated solely on the basis of their mass spectra. The concentrations reported may be either or both isomers.

MX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was in control. The result reported may therefore be affected by matrix interferences.

NN: N-nitrosodiphenylamine can not be distinguished from diphenylamine using gas chromatography. The concentrations reported may be either or both compounds.

NQ: No standard qualifier code is in use for this qualification. See the associated comment.

NS: There was not enough sample to repeat this analysis.

PL: This result may be a product of contamination from phthalate plasticizers, which are a common lab contaminant.

PX: This sample required preservation in the field to a pH of less than 2. The pH was checked after receipt at the lab, and did not have a pH of less than 2.

PY: This sample required preservation in the field to a pH of 4 to 5. The pH was checked after receipt at the lab, and did not have a pH of 4 to 5.

PZ: This sample required preservation in the field to a pH of 12 or greater. The pH was checked after receipt at the lab, and did not have a pH of 12 or greater.

QX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was out-of-control. The analytical result for this parameter in the unspiked sample is suspect and may not be reported for regulatory compliance purposes.

RA: Acid surrogate recoveries associated with this analysis did not meet the acceptance criteria of the method.

RB: Base/neutral surrogate recoveries associated with this analysis did not meet the acceptance criteria of the method.

SB: The analysis of this sample was performed by an approved subcontract laboratory.

ST: This compound is not stable in acidic water.

SU: The analysis of the surrogate with this sample did not meet the acceptance criteria of the method.

TX: The analysis for this parameter was conducted after the holding time specified in the method.

UN: This compound is not stable under the conditions of the analysis.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AG2741

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 13-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	269.68		FT		FDWDTWTC01
GROUNDWATER ELEV.	249.25		FT MSL		FDWGWELWDT
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	7.09		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	702.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	18.2		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	319.50		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	NO SAMPLE		MG/L		CRTOCDUP02
TOTAL ORGANIC CARBON	NO SAMPLE		MG/L		CRTOCDUP02
INORGANICS:					
ALUMINUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISAL
ARSENIC-DISSOLVED	NO SAMPLE		UG/L		INGFAADIAS
BARIUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISBA
CADMIUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISCD
CHROMIUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISCR
COPPER-DISSOLVED	NO SAMPLE		UG/L		INICPDISCU
LEAD-DISSOLVED	NO SAMPLE		UG/L		INGFAADIPB
MANGANESE-DISSOLVED	NO SAMPLE		UG/L		INICPDISMN
MERCURY-DISSOLVED	NO SAMPLE		UG/L		INCVAADIHG
NICKEL-DISSOLVED	NO SAMPLE		UG/L		INICPDISNI
ZINC-DISSOLVED	NO SAMPLE		UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	84	5.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	76	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	10.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	ND	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	ND	5.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	ALL ANALYTES FOR THIS SAMPLE, METHOD 601, RAISED DUE TO HIGH ANALYTE LEVELS. CAL ENSECO
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AG2741

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 13-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	380	5.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	220	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	NO SAMPLE		UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DINITROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	NO SAMPLE		UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	NO SAMPLE		UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	NO SAMPLE		UG/L		SVMS1BNA06
2-CHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2-NITROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	NO SAMPLE		UG/L		SVMS1BNA06
4,4'-DDD	NO SAMPLE		UG/L		SVGC1PTP01
4,4'-DDE	NO SAMPLE		UG/L		SVGC1PTP01
4,4'-DDT	NO SAMPLE		UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	NO SAMPLE		UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	NO SAMPLE		UG/L		SVMS1BNA06
4-NITROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
ACENAPHTHENE	NO SAMPLE		UG/L		SVMS1BNA06
ACENAPHTHYLENE	NO SAMPLE		UG/L		SVMS1BNA06
ALDRIN	NO SAMPLE		UG/L		SVGC1PTP01
ALPHA-BHC	NO SAMPLE		UG/L		SVGC1PTP01
ANTHRACENE	NO SAMPLE		UG/L		SVMS1BNA06
AROCLOR-1016	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1221	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1232	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1242	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1248	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1254	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1260	NO SAMPLE		UG/L		SVGC1PTP01
BENZIDINE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[A]PYRENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	NO SAMPLE		UG/L		SVMS1BNA06
BETA-BHC	NO SAMPLE		UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	NO SAMPLE		UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	NO SAMPLE		UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	NO SAMPLE		UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
CHLORDANE	NO SAMPLE		UG/L		SVGC1PTP01
CHRYSENE	NO SAMPLE		UG/L		SVMS1BNA06
DELTA-BHC	NO SAMPLE		UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	NO SAMPLE		UG/L		SVMS1BNA06
DIELDRIN	NO SAMPLE		UG/L		SVGC1PTP01
DIETHYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AG2741

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 13-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
ENDOSULFAN I	NO SAMPLE		UG/L		SVGC1PTP01
ENDOSULFAN II	NO SAMPLE		UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	NO SAMPLE		UG/L		SVGC1PTP01
ENDRIN	NO SAMPLE		UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	NO SAMPLE		UG/L		SVGC1PTP01
FLUORANTHENE	NO SAMPLE		UG/L		SVMS1BNA06
FLUORENE	NO SAMPLE		UG/L		SVMS1BNA06
HEPTACHLOR	NO SAMPLE		UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	NO SAMPLE		UG/L		SVGC1PTP01
HEXACHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	NO SAMPLE		UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	NO SAMPLE		UG/L		SVMS1BNA06
HEXACHLOROETHANE	NO SAMPLE		UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	NO SAMPLE		UG/L		SVMS1BNA06
ISOPHORONE	NO SAMPLE		UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	NO SAMPLE		UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	NO SAMPLE		UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	NO SAMPLE		UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	NO SAMPLE		UG/L		SVMS1BNA06
NAPHTHALENE	NO SAMPLE		UG/L		SVMS1BNA06
NITROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
PENTACHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
PHENANTHRENE	NO SAMPLE		UG/L		SVMS1BNA06
PHENOL	NO SAMPLE		UG/L		SVMS1BNA06
PYRENE	NO SAMPLE		UG/L		SVMS1BNA06
TOXAPHENE	NO SAMPLE		UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	50.000	UG/L		VOMSBAO322
1,1,1-TRICHLOROETHANE	70.	50.000	UG/L		VOMSBAO322
1,1,2,2-TETRACHLOROETHANE	ND	50.000	UG/L		VOMSBAO322
1,1,2-TRICHLOROETHANE	ND	50.000	UG/L		VOMSBAO322
1,1-DICHLOROETHANE	ND	50.000	UG/L		VOMSBAO322
1,1-DICHLOROETHENE	54.	50.000	UG/L		VOMSBAO322
1,2-DICHLOROBENZENE	ND	50.000	UG/L		VOMSBAO322
1,2-DICHLOROETHANE	ND	50.000	UG/L		VOMSBAO322
1,2-DICHLOROPROPANE	ND	50.000	UG/L		VOMSBAO322
1,3-DICHLOROBENZENE	ND	50.000	UG/L		VOMSBAO322
1,4-DICHLOROBENZENE	ND	50.000	UG/L		VOMSBAO322
2-BUTANONE	ND	100.000	UG/L		VOMSBAO322
2-CHLOROETHYLVINYL ETHER	ND	200.000	UG/L	ST	VOMSBAO322
4-METHYL-2-PENTANONE	ND	100.000	UG/L		VOMSBAO322
ACETONE	ND	340.000	UG/L		VOMSBAO322
BENZENE	ND	10.000	UG/L		VOMSBAO322
BROMODICHLOROMETHANE	ND	50.000	UG/L		VOMSBAO322
BROMOFORM	ND	50.000	UG/L		VOMSBAO322
BROMOMETHANE	ND	50.000	UG/L		VOMSBAO322
CARBON TETRACHLORIDE	ND	10.000	UG/L		VOMSBAO322
CHLOROBENZENE	ND	50.000	UG/L		VOMSBAO322
CHLOROETHANE	ND	100.000	UG/L		VOMSBAO322
CHLOROFORM	ND	50.000	UG/L		VOMSBAO322
CHLOROMETHANE	ND	100.000	UG/L		VOMSBAO322
CIS-1,3-DICHLOROPROPENE	ND	50.000	UG/L		VOMSBAO322
DIBROMOCHLOROMETHANE	ND	50.000	UG/L		VOMSBAO322
ETHYLBENZENE	ND	50.000	UG/L		VOMSBAO322
METHYLENE CHLORIDE	ND	50.000	UG/L		VOMSBAO322
O-XYLENE	ND	50.000	UG/L		VOMSBAO322
TETRACHLOROETHENE	300.	50.000	UG/L		VOMSBAO322
TOLUENE	ND	50.000	UG/L		VOMSBAO322
TRANS-1,2-DICHLOROETHENE	ND	50.000	UG/L		VOMSBAO322
TRANS-1,3-DICHLOROPROPENE	ND	50.000	UG/L		VOMSBAO322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOMSBAO322	Dilution factor 10 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AG2741

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 13-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
TRICHLOROETHENE	210.	50.000	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	50.000	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	100.000	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AG2742

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 11-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	280.21		FT		FDWDTWTC01
GROUNDWATER ELEV.	248.99		FT MSL		FDWGWELWDT
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	6.95		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	611.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	17.3		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	335.00		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	NO SAMPLE		MG/L		CRTOCDUP02
TOTAL ORGANIC CARBON	NO SAMPLE		MG/L		CRTOCDUP02
INORGANICS:					
ALUMINUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISAL
ARSENIC-DISSOLVED	NO SAMPLE		UG/L		INGFAADIAS
BARIUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISBA
CADMIUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISCD
CHROMIUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISCR
COPPER-DISSOLVED	NO SAMPLE		UG/L		INICPDISCU
LEAD-DISSOLVED	NO SAMPLE		UG/L		INGFAADIPB
MANGANESE-DISSOLVED	NO SAMPLE		UG/L		INICPDISMN
MERCURY-DISSOLVED	NO SAMPLE		UG/L		INCVAADIHG
NICKEL-DISSOLVED	NO SAMPLE		UG/L		INICPDISNI
ZINC-DISSOLVED	NO SAMPLE		UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	43	5.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	43	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	10.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	ND	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	ND	5.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	ALL ANALYTES FOR THIS SAMPLE, METHOD 601, RAISED DUE TO HIGH ANALYTE LEVELS. CAL ENSECO
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AG2742

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 11-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	120	5.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	150	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	NO SAMPLE		UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DINITROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	NO SAMPLE		UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	NO SAMPLE		UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	NO SAMPLE		UG/L		SVMS1BNA06
2-CHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2-NITROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	NO SAMPLE		UG/L		SVMS1BNA06
4,4'-DDD	NO SAMPLE		UG/L		SVGC1PTP01
4,4'-DDE	NO SAMPLE		UG/L		SVGC1PTP01
4,4'-DDT	NO SAMPLE		UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	NO SAMPLE		UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	NO SAMPLE		UG/L		SVMS1BNA06
4-NITROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
ACENAPHTHENE	NO SAMPLE		UG/L		SVMS1BNA06
ACENAPHTHYLENE	NO SAMPLE		UG/L		SVMS1BNA06
ALDRIN	NO SAMPLE		UG/L		SVGC1PTP01
ALPHA-BHC	NO SAMPLE		UG/L		SVGC1PTP01
ANTHRACENE	NO SAMPLE		UG/L		SVMS1BNA06
AROCLOR-1016	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1221	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1232	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1242	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1248	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1254	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1260	NO SAMPLE		UG/L		SVGC1PTP01
BENZIDINE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[A]PYRENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	NO SAMPLE		UG/L		SVMS1BNA06
BETA-BHC	NO SAMPLE		UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	NO SAMPLE		UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	NO SAMPLE		UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	NO SAMPLE		UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
CHLORDANE	NO SAMPLE		UG/L		SVGC1PTP01
CHRYSENE	NO SAMPLE		UG/L		SVMS1BNA06
DELTA-BHC	NO SAMPLE		UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	NO SAMPLE		UG/L		SVMS1BNA06
DIELDRIN	NO SAMPLE		UG/L		SVGC1PTP01
DIETHYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AG2742

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 11-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
ENDOSULFAN I	NO SAMPLE		UG/L		SVGC1PTP01
ENDOSULFAN II	NO SAMPLE		UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	NO SAMPLE		UG/L		SVGC1PTP01
ENDRIN	NO SAMPLE		UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	NO SAMPLE		UG/L		SVGC1PTP01
FLUORANTHENE	NO SAMPLE		UG/L		SVMS1BNA06
FLUORENE	NO SAMPLE		UG/L		SVMS1BNA06
HEPTACHLOR	NO SAMPLE		UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	NO SAMPLE		UG/L		SVGC1PTP01
HEXACHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	NO SAMPLE		UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	NO SAMPLE		UG/L		SVMS1BNA06
HEXACHLOROETHANE	NO SAMPLE		UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	NO SAMPLE		UG/L		SVMS1BNA06
ISOPHORONE	NO SAMPLE		UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	NO SAMPLE		UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	NO SAMPLE		UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	NO SAMPLE		UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	NO SAMPLE		UG/L		SVMS1BNA06
NAPHTHALENE	NO SAMPLE		UG/L		SVMS1BNA06
NITROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
PENTACHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
PHENANTHRENE	NO SAMPLE		UG/L		SVMS1BNA06
PHENOL	NO SAMPLE		UG/L		SVMS1BNA06
PYRENE	NO SAMPLE		UG/L		SVMS1BNA06
TOXAPHENE	NO SAMPLE		UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	35.700	UG/L		VOMSBAO322
1,1,1-TRICHLOROETHANE	ND	35.700	UG/L		VOMSBAO322
1,1,2,2-TETRACHLOROETHANE	ND	35.700	UG/L		VOMSBAO322
1,1,2-TRICHLOROETHANE	ND	35.700	UG/L		VOMSBAO322
1,1-DICHLOROETHANE	ND	35.700	UG/L		VOMSBAO322
1,1-DICHLOROETHENE	61.	35.700	UG/L		VOMSBAO322
1,2-DICHLOROBENZENE	ND	35.700	UG/L		VOMSBAO322
1,2-DICHLOROETHANE	ND	35.700	UG/L		VOMSBAO322
1,2-DICHLOROPROPANE	ND	35.700	UG/L		VOMSBAO322
1,3-DICHLOROBENZENE	ND	35.700	UG/L		VOMSBAO322
1,4-DICHLOROBENZENE	ND	35.700	UG/L		VOMSBAO322
2-BUTANONE	ND	71.400	UG/L		VOMSBAO322
2-CHLOROETHYLVINYL ETHER	ND	142.800	UG/L	ST	VOMSBAO322
4-METHYL-2-PENTANONE	ND	71.400	UG/L		VOMSBAO322
ACETONE	ND	242.760	UG/L		VOMSBAO322
BENZENE	ND	7.140	UG/L		VOMSBAO322
BROMODICHLOROMETHANE	ND	35.700	UG/L		VOMSBAO322
BROMOFORM	ND	35.700	UG/L		VOMSBAO322
BROMOMETHANE	ND	35.700	UG/L		VOMSBAO322
CARBON TETRACHLORIDE	ND	7.140	UG/L		VOMSBAO322
CHLOROBENZENE	ND	35.700	UG/L		VOMSBAO322
CHLOROETHANE	ND	71.400	UG/L		VOMSBAO322
CHLOROFORM	ND	35.700	UG/L		VOMSBAO322
CHLOROMETHANE	ND	71.400	UG/L		VOMSBAO322
CIS-1,3-DICHLOROPROPENE	ND	35.700	UG/L		VOMSBAO322
DIBROMOCHLOROMETHANE	ND	35.700	UG/L		VOMSBAO322
ETHYLBENZENE	ND	35.700	UG/L		VOMSBAO322
METHYLENE CHLORIDE	ND	35.700	UG/L		VOMSBAO322
O-XYLENE	ND	35.700	UG/L		VOMSBAO322
TETRACHLOROETHENE	140.	35.700	UG/L		VOMSBAO322
TOLUENE	ND	35.700	UG/L		VOMSBAO322
TRANS-1,2-DICHLOROETHENE	ND	35.700	UG/L		VOMSBAO322
TRANS-1,3-DICHLOROPROPENE	ND	35.700	UG/L		VOMSBAO322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOMSBAO322	Dilution factor 7.14 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AG2742

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 11-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
TRICHLOROETHENE	190.	35.700	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	35.700	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	71.400	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW02
Sample Type: WELL
Sample Number: AG2739

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 12-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	274.44		FT		FDWDTWTC01
GROUNDWATER ELEV.	251.14		FT MSL		FDWGWELWDT
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	6.99		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	578.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	15.7		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	328.00		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	NO SAMPLE		MG/L		CRTOCDUP02
TOTAL ORGANIC CARBON	NO SAMPLE		MG/L		CRTOCDUP02
INORGANICS:					
ALUMINUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISAL
ARSENIC-DISSOLVED	NO SAMPLE		UG/L		INGFAADIAS
BARIUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISBA
CADMIUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISCD
CHROMIUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISCR
COPPER-DISSOLVED	NO SAMPLE		UG/L		INICPDISCU
LEAD-DISSOLVED	NO SAMPLE		UG/L		INGFAADIPB
MANGANESE-DISSOLVED	NO SAMPLE		UG/L		INICPDISMN
MERCURY-DISSOLVED	NO SAMPLE		UG/L		INCVAADIHG
NICKEL-DISSOLVED	NO SAMPLE		UG/L		INICPDISNI
ZINC-DISSOLVED	NO SAMPLE		UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	160	5.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	140	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	10.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	ND	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	ND	5.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	ALL ANALYTES FOR THIS SAMPLE, METHOD 601, RAISED DUE TO HIGH ANALYTE LEVELS. CAL ENSECO
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW02
Sample Type: WELL
Sample Number: AG2739

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 12-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	720	5.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	890	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	NO SAMPLE		UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DINITROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	NO SAMPLE		UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	NO SAMPLE		UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	NO SAMPLE		UG/L		SVMS1BNA06
2-CHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2-NITROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	NO SAMPLE		UG/L		SVMS1BNA06
4,4'-DDD	NO SAMPLE		UG/L		SVGC1PTP01
4,4'-DDE	NO SAMPLE		UG/L		SVGC1PTP01
4,4'-DDT	NO SAMPLE		UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	NO SAMPLE		UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	NO SAMPLE		UG/L		SVMS1BNA06
4-NITROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
ACENAPHTHENE	NO SAMPLE		UG/L		SVMS1BNA06
ACENAPHTHYLENE	NO SAMPLE		UG/L		SVMS1BNA06
ALDRIN	NO SAMPLE		UG/L		SVGC1PTP01
ALPHA-BHC	NO SAMPLE		UG/L		SVGC1PTP01
ANTHRACENE	NO SAMPLE		UG/L		SVMS1BNA06
AROCLOR-1016	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1221	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1232	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1242	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1248	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1254	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1260	NO SAMPLE		UG/L		SVGC1PTP01
BENZIDINE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[A]PYRENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	NO SAMPLE		UG/L		SVMS1BNA06
BETA-BHC	NO SAMPLE		UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	NO SAMPLE		UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	NO SAMPLE		UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	NO SAMPLE		UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
CHLORDANE	NO SAMPLE		UG/L		SVGC1PTP01
CHRYSENE	NO SAMPLE		UG/L		SVMS1BNA06
DELTA-BHC	NO SAMPLE		UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	NO SAMPLE		UG/L		SVMS1BNA06
DIELDRIN	NO SAMPLE		UG/L		SVGC1PTP01
DIETHYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW02
Sample Type: WELL
Sample Number: AG2739

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 12-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
ENDOSULFAN I	NO SAMPLE		UG/L		SVGC1PTP01
ENDOSULFAN II	NO SAMPLE		UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	NO SAMPLE		UG/L		SVGC1PTP01
ENDRIN	NO SAMPLE		UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	NO SAMPLE		UG/L		SVGC1PTP01
FLUORANTHENE	NO SAMPLE		UG/L		SVMS1BNA06
FLUORENE	NO SAMPLE		UG/L		SVMS1BNA06
HEPTACHLOR	NO SAMPLE		UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	NO SAMPLE		UG/L		SVGC1PTP01
HEXACHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	NO SAMPLE		UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	NO SAMPLE		UG/L		SVMS1BNA06
HEXACHLOROETHANE	NO SAMPLE		UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	NO SAMPLE		UG/L		SVMS1BNA06
ISOPHORONE	NO SAMPLE		UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	NO SAMPLE		UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	NO SAMPLE		UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	NO SAMPLE		UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	NO SAMPLE		UG/L		SVMS1BNA06
NAPHTHALENE	NO SAMPLE		UG/L		SVMS1BNA06
NITROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
PENTACHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
PHENANTHRENE	NO SAMPLE		UG/L		SVMS1BNA06
PHENOL	NO SAMPLE		UG/L		SVMS1BNA06
PYRENE	NO SAMPLE		UG/L		SVMS1BNA06
TOXAPHENE	NO SAMPLE		UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	166.650	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	ND	166.650	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	166.650	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	166.650	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	166.650	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	ND	166.650	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	166.650	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	ND	166.650	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	166.650	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	166.650	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	166.650	UG/L		VOMSBA0322
2-BUTANONE	ND	333.300	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	666.600	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	333.300	UG/L		VOMSBA0322
ACETONE	ND	1133.220	UG/L		VOMSBA0322
BENZENE	ND	33.330	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	166.650	UG/L		VOMSBA0322
BROMOFORM	ND	166.650	UG/L		VOMSBA0322
BROMOMETHANE	ND	166.650	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	33.330	UG/L		VOMSBA0322
CHLOROBENZENE	ND	166.650	UG/L		VOMSBA0322
CHLOROETHANE	ND	333.300	UG/L		VOMSBA0322
CHLOROFORM	ND	166.650	UG/L		VOMSBA0322
CHLOROMETHANE	ND	333.300	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	166.650	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	166.650	UG/L		VOMSBA0322
ETHYLBENZENE	ND	166.650	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	166.650	UG/L		VOMSBA0322
O-XYLENE	ND	166.650	UG/L		VOMSBA0322
TETRACHLOROETHENE	750.	166.650	UG/L		VOMSBA0322
TOLUENE	ND	166.650	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	166.650	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	166.650	UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOMSBA0322	Dilution factor 33.33 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW02
Sample Type: WELL
Sample Number: AG2739

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 12-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
TRICHLOROETHENE	1200.	166.650	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	166.650	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	333.300	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AG2740

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 13-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	269.68		FT		FDWDTWTC01
GROUNDWATER ELEV.	249.25		FT MSL		FDWGWELWDT
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	7.09		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	702.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	18.2		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	319.50		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	NO SAMPLE		MG/L		CRTOCDUP02
TOTAL ORGANIC CARBON	NO SAMPLE		MG/L		CRTOCDUP02
INORGANICS:					
ALUMINUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISAL
ARSENIC-DISSOLVED	NO SAMPLE		UG/L		INGFAADIAS
BARIUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISBA
CADMIUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISCD
CHROMIUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISCR
COPPER-DISSOLVED	NO SAMPLE		UG/L		INICPDISCU
LEAD-DISSOLVED	NO SAMPLE		UG/L		INGFAADIPB
MANGANESE-DISSOLVED	NO SAMPLE		UG/L		INICPDISMN
MERCURY-DISSOLVED	NO SAMPLE		UG/L		INCVAADIHG
NICKEL-DISSOLVED	NO SAMPLE		UG/L		INICPDISNI
ZINC-DISSOLVED	NO SAMPLE		UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	200	5.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	8.4	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	160	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	7.1	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	10.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	ND	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	ND	5.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	ALL ANALYTES FOR THIS SAMPLE, METHOD 601, RAISED DUE HIGH ANALYTE LEVELS. CAL ENSECO
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AG2740

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 13-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	290	5.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	580	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	NO SAMPLE		UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DINITROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	NO SAMPLE		UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	NO SAMPLE		UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	NO SAMPLE		UG/L		SVMS1BNA06
2-CHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2-NITROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	NO SAMPLE		UG/L		SVMS1BNA06
4,4'-DDD	NO SAMPLE		UG/L		SVGC1PTP01
4,4'-DDE	NO SAMPLE		UG/L		SVGC1PTP01
4,4'-DDT	NO SAMPLE		UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	NO SAMPLE		UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	NO SAMPLE		UG/L		SVMS1BNA06
4-NITROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
ACENAPHTHENE	NO SAMPLE		UG/L		SVMS1BNA06
ACENAPHTHYLENE	NO SAMPLE		UG/L		SVMS1BNA06
ALDRIN	NO SAMPLE		UG/L		SVGC1PTP01
ALPHA-BHC	NO SAMPLE		UG/L		SVGC1PTP01
ANTHRACENE	NO SAMPLE		UG/L		SVMS1BNA06
AROCLOR-1016	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1221	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1232	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1242	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1248	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1254	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1260	NO SAMPLE		UG/L		SVGC1PTP01
BENZIDINE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[A]PYRENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	NO SAMPLE		UG/L		SVMS1BNA06
BETA-BHC	NO SAMPLE		UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	NO SAMPLE		UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	NO SAMPLE		UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	NO SAMPLE		UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
CHLORDANE	NO SAMPLE		UG/L		SVGC1PTP01
CHRYSENE	NO SAMPLE		UG/L		SVMS1BNA06
DELTA-BHC	NO SAMPLE		UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	NO SAMPLE		UG/L		SVMS1BNA06
DIELDRIN	NO SAMPLE		UG/L		SVGC1PTP01
DIETHYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AG2740

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 13-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
ENDOSULFAN I	NO SAMPLE		UG/L		SVGC1PTP01
ENDOSULFAN II	NO SAMPLE		UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	NO SAMPLE		UG/L		SVGC1PTP01
ENDRIN	NO SAMPLE		UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	NO SAMPLE		UG/L		SVGC1PTP01
FLUORANTHENE	NO SAMPLE		UG/L		SVMS1BNA06
FLUORENE	NO SAMPLE		UG/L		SVMS1BNA06
HEPTACHLOR	NO SAMPLE		UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	NO SAMPLE		UG/L		SVGC1PTP01
HEXACHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	NO SAMPLE		UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	NO SAMPLE		UG/L		SVMS1BNA06
HEXACHLOROETHANE	NO SAMPLE		UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	NO SAMPLE		UG/L		SVMS1BNA06
ISOPHORONE	NO SAMPLE		UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	NO SAMPLE		UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	NO SAMPLE		UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	NO SAMPLE		UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	NO SAMPLE		UG/L		SVMS1BNA06
NAPHTHALENE	NO SAMPLE		UG/L		SVMS1BNA06
NITROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
PENTACHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
PHENANTHRENE	NO SAMPLE		UG/L		SVMS1BNA06
PHENOL	NO SAMPLE		UG/L		SVMS1BNA06
PYRENE	NO SAMPLE		UG/L		SVMS1BNA06
TOXAPHENE	NO SAMPLE		UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	50.000	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	73.	50.000	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	50.000	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	50.000	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	50.000	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	57.	50.000	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	50.000	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	ND	50.000	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	50.000	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	50.000	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	50.000	UG/L		VOMSBA0322
2-BUTANONE	ND	100.000	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	200.000	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	100.000	UG/L		VOMSBA0322
ACETONE	ND	340.000	UG/L		VOMSBA0322
BENZENE	ND	10.000	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	50.000	UG/L		VOMSBA0322
BROMOFORM	ND	50.000	UG/L		VOMSBA0322
BROMOMETHANE	ND	50.000	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	10.000	UG/L		VOMSBA0322
CHLOROBENZENE	ND	50.000	UG/L		VOMSBA0322
CHLOROETHANE	ND	100.000	UG/L		VOMSBA0322
CHLOROFORM	ND	50.000	UG/L		VOMSBA0322
CHLOROMETHANE	ND	100.000	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	50.000	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	50.000	UG/L		VOMSBA0322
ETHYLBENZENE	ND	50.000	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	50.000	UG/L		VOMSBA0322
O-XYLENE	ND	50.000	UG/L		VOMSBA0322
TETRACHLOROETHENE	270.	50.000	UG/L		VOMSBA0322
TOLUENE	ND	50.000	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	50.000	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	50.000	UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOMSBA0322	Dilution factor 10 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AG2740

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 13-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
TRICHLOROETHENE	220.	50.000	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	50.000	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	100.000	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AG2744

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 13-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	271.94		FT		FDWDTWTC01
GROUNDWATER ELEV.	248.42		FT MSL		FDWGWELWDT
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	7.09		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	602.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	17.6		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	318.00		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	NO SAMPLE		MG/L		CRTOCDUP02
TOTAL ORGANIC CARBON	NO SAMPLE		MG/L		CRTOCDUP02
INORGANICS:					
ALUMINUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISAL
ARSENIC-DISSOLVED	NO SAMPLE		UG/L		INGFAADIAS
BARIUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISBA
CADMIUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISCD
CHROMIUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISCR
COPPER-DISSOLVED	NO SAMPLE		UG/L		INICPDISCU
LEAD-DISSOLVED	NO SAMPLE		UG/L		INGFAADIPB
MANGANESE-DISSOLVED	NO SAMPLE		UG/L		INICPDISMN
MERCURY-DISSOLVED	NO SAMPLE		UG/L		INCVAADIHG
NICKEL-DISSOLVED	NO SAMPLE		UG/L		INICPDISNI
ZINC-DISSOLVED	NO SAMPLE		UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	240	5.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	10	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	140	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	14	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	10.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	ND	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	ND	5.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	ALL ANALYTES FOR THIS SAMPLE, METHOD 601, RAISED DUE TO HIGH ANALYTE LEVELS. CAL ENSECO
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AG2744

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 13-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	990	5.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	470	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	NO SAMPLE		UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DINITROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	NO SAMPLE		UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	NO SAMPLE		UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	NO SAMPLE		UG/L		SVMS1BNA06
2-CHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2-NITROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	NO SAMPLE		UG/L		SVMS1BNA06
4,4'-DDD	NO SAMPLE		UG/L		SVGC1PTP01
4,4'-DDE	NO SAMPLE		UG/L		SVGC1PTP01
4,4'-DDT	NO SAMPLE		UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	NO SAMPLE		UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	NO SAMPLE		UG/L		SVMS1BNA06
4-NITROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
ACENAPHTHENE	NO SAMPLE		UG/L		SVMS1BNA06
ACENAPHTHYLENE	NO SAMPLE		UG/L		SVMS1BNA06
ALDRIN	NO SAMPLE		UG/L		SVGC1PTP01
ALPHA-BHC	NO SAMPLE		UG/L		SVGC1PTP01
ANTHRACENE	NO SAMPLE		UG/L		SVMS1BNA06
AROCLOR-1016	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1221	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1232	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1242	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1248	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1254	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1260	NO SAMPLE		UG/L		SVGC1PTP01
BENZIDINE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[A]PYRENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	NO SAMPLE		UG/L		SVMS1BNA06
BETA-BHC	NO SAMPLE		UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	NO SAMPLE		UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	NO SAMPLE		UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	NO SAMPLE		UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
CHLORDANE	NO SAMPLE		UG/L		SVGC1PTP01
CHRYSENE	NO SAMPLE		UG/L		SVMS1BNA06
DELTA-BHC	NO SAMPLE		UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	NO SAMPLE		UG/L		SVMS1BNA06
DIELDRIN	NO SAMPLE		UG/L		SVGC1PTP01
DIETHYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AG2744

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 13-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
ENDOSULFAN I	NO SAMPLE		UG/L		SVGC1PTP01
ENDOSULFAN II	NO SAMPLE		UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	NO SAMPLE		UG/L		SVGC1PTP01
ENDRIN	NO SAMPLE		UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	NO SAMPLE		UG/L		SVGC1PTP01
FLUORANTHENE	NO SAMPLE		UG/L		SVMS1BNA06
FLUORENE	NO SAMPLE		UG/L		SVMS1BNA06
HEPTACHLOR	NO SAMPLE		UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	NO SAMPLE		UG/L		SVGC1PTP01
HEXACHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	NO SAMPLE		UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	NO SAMPLE		UG/L		SVMS1BNA06
HEXACHLOROETHANE	NO SAMPLE		UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	NO SAMPLE		UG/L		SVMS1BNA06
ISOPHORONE	NO SAMPLE		UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	NO SAMPLE		UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	NO SAMPLE		UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	NO SAMPLE		UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	NO SAMPLE		UG/L		SVMS1BNA06
NAPHTHALENE	NO SAMPLE		UG/L		SVMS1BNA06
NITROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
PENTACHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
PHENANTHRENE	NO SAMPLE		UG/L		SVMS1BNA06
PHENOL	NO SAMPLE		UG/L		SVMS1BNA06
PYRENE	NO SAMPLE		UG/L		SVMS1BNA06
TOXAPHENE	NO SAMPLE		UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	166.650	UG/L	PX	VOMSBA0322
1,1,1-TRICHLOROETHANE	ND	166.650	UG/L	PX	VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	166.650	UG/L	PX	VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	166.650	UG/L	PX	VOMSBA0322
1,1-DICHLOROETHANE	ND	166.650	UG/L	PX	VOMSBA0322
1,1-DICHLOROETHENE	ND	166.650	UG/L	PX	VOMSBA0322
1,2-DICHLOROBENZENE	ND	166.650	UG/L	PX	VOMSBA0322
1,2-DICHLOROETHANE	ND	166.650	UG/L	PX	VOMSBA0322
1,2-DICHLOROPROPANE	ND	166.650	UG/L	PX	VOMSBA0322
1,3-DICHLOROBENZENE	ND	166.650	UG/L	PX	VOMSBA0322
1,4-DICHLOROBENZENE	ND	166.650	UG/L	PX	VOMSBA0322
2-BUTANONE	ND	333.300	UG/L	PX	VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	666.600	UG/L	PX,ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	333.300	UG/L	PX	VOMSBA0322
ACETONE	ND	1133.220	UG/L	PX	VOMSBA0322
BENZENE	ND	33.330	UG/L	PX	VOMSBA0322
BROMODICHLOROMETHANE	ND	166.650	UG/L	PX	VOMSBA0322
BROMOFORM	ND	166.650	UG/L	PX	VOMSBA0322
BROMOMETHANE	ND	166.650	UG/L	PX	VOMSBA0322
CARBON TETRACHLORIDE	ND	33.330	UG/L	PX	VOMSBA0322
CHLOROBENZENE	ND	166.650	UG/L	PX	VOMSBA0322
CHLOROETHANE	ND	333.300	UG/L	PX	VOMSBA0322
CHLOROFORM	ND	166.650	UG/L	PX	VOMSBA0322
CHLOROMETHANE	ND	333.300	UG/L	PX	VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	166.650	UG/L	PX	VOMSBA0322
DIBROMOCHLOROMETHANE	ND	166.650	UG/L	PX	VOMSBA0322
ETHYLBENZENE	ND	166.650	UG/L	PX	VOMSBA0322
METHYLENE CHLORIDE	ND	166.650	UG/L	PX	VOMSBA0322
O-XYLENE	ND	166.650	UG/L	PX	VOMSBA0322
TETRACHLOROETHENE	820.	166.650	UG/L	PX	VOMSBA0322
TOLUENE	ND	166.650	UG/L	PX	VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	166.650	UG/L	PX	VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	166.650	UG/L	PX	VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOMSBA0322	Dilution factor 33.33 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AG2744

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 13-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
TRICHLOROETHENE	420.	166.650	UG/L	PX	VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	166.650	UG/L	PX	VOMSBA0322
VINYL CHLORIDE	ND	333.300	UG/L	PX	VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AG2743

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 14-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	271.33		FT		FDWDTWTC01
GROUNDWATER ELEV.	248.24		FT MSL		FDWGWELWDT
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	6.97		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	685.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	18.6		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	330.00		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	NO SAMPLE		MG/L		CRTOCDUP02
TOTAL ORGANIC CARBON	NO SAMPLE		MG/L		CRTOCDUP02
INORGANICS:					
ALUMINUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISAL
ARSENIC-DISSOLVED	NO SAMPLE		UG/L		INGFAADIAS
BARIUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISBA
CADMIUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISCD
CHROMIUM-DISSOLVED	NO SAMPLE		UG/L		INICPDISCR
COPPER-DISSOLVED	NO SAMPLE		UG/L		INICPDISCU
LEAD-DISSOLVED	NO SAMPLE		UG/L		INGFAADIPB
MANGANESE-DISSOLVED	NO SAMPLE		UG/L		INICPDISMN
MERCURY-DISSOLVED	NO SAMPLE		UG/L		INCVAADIHG
NICKEL-DISSOLVED	NO SAMPLE		UG/L		INICPDISNI
ZINC-DISSOLVED	NO SAMPLE		UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	NO SAMPLE		UG/L		SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	NO SAMPLE		UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	NO SAMPLE		UG/L		SBGCFAA101
1,1-DICHLOROETHANE	NO SAMPLE		UG/L		SBGCFAA101
1,1-DICHLOROETHENE	NO SAMPLE		UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	NO SAMPLE		UG/L		SBGCAAA201
1,2-DICHLOROBENZENE	NO SAMPLE		UG/L		SBGCFAA101
1,2-DICHLOROETHANE	NO SAMPLE		UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	NO SAMPLE		UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	NO SAMPLE		UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	NO SAMPLE		UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	NO SAMPLE		UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	NO SAMPLE		UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	NO SAMPLE		UG/L		SBGCFAA101
BENZENE	NO SAMPLE		UG/L		SBGCAAA201
BROMODICHLOROMETHANE	NO SAMPLE		UG/L		SBGCFAA101
BROMOFORM	NO SAMPLE		UG/L		SBGCFAA101
BROMOMETHANE	NO SAMPLE		UG/L		SBGCFAA101
CARBON TETRACHLORIDE	NO SAMPLE		UG/L		SBGCFAA101
CHLOROBENZENE	NO SAMPLE		UG/L		SBGCAAA201
CHLOROBENZENE	NO SAMPLE		UG/L		SBGCFAA101
CHLOROETHANE	NO SAMPLE		UG/L		SBGCFAA101
CHLOROFORM	NO SAMPLE		UG/L		SBGCFAA101
CHLOROMETHANE	NO SAMPLE		UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	NO SAMPLE		UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	NO SAMPLE		UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	NO SAMPLE		UG/L		SBGCFAA101
ETHYLBENZENE	NO SAMPLE		UG/L		SBGCAAA201
METHYLENE CHLORIDE	NO SAMPLE		UG/L		SBGCFAA101
TETRACHLOROETHENE	NO SAMPLE		UG/L		SBGCFAA101
TOLUENE	NO SAMPLE		UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	NO SAMPLE		UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	NO SAMPLE		UG/L		SBGCFAA101
TRICHLOROETHENE	NO SAMPLE		UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	NO SAMPLE		UG/L		SBGCFAA101

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AG2743

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 14-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
VINYL CHLORIDE	NO SAMPLE		UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	NO SAMPLE		UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DINITROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	NO SAMPLE		UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	NO SAMPLE		UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	NO SAMPLE		UG/L		SVMS1BNA06
2-CHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
2-NITROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	NO SAMPLE		UG/L		SVMS1BNA06
4,4'-DDD	NO SAMPLE		UG/L		SVGC1PTP01
4,4'-DDE	NO SAMPLE		UG/L		SVGC1PTP01
4,4'-DDT	NO SAMPLE		UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	NO SAMPLE		UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	NO SAMPLE		UG/L		SVMS1BNA06
4-NITROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
ACENAPHTHENE	NO SAMPLE		UG/L		SVMS1BNA06
ACENAPHTHYLENE	NO SAMPLE		UG/L		SVMS1BNA06
ALDRIN	NO SAMPLE		UG/L		SVGC1PTP01
ALPHA-BHC	NO SAMPLE		UG/L		SVGC1PTP01
ANTHRACENE	NO SAMPLE		UG/L		SVMS1BNA06
AROCLOR-1016	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1221	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1232	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1242	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1248	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1254	NO SAMPLE		UG/L		SVGC1PTP01
AROCLOR-1260	NO SAMPLE		UG/L		SVGC1PTP01
BENZIDINE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[A]PYRENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	NO SAMPLE		UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	NO SAMPLE		UG/L		SVMS1BNA06
BETA-BHC	NO SAMPLE		UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	NO SAMPLE		UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	NO SAMPLE		UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	NO SAMPLE		UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
CHLORDANE	NO SAMPLE		UG/L		SVGC1PTP01
CHRYSENE	NO SAMPLE		UG/L		SVMS1BNA06
DELTA-BHC	NO SAMPLE		UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	NO SAMPLE		UG/L		SVMS1BNA06
DIELDRIN	NO SAMPLE		UG/L		SVGC1PTP01
DIETHYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	NO SAMPLE		UG/L		SVMS1BNA06
ENDOSULFAN I	NO SAMPLE		UG/L		SVGC1PTP01
ENDOSULFAN II	NO SAMPLE		UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	NO SAMPLE		UG/L		SVGC1PTP01
ENDRIN	NO SAMPLE		UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	NO SAMPLE		UG/L		SVGC1PTP01
FLUORANTHENE	NO SAMPLE		UG/L		SVMS1BNA06
FLUORENE	NO SAMPLE		UG/L		SVMS1BNA06
HEPTACHLOR	NO SAMPLE		UG/L		SVGC1PTP01

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AG2743

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 14-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
HEPTACHLOR EPOXIDE	NO SAMPLE		UG/L		SVGC1PTP01
HEXACHLOROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	NO SAMPLE		UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	NO SAMPLE		UG/L		SVMS1BNA06
HEXACHLOROETHANE	NO SAMPLE		UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	NO SAMPLE		UG/L		SVMS1BNA06
ISOPHORONE	NO SAMPLE		UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	NO SAMPLE		UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	NO SAMPLE		UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	NO SAMPLE		UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	NO SAMPLE		UG/L		SVMS1BNA06
NAPHTHALENE	NO SAMPLE		UG/L		SVMS1BNA06
NITROBENZENE	NO SAMPLE		UG/L		SVMS1BNA06
PENTACHLOROPHENOL	NO SAMPLE		UG/L		SVMS1BNA06
PHENANTHRENE	NO SAMPLE		UG/L		SVMS1BNA06
PHENOL	NO SAMPLE		UG/L		SVMS1BNA06
PYRENE	NO SAMPLE		UG/L		SVMS1BNA06
TOXAPHENE	NO SAMPLE		UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M and P)-XYLENE	NO SAMPLE		UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	NO SAMPLE		UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	NO SAMPLE		UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	NO SAMPLE		UG/L		VOMSBA0322
1,1-DICHLOROETHANE	NO SAMPLE		UG/L		VOMSBA0322
1,1-DICHLOROETHENE	NO SAMPLE		UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	NO SAMPLE		UG/L		VOMSBA0322
1,2-DICHLOROETHANE	NO SAMPLE		UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	NO SAMPLE		UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	NO SAMPLE		UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	NO SAMPLE		UG/L		VOMSBA0322
2-BUTANONE	NO SAMPLE		UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	NO SAMPLE		UG/L		VOMSBA0322
4-METHYL-2-PENTANONE	NO SAMPLE		UG/L		VOMSBA0322
ACETONE	NO SAMPLE		UG/L		VOMSBA0322
BENZENE	NO SAMPLE		UG/L		VOMSBA0322
BROMODICHLOROMETHANE	NO SAMPLE		UG/L		VOMSBA0322
BROMOFORM	NO SAMPLE		UG/L		VOMSBA0322
BROMOMETHANE	NO SAMPLE		UG/L		VOMSBA0322
CARBON TETRACHLORIDE	NO SAMPLE		UG/L		VOMSBA0322
CHLOROBENZENE	NO SAMPLE		UG/L		VOMSBA0322
CHLOROETHANE	NO SAMPLE		UG/L		VOMSBA0322
CHLOROFORM	NO SAMPLE		UG/L		VOMSBA0322
CHLOROMETHANE	NO SAMPLE		UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	NO SAMPLE		UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	NO SAMPLE		UG/L		VOMSBA0322
ETHYLBENZENE	NO SAMPLE		UG/L		VOMSBA0322
METHYLENE CHLORIDE	NO SAMPLE		UG/L		VOMSBA0322
O-XYLENE	NO SAMPLE		UG/L		VOMSBA0322
TETRACHLOROETHENE	NO SAMPLE		UG/L		VOMSBA0322
TOLUENE	NO SAMPLE		UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	NO SAMPLE		UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	NO SAMPLE		UG/L		VOMSBA0322
TRICHLOROETHENE	NO SAMPLE		UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	NO SAMPLE		UG/L		VOMSBA0322
VINYL CHLORIDE	NO SAMPLE		UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: TBK-MW01
Sample Type: WELL
Sample Number: AG2742

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 11-JAN-1993
Received: 11-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	ND	0.500	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	1.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	1.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	ND	0.500	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	ND	0.500	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	1.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	ND	1.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	1.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	10.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	1.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	5.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	0.500	UG/L		SBGCFAA101
CHLOROBENZENE	ND	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	2.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
CHLOROFORM	ND	0.500	UG/L		SBGCFAA101
CHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	2.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	1.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	ND	0.500	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	0.500	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	1.000	UG/L		SBGCFAA101
TRICHLOROETHENE	ND	0.500	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	1.000	UG/L		SBGCFAA101

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	CAL ENSECO
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: TBK-MW02
Sample Type: WELL
Sample Number: AG2739

ENS: 93-10060
MP: 562931
REV: 00

Sampled: 12-JAN-1993
Received: 15-JAN-1993
Reported: 2-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	10.000	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	ND	5.000	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	5.000	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBA0322
2-BUTANONE	ND	10.000	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	20.000	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	10.000	UG/L		VOMSBA0322
ACETONE	ND	34.000	UG/L		VOMSBA0322
BENZENE	ND	5.000	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	5.000	UG/L		VOMSBA0322
BROMOFORM	ND	5.000	UG/L		VOMSBA0322
BROMOMETHANE	ND	10.000	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	5.000	UG/L		VOMSBA0322
CHLOROBENZENE	ND	5.000	UG/L		VOMSBA0322
CHLOROETHANE	ND	10.000	UG/L		VOMSBA0322
CHLOROFORM	ND	5.000	UG/L		VOMSBA0322
CHLOROMETHANE	ND	10.000	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		VOMSBA0322
ETHYLBENZENE	ND	5.000	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	5.000	UG/L		VOMSBA0322
O-XYLENE	ND	10.000	UG/L		VOMSBA0322
TETRACHLOROETHENE	ND	5.000	UG/L		VOMSBA0322
TOLUENE	ND	5.000	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	10.000	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		VOMSBA0322
TRICHLOROETHENE	ND	5.000	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	10.000	UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

ATTACHMENT 3

ANALYTICAL RESULTS
MW-01 THROUGH MW-04

EML SUBCONTRACT LABORATORY—CHAIN OF CUSTODY FORM

From:
WMI Environmental Monitoring Laboratories, Inc.
2100 Clearwater Drive
Geneva, Illinois 60134
312/208-3100

To: Name: CAL ENSECO
Address: 2544 INDUSTRIAL BOULEVARD
City: WEST SACRAMENTO State: CA Zip: 95691

EML CONTACT: CARMEL REILLY
PHONE: (708) 208-3111
LAB SUBCONTRACTOR CONTACT:
PHONE:

ENS # 93-100060

SAMPLE ID NUMBER	SAMPLE DATE MM/DD/YY	SAMPLE TIME (2400 HR)	SAMPLE BOTTLE TYPE	SAMPLE BOTTLE SIZE	PRESERVED	SECONDARY LABEL / METHOD NAME	SECONDARY LABEL / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	COMMENTS 1 of 5
AG2944 A1	01/13/93	13:00	G	40ml	Y/N	✓									NOTE: NO FILTRATION AS SAMPLE LABEL IDENTIFIES
AG2944 A2	01/13/93	13:00	G	40ml	Y/N	✓									NO FILTRATION PROCESS AS SAMPLE LABEL IDENTIFIES
AG2944 A3	01/13/93	13:00	G	40ml	Y/N	✓									NO FILTRATION PROCESS AS SAMPLE LABEL IDENTIFIES
AG2944 A4	01/13/93	13:00	G	40ml	Y/N	✓									NO FILTRATION PROCESS AS SAMPLE LABEL IDENTIFIES
AG2944 B1	01/13/93	13:00	G	40ml	Y/N		✓								
AG2944 B2	01/13/93	13:00	G	40ml	Y/N		✓								
AG2944 B3	01/13/93	13:00	G	40ml	Y/N		✓								
AG2944 B4	01/13/93	13:00	G	40ml	Y/N		✓								

CHAIN-OF-CUSTODY CHRONICLE

1. SAMPLES RELINQUISHED BY (PRINT): TERRY McPHETRIDGE DATE (MM/DD/YY): 01/14/93 TIME (2400 HR): 17:00
SIGNATURE: Terry McPhe EMPLOYER: SEC DONOHUE SEAL #: 31502 INTACT: YES

2. I HAVE RECEIVED THESE MATERIALS IN GOOD CONDITION FROM THE ABOVE PERSON.
NAME: Kim WEBER DATE (MM/DD/YY): 1/15/93 TIME (2400 HR): 08:50
SIGNATURE: Kim D Weber EMPLOYER: Enseco REMARKS:

3. SUBCONTRACT LAB USE ONLY
OPENED BY: EMPLOYER: DATE (MM/DD/YY): TIME (2400 HR):
AQUA PAK #: TEMP °C: SEAL #: INTACT:

EML FR4 1/89

ORIGINAL

EML SUBCONTRACT LABORATORY—CHAIN OF CUSTODY FORM

From: WMI Environmental Monitoring Laboratories, Inc.
2100 Clearwater Drive
Geneva, Illinois 60134
312/208-3100

To: Name CAL ENSECO
Address 2544 INDUSTRIAL BOULEVARD
City WEST SACRAMENTO State CA Zip 95691

EML CONTACT: CARMEL REILLY
PHONE: (708) 208-3111
LAB SUBCONTRACTOR CONTACT:
PHONE:

ENS # 93-10060

SAMPLE ID NUMBER	SAMPLE DATE MM/DD/YY	SAMPLE TIME (2400 HR)	SAMPLE BOTTLE TYPE	SAMPLE BOTTLE SIZE	PRESERVED	SEC 8A 2011	6010 NAME	SEC 8A 1011	6010 NAME	METHOD ID	METHOD NAME	METHOD ID	METHOD NAME	METHOD ID	METHOD NAME	METHOD ID	METHOD NAME	METHOD ID	METHOD NAME	METHOD ID	METHOD NAME	COMMENTS 2 OF 5
AG2744 J0	/ /	:	G	40ml	Y N																	TRIP BLANK
AG2744 K0	/ /	:	G	40ml	Y N																	TRIP BLANK
AG2739 A1	01/12/93	10:40	G	40ml	Y N	✓																
AG2739 A2	01/12/93	10:40	G	40ml	Y N	✓																
AG2739 A4	01/12/93	10:40	G	40ml	Y N	✓																NOTE: SAMPLE ID AG2739-A3 BROKEN WHILE SAMPLING
AG2739 B1	01/12/93	10:40	G	40ml	Y N		✓															
AG2739 B2	01/12/93	10:40	G	40ml	Y N		✓															
AG2739 B3	01/12/93	10:40	G	40ml	Y N		✓															

CHAIN-OF-CUSTODY CHRONICLE

1. SAMPLES RELINQUISHED BY TERRY McPHETRIDGE (PRINT) DATE 01/14/93 (MM/DD/YY) TIME 17:00 (2400 HR)
SIGNATURE Terry McPhet EMPLOYER SEC DONOHUE SEAL # 31502 INTACT YES

2. I HAVE RECEIVED THESE MATERIALS IN GOOD CONDITION FROM THE ABOVE PERSON.
NAME Kim Weber DATE 1/15/93 (MM/DD/YY) TIME 08:50 (2400 HR)
SIGNATURE Kim D Weber EMPLOYER Enseco REMARKS

3. SUBCONTRACT LAB USE ONLY
OPENED BY (SIGNATURE) EMPLOYER DATE / / (MM/DD/YY) TIME (2400 HR)
AQUA PAK # TEMP °C SEAL # INTACT

ORIGINAL

EML SUBCONTRACT LABORATORY—CHAIN OF CUSTODY FORM

From:

WMI Environmental Monitoring Laboratories, Inc.
2100 Cleanwater Drive
Geneva, Illinois 60134
312/208-3100

To: Name: CAL ENSECO
Address: 2544 INDUSTRIAL BOULEVARD
City: WEST SACRAMENTO State: CA Zip: 95691

EML CONTACT: CARMEL REILLY
PHONE: (708) 208-3111
LAB SUBCONTRACTOR CONTACT:
PHONE:

ENS # 93-100060

SAMPLE ID NUMBER	SAMPLE DATE MM/DD/YY	SAMPLE TIME (2400 HR)	SAMPLE BOTTLE TYPE	SAMPLE BOTTLE SIZE	PRESERVED	8010/8020	8240/8260	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	COMMENTS 3 of 5
AG2741 A1	01/13/93	15:26	G	40ml	Y/N	✓										No FILTRATION AS SAMPLE LABEL IDENTIFIES
AG2741 A2	01/13/93	15:26	G	40ml	Y/N	✓										NO FILTRATION AS SAMPLE LABEL IDENTIFIES
AG2741 A3	01/13/93	15:26	G	40ml	Y/N	✓										No FILTRATION AS SAMPLE LABEL IDENTIFIES
AG2741 A4	01/13/93	15:26	G	40ml	Y/N	✓										No FILTRATION AS SAMPLE LABEL IDENTIFIES
AG2741 B1	01/13/93	15:26	G	40ml	Y/N		✓									
AG2741 B2	01/13/93	15:26	G	40ml	Y/N		✓									
AG2741 B3	01/13/93	15:26	G	40ml	Y/N		✓									
AG2741 B4	01/13/93	15:26	G	40ml	Y/N		✓									

CHAIN-OF-CUSTODY CHRONICLE

1. SAMPLES RELINQUISHED BY: TERRY McPHERIDGE (PRINT) DATE: 01/14/93 (MM/DD/YY) TIME: 17:00 (2400 HR)
SIGNATURE: Terry McPher EMPLOYER: SEC DONOHUE SEAL #: 31502 INTACT: YES

2. I HAVE RECEIVED THESE MATERIALS IN GOOD CONDITION FROM THE ABOVE PERSON.
NAME: Kim Weber DATE: 1/15/93 (MM/DD/YY) TIME: 08:50 (2400 HR)
SIGNATURE: Kim D Weber EMPLOYER: Enseco REMARKS:

3. SUBCONTRACTOR USE ONLY
OPENED BY: EMPLOYER: DATE: TIME:
AQUA PAK #: TEMP °C: SEAL: INTACT:

EML FR4 1/93

ORIGINAL

EML SUBCONTRACT LABORATORY—CHAIN OF CUSTODY FORM

From:
WMI Environmental Monitoring Laboratories, Inc.
2100 Clearwater Drive
Geneva, Illinois 60134
312/208-3100

To: Name CAL ENSECO
Address 2544 INDUSTRIAL BOULEVARD
City WEST SACRAMENTO State CA Zip 95691

EML CONTACT	PHONE	LAB SUBCONTRACTOR CONTACT	PHONE
CARMEL REILLY	(708) 208-3111		

ENS # 93-100060

SAMPLE ID NUMBER	SAMPLE DATE MM/DD/YY	SAMPLE TIME (2400 HR)	SAMPLE BOTTLE TYPE	SAMPLE BOTTLE SIZE	PRESERVED	SEC METHOD 624	SEC METHOD 601	SEC METHOD 602	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	COMMENTS 4 of 5
AG2740 A1	01/13/93	15:26	G	TEM 40ml	Y N	✓										• NO FILTRATION • PRESERVED = YES
AG2740 A2	01/13/93	15:26	G	40ml	Y N	✓										• NO FILTRATION • PRESERVED = YES
AG2740 A3	01/13/93	15:26	G	40ml	Y N	✓										• NO FILTRATION • PRESERVED = YES
AG2740 A4	01/13/93	15:26	G	40ml	Y N	✓										NO FILTRATION AS SAMPLE LABEL IDENTIFIES
AG2740 B1	01/13/93	15:26	G	40ml	Y N		✓									
AG2740 B2	01/13/93	15:26	G	40ml	Y N		✓									* NOTE: 3 MISSING VOAS
AG2740 B3	01/13/93	15:26	G	40ml	Y N		✓									AG2740-A2-1-13-93 15:26
AG2740 B4	01/13/93	15:26	G	40ml	Y N		✓									AG2740-A3 " "
																AG2740-B4 " "

CHAIN-OF-CUSTODY CHRONICLE

1. SAMPLES RELINQUISHED BY TERRY McPHETRIDGE (PRINT) DATE 01/14/93 (MM/DD/YY) TIME 17:00 (2400 HR)
SIGNATURE Terry McPhetridge EMPLOYER SEC DONOHUE SEAL # 31502 INTACT YES

2. I HAVE RECEIVED THESE MATERIALS IN GOOD CONDITION FROM THE ABOVE PERSON
NAME Kim WEBER DATE 1/15/93 (MM/DD/YY) TIME 8:50 (2400 HR)
SIGNATURE Kim D Weber EMPLOYER Enseco REMARKS * Missing Voas

SUBCONTRACT LAB USE ONLY
NAME EMPLOYER DATE / / (MM/DD/YY) TIME (2400 HR)
SIGNATURE TEMP °C SEAL # INTACT

EML FP4 MSB

ORIGINAL

EML SUBCONTRACT LABORATORY—CHAIN OF CUSTODY FORM

From: WMI Environmental Monitoring Laboratories, Inc.
2100 Clearwater Drive
Geneva, Illinois 60134
312/208-3100

To: Name CAL ENSECO
Address 2544 INDUSTRIAL BOULEVARD
City WEST SACRAMENTO State CA Zip 95691

EML CONTACT: CARMEL REILY
PHONE: (708)208-3111
LAB SUBCONTRACTOR CONTACT:
PHONE:

ENS # 93-10060

SAMPLE ID NUMBER	SAMPLE DATE MM/DD/YY	SAMPLE TIME (2400 HR)	SAMPLE BOTTLE TYPE	SAMPLE BOTTLE SIZE	PRESERVED	SEC 3A0 2 01	602	SEC 3A0 1 01	602	METHOD ID	METHOD NAME	METHOD ID	METHOD NAME	METHOD ID	METHOD NAME	METHOD ID	METHOD NAME	METHOD ID	METHOD NAME	COMMENTS 5 of 5
AG2739 JØ	cancel		G	40ml	Y/N															TRIP BLANK
AG2739 KØ		:	G	40ml	Y/N															TRIP BLANK
AG2739 B4	01/12/93	10:40	G	40ml	Y/N		✓													
AG2740 JØ	cancel		G	40ml	Y/N															TRIP BLANK
AG2740 KØ		:	G	40ml	Y/N															TRIP BLANK
Recieved AG2742-A1, A2, A3, A4, B1, B2, B3, B4, JØ, KØ (But has no COC) @ 1/18/93																				
—	/ /	:			Y/N															Sample time 13:10 on 1/11/93
—	/ /	:			Y/N															

CHAIN-OF-CUSTODY CHRONICLE

1. SAMPLES RELINQUISHED BY TERRY McPHETRIDGE (PRINT) DATE 01/~~13~~ 14/93 (MM/DD/YY) TIME ~~17:00~~ (2400 HR)
SIGNATURE Terry McPhet EMPLOYER SEC DONOHUE SEAL # 31502 INTACT YES

2. I HAVE RECEIVED THESE MATERIALS IN GOOD CONDITION FROM THE ABOVE PERSON.
NAME Kim WEBER DATE 1/15/93 (MM/DD/YY) TIME 08:50 (2400 HR)
SIGNATURE Kim WEBER EMPLOYER Enseco REMARKS

3. SUBCONTRACT—LAB USE ONLY
OPENED BY (SIGNATURE) EMPLOYER DATE / / (MM/DD/YY) TIME : (2400 HR)
AQUA PAK # TEMP. °C SEAL # INTACT

Rev. FF4 1/89

ORIGINAL

EML SUBCONTRACT LABORATORY—CHAIN OF CUSTODY FORM

From:

WMI Environmental Monitoring Laboratories, Inc.
2100 Cleanwater Drive
Geneva, Illinois 60134
312/208-3100

To: Name CAL ENSECO
Address 2544 INDUSTRIAL BOULEVARD
City WEST SACRAMENTO State CA Zip 95691

EML CONTACT: CARMEL REILLY
PHONE: (708) 208-3111
LAB SUBCONTRACTOR CONTACT:
PHONE:
ENS # 93-10314

SAMPLE ID NUMBER	SAMPLE DATE MM/DD/YY	SAMPLE TIME (2400 HR)	SAMPLE BOTTLE TYPE	SAMPLE BOTTLE SIZE	PRESERVED	5030/8240 2OL	5030/8260 2OL	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	COMMENTS
AG4169-A1	/ /	:	G	40ml	(Y) N	✓										1 of 2
AG4169-A2	/ /	:	G	40ml	(Y) N	✓										
AG4169-A3	/ /	:	G	40ml	(Y) N	✓										
AG4169-A4	/ /	:	G	40ml	(Y) N	✓										
AG4169-B1	/ /	:	G	40ml	Y (N)		✓									
AG4169-B2	/ /	:	G	40ml	Y (N)		✓									
AG4169-B3	/ /	:	G	40ml	Y (N)		✓									
AG4169-B4	/ /	:	G	40ml	Y (N)		✓									

1. CHAIN-OF-CUSTODY CHRONICLE

SAMPLES RELINQUISHED BY TERRY McPHETRIDGE (PRINT)
SIGNATURE [signature] EMPLOYER SEC DONOHUE DATE 01/22/93 (MM/DD/YY) TIME 16:15 (2400 HR)

2. I HAVE RECEIVED THESE MATERIALS IN GOOD CONDITION FROM THE ABOVE PERSON. SEAL # 31503 INTACT YES

NAME [illegible]
SIGNATURE [signature] EMPLOYER ENSECO DATE 01/23/93 (MM/DD/YY) TIME 09:55 (2400 HR)

SUBCONTRACT LAB USE ONLY
REMARKS Rec'd in good condition.

OPENED BY [signature] (SIGNATURE) EMPLOYER
COLIA PAK # N/A TEMP. °C 10°C SEAL # NONE INTACT N/A
DATE 01/23/93 (MM/DD/YY) TIME 09:55 (2400 HR)

L FF4 1/89

ORIGINAL

EML SUBCONTRACT LABORATORY—CHAIN OF CUSTODY FORM

From:

WMI Environmental Monitoring Laboratories, Inc.
2100 Cleanwater Drive
Geneva, Illinois 60134
312/208-3100

To: Name CAL ENSECO
Address 2544 INDUSTRIAL BOULEVARD
City WEST SACRAMENTO State CA Zip 95691

EML CONTACT: CARMEL REILLY
PHONE: (708) 208-3111
LAB SUBCONTRACTOR CONTACT:
PHONE:

ANS # 93-10314

SAMPLE ID NUMBER	SAMPLE DATE MM/DD/YY	SAMPLE TIME (2400 HR)	SAMPLE BOTTLE TYPE	SAMPLE BOTTLE SIZE	PRESERVED	SEE BOTTLE 2 ON LABEL METHOD NAME	SEE BOTTLE 1 ON LABEL METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	METHOD ID / METHOD NAME	COMMENTS
464169 D0	/ /	:	G	40ml	(Y) N	✓									2 of 2
464169 E0	/ /	:	G	40ml	Y (N)		✓								TRIP BLANK
—	/ /	:			Y/N										TRIP BLANK
—	/ /	:			Y/N										
—	/ /	:			Y/N										
—	/ /	:			Y/N										
—	/ /	:			Y/N										
—	/ /	:			Y/N										

CHAIN-OF-CUSTODY CHRONICLE

SAMPLES RELINQUISHED BY TERRY McPHETRIDGE (PRINT)
SIGNATURE [signature] EMPLOYER SEC DONOHUE DATE 01/22/93 (MM/DD/YY) TIME 16:15 (2400 HR)
I HAVE RECEIVED THESE MATERIALS IN GOOD CONDITION FROM THE ABOVE PERSON. SEAL # 31503 INTACT YES
NAME [illegible] FLORES
SIGNATURE [signature] EMPLOYER ENSECO DATE 01/23/93 (MM/DD/YY) TIME 09:55 (2400 HR)
REMARKS Received in good condition
[illegible] (SIGNATURE) EMPLOYER ENSECO DATE 01/23/93 (MM/DD/YY) TIME [illegible] (2400 HR)
COOLER PAK # N/A TEMP. °C 16°C SEAL # NONE INTACT N/A

ORIGINAL

ATTACHMENT 2

CHAIN OF CUSTODY DOCUMENTS
CALENSECO ANALYZED SAMPLES

Subcontract To: _____

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 1098
Date Sealed 9 2 / 12 / 17 (YY / MM / DD)
Seal # 45034
By: ER

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: W DUP (Source Code)

SAMPLE DATE: - 9 3 0 1 ~~0 8~~ 13 (YY / MM / DD) TRM 1/13/93

SAMPLE TIME: 1 5 : 2 6 (2400 HR.) MATRIX CODE: W

Water ..... (W) Leachate ..... (C)
Soil ..... (S) Other ..... (X)

Source Codes:

Well ..... (W) Leachate System .. (C) Pretreatment Facility ... (P) River/Stream/Brook .. (R) Soil ..... (S) Generation Pt. .... (G)
Dewatering/Pressure Relief .... (D) Gas Condensate ... (M) Influent ..... (U) Lake or Ocean ..... (L) Bottom Sediment ... (B) Other ..... (X)
Surface Water Impoundment ... (I) Air ..... (A) Effluent ..... (T) Outfall ..... (O) Noise ..... (N) Specify _____

ENS # 93-10060 **AquaPak™ CONTENT**

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AG2741-A	04	G	HCL/COOL 4 DEG C	SB	Y N (TRM 1/5/93)		
AG2741-B	04	G	NONE/COOL 4 DEG C	SB	Y N		
AG2741-C	02	G	H2SO4/COOL 4 DEG C	CR	Y N		
AG2741-D	01	P	HNO3	IN	Y N	PER MARC YOLOND	CANCELLED 1/14/93 TRM
AG2741-E	01	P	HNO3	IN	Y N		CANCELLED 1/14/93 TRM
AG2741-F	02	G	NONE/COOL 4 DEG C	SV	Y N	F1 TAPED LABEL TO BOTTLE	CANCELLED 1/14/93 TRM
AG2741-G	02	G	NONE/COOL 4 DEG C	SV	Y N		CANCELLED 1/14/93 TRM
AG2741-H	04	G	HCL/COOL 4 DEG C	VO	Y N		
~~AG2741-I~~	~~01~~	~~G~~	~~HCL/COOL 4 DEG C~~	~~VO~~	Y N		CANCEL 12-17-93
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		

SHIPMENT OF SAMPLES DELAYED RESULTING FROM INCLEMENT WEATHER + WELL/EQUIPMENT MALFUNCTIONS. 1/14/93 TRM

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) TERRY McPHETRIDGE Date: 1/5/93 Time: 10:15 (2400 HR.)
Signature: [signature] Seal #: 45034 Intact: YES

I have received these materials in good condition from the above person.

2. Name: _____ Signature: _____
Date: / / Time: _____ (2400 HR.) Remarks: _____

I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
Date: / / Time: _____ (2400 HR.) Remarks: _____

4. AquaPak™/Sub Contr. # 1098 Sealed By: TERRY McPHETRIDGE (Print) Date: 01/14/93 Time: 17:00 (2400 HR.)
Signature: [signature] Seal #: 44527 Intact: YES

LAB USE ONLY
Opened By: (Signature) [signature] Date: 1/15/93 Time: 10:40 (2400 HR.)
AquaPak™/Sub. Contr. # 1098 Temp.°C 3 Seal # 44527 Intact. Y

REGION

EML FF-1A 4/91

WMI ...nmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AG2741

FIELD INFORMATION FORM

Sample Point: WDUP (Source Code)

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
930113 TRM 1/13/93	1445	.4	50.8	160.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N (circle one) Sampling Equipment ..... Dedicated (Y) | N (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL TNC 304 GALVANIZED PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* 518.93 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	~~270.83~~ 269.68 TRM 1/13/93 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	~~248.10~~ 249.25 TRM 1/13/93 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* 319.50 (ft)	Stickup	(ft)

	ph		spec. cond.		
1st	7.09 (STD)	1st	702 μm/cm at 25° C	Sample Temp.	18.2 (° C)
2nd	(STD)	2nd	μm/cm at 25° C	WELL DIAM (other parameter)	5.0 value in. units
3rd	(STD)	3rd	μm/cm at 25° C	(other parameter)	value units
4th	(STD)	4th	μm/cm at 25° C	(other parameter)	value units

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: NONE Color: NO COLOR Turbidity: NONE

Weather Conditions: Wind Speed 8 MPH Direction SOUTHWEST Precipitation (Y)/N Outlook CLOUDY/RAIN

Specific Comments: * OBTAINED FROM WELL ID CHART (1992)

WELL CONDITION IS GOOD, ACCESS GOOD.

[319.5 - 270.83 = 48.67 AS MEASURED ON 1/8/93, GENERATOR BROKE DOWN - NO PURGING.]

319.5 - 269.68 = 49.82 x 1.02 = 50.82 x 3 = 152.46 GALLONS

GOOD RECHARGE RATE, OBTAINED 3 CASING VOLUMES AT 15:05. SAMPLING AT 15:26.

DUPLICATE COLLECTED AT MW-03.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

01/13/93 (Date) [signature] (Signature) Employer: SEC DONOHUE

EML FF-2A 4/90

REGION

Subcontract To:

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 1092
Date Sealed 9 2 / 1 2 / 1 7 (YY / MM / DD)
Seal # 44750
By: EL

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: W M W 0 1 (Source Code)

BARCODE

SAMPLE DATE: 9 3 0 1 1 1 (YY / MM / DD)

SAMPLE TIME: 1 3 : 1 0 (2400 HR.) MATRIX CODE: W

Water (W) Soil (S) Leachate (C) Other (X)

Source Codes:

Well (W) Dewatering/Pressure Relief (D) Surface Water Impoundment (I) Leachate System (C) Gas Condensate (M) Air (A) Pretreatment Facility (P) Influent (U) Effluent (T) River/Stream/Brook (R) Lake or Ocean (L) Outfall (O) Soil (S) Bottom Sediment (B) Noise (N) Generation Pt. (G) Other (X) Specify

ENS # 93-10060

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	LAB COMMENTS
AG2742-A	04	G	HCL/COOL 4	DEG C SB	Y N	1/5/93	
AG2742-B	04	G	NONE/COOL	4 DEG C SB	Y N		
AG2742-C	02	G	H2SO4/COOL	4 DEG C CR	Y N		
AG2742-D	01	P	HNO3	IN	Y N	PER	TRM
AG2742-E	01	P	HNO3	IN	Y N	MARK	TRM
AG2742-F	02	G	NONE/COOL	4 DEG C SV	Y N	YALOM	TRM
AG2742-G	02	G	NONE/COOL	4 DEG C SV	Y N		TRM
AG2742-H	04	G	HCL/COOL 4	DEG C VO	Y N	HH BROKEN TRM 1/11/93	
AG2742-I	01	G	HCL/COOL 4	DEG C VO	Y N	PER MARK TRM 1/11/93	TB 12-17-92
AG2742-J	01	G	NONE/COOL 4	DEG C SB	Y N		TB 12-17-92
AG2742-K	01	G	HCL/COOL 4	DEG C SB	Y N		TB 12-17-92
					Y N		
SHIPMENT	OF	SAMPLES	RELATED		Y N		
RESULTING	FROM	INCLEMENT	WEATHER		Y N		
AND	WELL	OR	EQUIPMENT	MALFUNCTIONS	Y N		
	1/14/93		TRM		Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) TERRY McPHETRIDGE Date: 1 / 5 / 93 Time: 12 : 40 (2400 HR.)
Signature: Terry McPh Seal #: 44750 Intact: YES

I have received these materials in good condition from the above person.

2. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks:

I have received these materials in good condition from the above person.

3. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks:

4. AquaPak™/Sub Contr. # 1092 Sealed By: TERRY McPHETRIDGE (Print) Date: 01 / 14 / 93 TRM 1/14/93 Time: 17 : 00 TRM 1/14/93 (2400 HR.)
Signature: Terry McPh Seal #: 48057 Intact: YES

LAB USE ONLY
Opened By: (Signature) Date: 1/15/93 Time: 10:32 (2400 HR.)
AquaPak™/Sub. Contr. # 1092 Temp.°C 2 Seal # 48057 Intact. Y
REGION

EML FF-1A 4/91

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: A62742 TRM 1/11/93

FIELD INFORMATION FORM

Sample Point: WMW01 (Source Code)

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
930111	11:55	TRM 1/11/93 ~~12~~ 04	558	1740

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL TNC GALVANIZED PIPE PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* 529.20 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	280.21 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	248.99 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* 335.00 (ft)	Stickup	(ft)

	ph		spec. cond.		
1st	6.95 (STD)	1st	611 μm/cm at 25° C	Sample Temp.	17.3 (° C)
2nd	(STD)	2nd	μm/cm at 25° C	WELL DIAM (other parameter)	50 value, in. units
3rd	(STD)	3rd	μm/cm at 25° C	(other parameter)	value, units
4th	(STD)	4th	μm/cm at 25° C	(other parameter)	value, units

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: NONE Color: CLEAR Turbidity: SLIGHT

Weather Conditions: Wind Speed 15 MPH Direction SOUTHWEST Precipitation Y/(N) Outlook PARTLY CLOUDY

Specific Comments: * OBTAINED FROM WELL ID CHART (1992)

WELL CONDITION IS GOOD, ACCESS GOOD.

335 - 280.21 = 54.79 x 1.02 = 55.89' x 3 = 168 GALLONS

GOOD RECHARGE RATE; 3 CASINGS OBTAINED @ 12:13

WELL IS LOCATED AT NORTHERN PERIMETER OF OSCO PLANT FACILITY.

~~SAMPLE ID A62742-H4 BROKEN DURING SAMPLING; TB A62742-I0 OPENED ACCIDENTALLY.~~

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

01/11/93 (Date) [signature] (Signature) Employer: SEC DONOHUE

EML FF-2A 4/90

REGION

Subcontract To: _____

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 672
Date Sealed 9 2 1 2 1 7 (YY / MM / DD)
Seal # 44781
By: ER

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: W M W Ø 2 (Source Code)

SAMPLE DATE: - 9 3 0 1 1 2 (YY / MM / DD)

SAMPLE TIME: 1 0 : 4 0 (2400 HR.) MATRIX CODE: W

Water ..... (W) Leachate ..... (C)
Soil ..... (S) Other ..... (X)

Source Codes:

Well ..... (W)	Leachate System .. (C)	Pretreatment Facility ... (P)	River/Stream/Brook .. (R)	Soil ..... (S)	Generation Pt. .... (G)
Dewatering/Pressure Relief .... (D)	Gas Condensate ... (M)	Influent ..... (U)	Lake or Ocean ..... (L)	Bottom Sediment ... (B)	Other ..... (X)
Surface Water Impoundment ... (I)	Air ..... (A)	Effluent ..... (T)	Outfall ..... (O)	Noise ..... (N)	Specify _____

ENS # 93-10060

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AG2739-A	04	G	HCL/COOL 4 DEG C	SB	Y N	A3 BROKEN TRM 1/13/93	
AG2739-B	04	G	NONE/COOL 4 DEG C	SB	Y N		
AG2739-C	02	G	H2SO4/COOL 4 DEG C	CR	Y N	PER YALOM CANCELLED 1/14/93 TRM	
AG2739-D	01	P	HNO3	IN	Y N	PER MARC YALOM CANCELLED 1/14/93 TRM	
AG2739-E	01	P	HNO3	IN	Y N	PER YALOM CANCELLED 1/14/93 TRM	
AG2739-F	04	G	NONE/COOL 4 DEG C	SV	Y N	PER YALOM CANCELLED 1/14/93 TRM	
AG2739-G	04	G	NONE/COOL 4 DEG C	SV	Y N	PER YALOM CANCELLED 1/14/93 TRM	
AG2739-H	04	G	HCL/COOL 4 DEG C	VO	Y N		
AG2739-I	01	G	HCL/COOL 4 DEG C	VO	Y N		TB 12-17-92 E.R.
AG2739-J	01	G	NONE/COOL 4 DEG C	SB	Y N		TB 12-17-92 E.R.
AG2739-K	01	G	HCL/COOL 4 DEG C	SB	Y N		TB 12-17-92 E.R.
					Y N		
DELAY IN SHIPPING A RESULT OF					Y N		TB- NO Bubble
INCLEMENT WEATHER, EQUIPMENT					Y N		1-15-93
MALFUNCTIONS, AND WELL EQUIPMENT PROBLEMS.					Y N		JRH
				1/14/93 TRM	Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) TERRY McPHETRIDGE Date: 1/5/93 Time: 11:10 (2400 HR.)
Signature: Terry McPhet Seal #: 44781 Intact: YES

I have received these materials in good condition from the above person.

2. Name: _____ Signature: _____
Date: / / Time: _____ (2400 HR.) Remarks: _____

I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

4. AquaPak™/Sub Contr. # 672 Sealed By: TERRY McPHETRIDGE (Print) Date: 01/~~13~~ 14/93 TRM 1/14/93 Time: 17:00 (2400 HR.)
Signature: Terry McPhet Seal #: ~~44544~~ 47707 TRM 1/14/93 Intact: YES

LAB USE ONLY
Opened By: (Signature) [signature] Date: 1/15/93 Time: 10:22 (2400 HR.)
AquaPak™/Sub. Contr. # 672 Temp.°C 1 Seal # 47707 Intact. Y

REGION

EML FF-1A 4/91

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AG2739

FIELD INFORMATION FORM

Sample Point: WMW02 (Source Code)

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
930112	TRM 09.35	4 TRM	54.6	165.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL TNC GALVANIZED PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* 525.58 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	274.44 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	251.44 TRM (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* 328.00 (ft)	Stickup	(ft)

1st	6.99 (STD) ph	1st	578 μm/cm at 25° C spec. cond.	Sample Temp.	15.7 (° C)
2nd	(STD) ph	2nd	μm/cm at 25° C spec. cond.	(other parameter)	value units
3rd	(STD) ph	3rd	μm/cm at 25° C spec. cond.	(other parameter)	value units
4th	(STD) ph	4th	μm/cm at 25° C spec cond.	(other parameter)	value units

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: NONE Color: CLEAR Turbidity: SLIGHT

Weather Conditions: Wind Speed 10 MPH Direction SOUTHWEST Precipitation (Y) N TRM 1/12/92 Outlook PARTLY CLOUDY

Specific Comments: * OBTAINED INFORMATION FROM WELL ID CHART (1992)
WELL CONDITION IS GOOD, ACCESS GOOD.
328-274.44 = 53.56 x 1.02 = 54.63 x 3 = 163.89 GALLONS
GOOD RECHARGE RATE; OBTAINED 3 WELL VOLUMES @ 9:55
SAMPLE ID AG2739-A3 WAS BROKEN FOLLOWING SAMPLING.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

01/12/93 (Date) [signature] (Signature) Employer: SEC DONOHUE

EML FF-2A 4/90

REGION

Subcontract To:

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 1098
Date Sealed 91/12/17 (YY / MM / DD)
Seal # 45034
By: ED

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: WMW03 (Source Code)

SAMPLE DATE: 93 01 13 (YY / MM / DD) TRM 1/13/93

SAMPLE TIME: 15:26 (2400 HR.)

MATRIX CODE: W

Water (W) Soil (S) Leachate (C) Other (X)

Source Codes:

Well (W) Dewatering/Pressure Relief (D) Surface Water Impoundment (I) Leachate System (C) Gas Condensate (M) Air (A) Pretreatment Facility (P) Influent (U) Effluent (T) River/Stream/Brook (R) Lake or Ocean (L) Outfall (O) Soil (S) Bottom Sediment (B) Noise (N) Generation Pt. (G) Other (X) Specify

ENS # 93-10060

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AG2740-A	04	G	HCL/COOL 4 DEG C	SB	Y N		A2 A3 Rec.
AG2740-B	04	G	NONE/COOL 4 DEG C	SB	Y N		ml 1-15 SRL
AG2740-C	02	G	H2SO4/COOL 4 DEG C	CR	Y N		TRM
AG2740-D	01	P	HNO3	IN	Y N	PER MARC YALDM	TRM
AG2740-E	01	P	HNO3	IN	Y N		TRM
AG2740-F	02	G	NONE/COOL 4 DEG C	SV	Y N		TRM
AG2740-G	02	G	NONE/COOL 4 DEG C	SV	Y N		TRM
AG2740-H	04	G	HCL/COOL 4 DEG C	VO	Y N		
AG2740-I	01	G	HCL/COOL 4 DEG C	VO	Y N		TB 12-17-92
AG2740-J	01	G	NONE/COOL 4 DEG C	SB	Y N		TB 12-17-92
AG2740-K	01	G	HCL/COOL 4 DEG C	SB	Y N		TB 12-17-92
					Y N		
SHIPMENT OF SAMPLES DELAYED					Y N		1076 TRM
RESULTING FROM INCLEMENT WEATHER					Y N		1-15-93
AND WELL &/OR EQUIPMENT MALFUNCTIONS.					Y N		
1/14/93 TRM					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) TERRY McPHETRIDGE Date: 1/5/93 Time: 10:15 (2400 HR.)
   Signature: Terry McPhetridge Seal #: 45034 Intact: YES

I have received these materials in good condition from the above person.

2. Name: Signature:
   Date: / / Time: : (2400 HR.) Remarks:

I have received these materials in good condition from the above person.

3. Name: Signature:
   Date: / / Time: : (2400 HR.) Remarks:

4. AquaPak™/Sub Contr. # 1098 Sealed By: TERRY McPHETRIDGE (Print) Date: 01/14/93 Time: 17:00 (2400 HR.)
   Signature: Terry McPhetridge Seal #: 44527 Intact: YES

LAB USE ONLY
Opened By: (Signature) Date: 1/15/93 Time: 10:40 (2400 HR.)
AquaPak™/Sub. Contr. # 1098 Temp.°C 3 Seal # 44527 Intact. Y
REGION

EML FF-1A 4/91

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AG2740

Sample Point: WMW03 (Source Code)

FIELD INFORMATION FORM

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
930113 (TPM 1/13/93)	1445	.4	508 (TPM 1/13/93) 49.5	160.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL TNC 304 GALVANIZED PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* 518.93 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	269.68 (ft) (TPM 1/13/93)	Depth to water From land surface	(ft)
Groundwater Elevation	248.25 (ft/msl) (TPM 1/13/93)	Groundwater Elevation	(ft/msl)
Well Depth	* 319.50 (ft)	Stickup	(ft)

	ph	spec. cond. (μm/cm at 25° C)	Sample Temp.
1st	7.09 (STD)	702	18.2 (° C)
2nd	(STD)		
3rd	(STD)		
4th	(STD)		

(other parameter)	value	units
WELL DIAM	5.0	in.

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: NONE Color: NO COLOR Turbidity: NONE

Weather Conditions: Wind Speed 8 MPH Direction SOUTHWEST Precipitation (Y)N Outlook CLOUDY/RAIN

Specific Comments: * OBTAINED FROM WELL I.D. CHART (1992)

WELL CONDITION IS GOOD, ACCESS GOOD.

[319.5 - 270.83 = 48.67 AS MEASURED ON 1/08/93, GENERATOR BROKE DOWN-NO PURGING

319.5 - 269.68 = 49.82 x 1.02 = 50.82 x 3 = 152.46 GALLONS

GOOD RECHARGE RATE, OBTAINED 3 CASING VOLUMES AT 15:05. SAMPLING AT 15:26.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

01/13/93 (Date) Mary McPhee (Signature) Employer: SEC DONOHUE

EML FF-2A 4/90

REGION

Subcontract To: _____

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 357
Date Sealed 92/12/17 (YY / MM / DD)
Seal # 44373
By: ER

SITE/FACILITY # 562 SITE NAME: Q.S.C.O

Sample Point: WMW04 (Source Code)

SAMPLE DATE: - 930113 (YY / MM / DD) TRM 1/13/93

SAMPLE TIME: 13:00 (2400 HR.) MATRIX CODE: W

Water ..... (W) Leachate ..... (C)
Soil ..... (S) Other ..... (X)

Source Codes:
Well ..... (W) Leachate System .. (C) Pretreatment Facility ... (P) River/Stream/Brook .. (R) Soil ..... (S) Generation Pt. .... (G)
Dewatering/Pressure Relief .... (D) Gas Condensate ... (M) Influent ..... (U) Lake or Ocean ..... (L) Bottom Sediment ... (B) Other ..... (X)
Surface Water Impoundment ... (I) Air ..... (A) Effluent ..... (T) Outfall ..... (O) Noise ..... (N) Specify _____

ENS # 93-10060

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AG2744-A	04	G	HCL/COOL 4 DEG C	SB	Y N	TRM 1/11/93	
AG2744-B	04	G	NONE/COOL 4 DEG C	SB	Y N		
AG2744-C	02	G	H2SO4/COOL 4 DEG C	CR	Y N		CANCELLED 1/14/93 TRM
AG2744-D	01	P	HNO3	IN	Y N	PER	CANCELLED 1/14/93 TRM
AG2744-E	01	P	HNO3	IN	Y N	MARC	CANCELLED 1/14/93 TRM
AG2744-F	02	G	NONE/COOL 4 DEG C	SV	Y N	YALOM	CANCELLED 1/14/93 TRM
AG2744-G	02	G	NONE/COOL 4 DEG C	SV	Y N		CANCELLED 1/14/93 TRM
AG2744-H	04	G	HCL/COOL 4 DEG C	VO	Y N		
AG2744-I	01	G	HCL/COOL 4 DEG C	VO	Y N		TB 12-17-92 E.
AG2744-J0	01	G	NONE/COOL 4 DEG C	SB	Y N		TB 12-17-92
AG2744-K0	01	G	HCL/COOL 4 DEG C	SB	Y N		TB 12-17-92
					Y N		
SHIPMENT OF SAMPLES DELAYED RESULTING					Y N		
FROM INCLEMENT WEATHER 1/14/93 TRM					Y N		IØ, 5 bmm, JHC 1-15-93
BOTTLE SET AG2744 TRANSFERED FROM AQUAPAK					Y N		
# 357 TO # 1092. 1/14/93 TRM					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) TERRY McPHETRIDGE Date: 1/5/93 Time: 11:40 (2400 HR.)
Signature: [signature] Seal #: 44373 Intact: YES

I have received these materials in good condition from the above person.

2. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

4. AquaPak™/Sub Contr. # 1092 Sealed By: TERRY McPHETRIDGE (Print) Date: 01/14/93 Time: 17:00 (2400 HR.)
Signature: [signature] Seal #: 48057 Intact: YES

LAB USE ONLY
Opened By: (Signature) [signature] Date: 1/15/93 Time: 10:32 (2400 HR.)
AquaPak™/Sub. Contr. # 1092 Temp.°C 2 Seal # 48057 Intact. Y

EML FF-1A 4/91

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AG2744

Sample Point: MW04 (Source Code)

FIELD INFORMATION FORM

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
930111	1608	5 TRM 1/11/93	469	1420

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL TUBE GALVANIZED PIPE PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon C-Rope X- (SPECIFY)	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* 5203.6 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	271.94 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	248.42 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* 318.00 (ft)	Stickup	(ft)

	ph		spec. cond.				
1st	7.09 (STD)	1st	602 μm/cm at 25° C	Sample Temp.	17.6 (° C)		
2nd	(STD)	2nd	μm/cm at 25° C	WELL DIAM	5.0	in.	
3rd	(STD)	3rd	μm/cm at 25° C				
4th	(STD)	4th	μm/cm at 25° C				

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: NONE Color: CLEAR Turbidity: SLIGHT

Weather Conditions: Wind Speed 15 MPH Direction SOUTHWEST Precipitation Y/(N) Outlook PARTLY CLOUDY

Specific Comments: * OBTAINED FROM WELL ID CHART (1992)
WELL CONDITION IS GOOD, ACCESS GOOD. GOOD RECHARGE RATE
3 WELL VOLUMES OBTAINED @ 16:27. NOTE: WELLHEAD COMPLETION PAD NEEDS REPAIR.
318 − 271.94 = 46.06 × 1.02 = 46.98 × 3 = 140.94 GALLONS
READINGS ON 1/13/93: pH = 7.08, TEMP. = 18.3, SC = 616
WEATHER CONDITIONS ON 1/13/93: WIND SPEED = 8 MPH; DIRECTION = SW; RAIN; CLOUDY.
PER GWMC (YALON) - MONITOR pH, T, SC AND IF SAME AS SUBSEQUENT TO PURGING ON 1/11/93 THEN PROCEED WITH SAMPLING

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

01/13/93 (Date) Henry McPhee (Signature) Employer: SEC DONOHUE

EML FF-2A 4/90

REGION

357 ... 1-15-93

Subcontract To: _____

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 1092
Date Sealed 9 2 / 1 2 / 1 7 (YY / MM / DD)
Seal # 44750
By: ER

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: W M W 0 5 (Source Code)

SAMPLE DATE: - ~~9 3 0 1 1 1 1~~ (YY / MM / DD) TRM 1/14/93 NO SAMPLING PERFORMED, RESCHEDULING.

SAMPLE TIME: : (2400 HR.) MATRIX CODE: W

Water ..... (W) Leachate ..... (C)
Soil ..... (S) Other ..... (X)

Source Codes:

Well ..... (W) Leachate System .. (C) Pretreatment Facility ... (P) River/Stream/Brook .. (R) Soil ..... (S) Generation Pt. .... (G)
Dewatering/Pressure Relief .... (D) Gas Condensate ... (M) Influent ..... (U) Lake or Ocean ..... (L) Bottom Sediment ... (B) Other ..... (X)
Surface Water Impoundment ... (I) Air ..... (A) Effluent ..... (T) Outfall ..... (O) Noise ..... (N) Specify _____

ENS # 93-10060 **AquaPak™ CONTENT**

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AG2743-A	04	G	HCL/COOL 4 DEG C	SB	Y N		
AG2743-B	04	G	NONE/COOL 4 DEG C	SB	Y N		
AG2743-C	02	G	H2SO4/COOL 4 DEG C	CR	Y N	PER MARC YALOM	
AG2743-D	01	P	HNO3	IN	Y N	TO BE CANCELLED	
AG2743-E	01	P	HNO3	IN	Y N	FOR SAMPLING OF	
AG2743-F	02	G	NONE/COOL 4 DEG C	SV	Y N	MW-05 THE FOLLOWING	
AG2743-G	02	G	NONE/COOL 4 DEG C	SV	Y N	WEEK: 1/14/93 TRM	
AG2743-H	04	G	HCL/COOL 4 DEG C	VO	Y N		
~~AG2743-I~~	~~01~~	~~G~~	~~HCL/COOL 4 DEG C~~	~~VO~~	Y N		CANCEL 12-17-92
					Y N		
NO SAMPLING PERFORMED					Y N		
					Y N		
RESULTING FROM WELL EQUIPMENT					Y N		
					Y N		
MALFUNCTIONS. 1/14/93 TRM					Y N		
BOTTLE SET AG2743 TRANSFERED TO AQUAPAK #357					Y 1/14/93 TRM		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) TERRY McPHETRIDGE Date: 1/5/93 Time: 12:40 (2400 HR.)
Signature: [signature] Seal #: 44750 Intact: YES

I have received these materials in good condition from the above person.

2. Name: _____ Signature: _____
Date: / / Time: _____ (2400 HR.) Remarks: _____

I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

4. AquaPak™/Sub Contr. # 357 Sealed By: TERRY McPHETRIDGE (Print) Date: 01/14/93 Time: 17:00 (2400 HR.)
Signature: [signature] Seal #: 44365 Intact: YES

LAB USE ONLY
Opened By: (Signature) [signature] Date: 1/15/93 Time: 10:01 (2400 HR.)
AquaPak™/Sub. Contr. # 357 Temp.°C N/A Seal # 44365 Intact. Y

REGION

EML FF-1A 4/91

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AG2742 3 TRM 1/11/93

FIELD INFORMATION FORM

Sample Point: WMW05 (Source Code)

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
930111	1412	3	587	1800

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A,B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A,B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL INC GALVANIZED PIPE PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon C-Rope X- (SPECIFY)	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* 5957 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	271.33 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	2482.4 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* 3300 (ft)	Stickup	(ft)

	ph	spec. cond. (μm/cm at 25° C)	
1st	6.97 (STD)	685	Sample Temp. 18.6 (° C)
2nd	(STD)		(other parameter) / value / units
3rd	(STD)		(other parameter) / value / units
4th	(STD)		(other parameter) / value / units

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: NONE Color: CLEAR Turbidity: SLIGHT

Weather Conditions: Wind Speed _____ Direction _____ Precipitation Y(N) Outlook PARTLY CLOUDY

Specific Comments: * OBTAINED INFORMATION FROM WELL ID CHART (1992)
WELL CONDITION IS GOOD, ACCESS GOOD.
330 − 271.33 = 58.67 × 1.02 = 59.84 × 3 = 179.5
GOOD RECHARGE RATE, 3 WELL VOLUMES OBTAINED @ 14:30.
NO SAMPLES COLLECTED ON 1/11/93, BLADDER PUMP SYSTEM NOT FUNCTIONING.
WELL/BLADDER PUMP MALFUNCTION, RESCHEDULING FOR THE WEEK OF 1/18-23/93.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

01/11/93 (Date) Mary McPlat (Signature) Employer: SEC DONOHUE

EML FF-2A 4/90

REGION

HWMD
ROUTING SLIP
DIRECTOR'S OFFICE

Date: 3/16/93

____	H-1	ZELIKSON	Director	___
____	H-1-W	YOSHII	Deputy Dir. RCRA	___
____	H-1-S	TAKATA	Deputy Dir. $fund	___
____	H-1	KAHAN	Program Analyst	___
____	H-1-A	BROWN	Admin. Analyst	___
____	H-1-1	YOUNG	Community Rels.	___
____	H-1	SMITH, C	US/Mexico Coor.	___
____	H-1-B	PPT LEAD PERSON	_____	___
____	H-1	_____	_____	___

HEALTH AND EMERGENCY PLANNING

____	H-1-2	SHIMMIN	Office Chief	___
____	H-1-2	_____	_____	___

WASTE PROGRAMS

____	H-2	VAILLE	State Programs	___
✓	~~H-3~~	~~FEELEY~~	~~Permits/Solid Waste~~	✓
____	H-4	SCHWINN	Waste Compliance	___
✓	4-3-3	~~Karen Schumann~~	Lily.	___

N2 3/17

SUPERFUND PROGRAMS

____	H-6	JONES	$F Remedial	___
____	H-7	LINDSAY	$F Enforcement	___
____	H-8	WHITE	$F Field Oper.	___
____	H-9	ANDERSON	$F Federal Fac.	___

NOTES:

2 Lily you are temporarily taking over for Tom K in Region 3? KLS

Rec. 3/17/93

Chemical Waste Management, Inc.

4227 Technology Drive
Fremont, California 94538-6337
510/651-2964 Fax: 510/656-4926

MAR 16 1993

March 12, 1993

Mr. Jeffrey Zelikson
Director
U.S. Environmental Protection Agency
Region IX
75 Hawthorne Street
San Francisco, California 94105

Mr. Dennis Dickerson
Regional Administrator
California Environmental Protection Agency
Region III
1011 North Grandview Avenue
Glendale, California 91201

Subject: Oil & Solvent Process Company, Azusa, California - CAD 008302903
RCRA Facility Investigation
Report of January 1993 Groundwater Monitoring Event &
Submission of Data on Electronic Media

Gentlemen:

In accordance with the recommendations presented in the Oil & Solvent Process Company (OSCO) RCRA Facility Investigation (RFI) Final Report[1], and the OSCO RCRA Part B Permit Attachment D, Section E.3.d, Chemical Waste Management, Inc., (CWM) is submitting this report describing the January 1993 Groundwater Monitoring Event at OSCO.

CWM is also submitting a computer diskette containing the results of groundwater analytical and elevation data collected since the first sampling of onsite monitoring wells in August 1992. The electronic media submission is required under permit condition VI.8.A.

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[1]Meredith/Boli and Associates, RCRA Facility Investigation (Phase III), Groundwater Investigation, January 11, 1993.

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GROUNDWATER SAMPLING

SAMPLE COLLECTION

Groundwater sampling by RUST Environment & Infrastructure (RUST, formerly SEC Donohue) was originally scheduled for January 7 and 8, 1993. However, no samples were recovered due to equipment problems.

Wells MW-04 and MW-05 were purged on January 11, 1993. Because of leaks in the bladder sampling pump air lines, the wells were not sampled that day. Following minor repair, MW-04 was sampled on January 13. MW-05 required removal of the well seal to repair the air line. MW-05 was repurged and sampled on January 22, 1993. Wells MW-01, MW-02 and MW-03 were purged and sampled on January 11, 12, and 13, 1993, respectively. Samples from MW-01 through MW-04 were shipped via overnight express to the analytical laboratories on January 13, 1993. MW-05 samples were shipped via overnight express on January 22, 1993.

Details of the field activities are described in a letter report from RUST dated February 4, 1993 (Attachment 1).

ANALYTICAL METHODS

On December 9, 1992, CWM submitted a letter to the US EPA and California EPA recommending a reduction from the initial RFI groundwater sampling analytical methods. Specifically, CWM recommended analyses for volatile halogenated organics (EPA Method 601), volatile aromatic organics (EPA Method 602), and volatile purgeable organics (EPA Method 624).

On December 29, 1992, Mr. Tom Kelly of US EPA verbally approved the reduction. California EPA approved the reduction in a letter dated January 7, 1993.

Samples from all five wells, the Duplicate from MW-03 and the Travel Blank accompanying MW-05 were analyzed by Methods 601, 602, and 624. The Travel Blank accompanying MW-01 and the Field Blank collected at MW-02 were analyzed by Methods 601 and 602. The Travel Blank accompanying MW-02 was analyzed by Method 624.

SAMPLE SHIPMENT AND CHAIN OF CUSTODY DOCUMENTATION

Groundwater samples intended for Methods 601 & 602 analyses were shipped according to chain of custody protocol via Federal Express overnight delivery to CalEnseco Laboratories of West Sacramento, California. CalEnseco was subcontracted by Waste Management Inc.'s Environmental Monitoring Laboratories (EML) of Geneva, Illinois, to perform Method 601 & 602 analyses. The following exceptions are noted:

- Three sample containers, AG2740-A2, -A3 (Method 602), and -B4 (Method 601), collected at MW-03 were inadvertently shipped to EML. (See Attachment 2, page 4 of 5; and "EML Comments" on the "Chain-of-Custody Record" for MW-03, accompanying analytical results in Attachment 3). EML trans-shipped these three containers to CalEnseco.

  Correspondence from CalEnseco (Attachment 4) regarding duplicate results, indicates that the trans-shipped sample containers were backup containers and were not needed for analyses.

- The ten samples containers from MW-01, bottle series AG2742, were shipped to CalEnseco along with series AG2739, AG2740, AG2741 and AG2744 in a single Aquapak. However, the RUST sampler failed to list series AG2742 on the chain of custody document (Attachment 2, page 5 of 5). Upon receipt, CalEnseco verified circumstances of the shipment and sampling times with RUST.

In response to errors in sample shipment and chain of custody protocol, the RUST Project Manager was informed of the errors and directed to design and implement quality procedures to eliminate these errors in future events, including positive verification of chain of custody documentation prior to shipment.

Samples intended for analyses according to Method 624 were shipped according to chain of custody protocol via Federal Express overnight delivery to EML. One preservation discrepancy was noted. The pH measurement was not less than 2 when checked at the lab for the Method 624 sample from MW-04. Sample containers are pre-filled with hydrochloric acid before shipment by the laboratory. There is no indicated reason for the elevated pH, nor the precise effect, if any on the analytical results.

GROUNDWATER ANALYTICAL RESULTS

Groundwater samples were analyzed by EML according to EPA Method 624. Analyses for xylenes and ketones (acetone, MEK, and MIBK), compounds detected in previous OSCO soil investigations, were included in the Method 624 analyses. Certified groundwater analytical results for MW-01 through MW-04 are presented in Attachment 3. MW-05 certified results are presented in Attachment 5.

The results of the analyses are summarized in Tables 1, 2, and 3, for Methods 601, 602, and 624, respectively. Compounds that were present at the highest concentrations were 1,1,1-Trichloroethane; 1,1-Dichloroethene; Tetrachloroethene; and Trichloroethene. Other compounds detected less frequently and at markedly lower concentrations were 1,1-Dichloroethane; 1,2-Dichloroethane; and Chlorobenzene. Xylenes and ketones were not detected.

Comparison of compounds detected by the different methods shows a good correlation for the actual compounds detected, although results from Method 601 generally showed higher concentrations than Method 624 results. For Method 624, higher contaminant concentrations for Tetrachloroethene and Trichloroethene at wells MW-02 and MW-04 required dilution of samples prior to analysis, masking contaminants that may have been present at lower concentrations.

QUALITY CONTROL RESULTS

Five quality control samples were collected in the field or provided by EML.

Duplicate at MW-03

Primary and duplicate samples were collected at well MW-03 and analyzed according to Methods 601, 602, and 624 (Attachment 3). No compounds were detected by Method 602 analysis in the primary or duplicate samples. Four compounds were detected by Method 624 in the primary and duplicate samples, with relative percent differences[2] (RPD) ranging from 4% to 11% (Table 4).

---

[2]RPD = |Primary - Duplicate| ÷ ((Primary + Duplicate)/2) x 100%

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detected in the duplicate sample. The RPD for the compounds detected in both the primary and duplicate samples ranged from 27% to 90% (Table 5). The RPD for two compounds detected only in the primary sample was 200%. A data quality review by CalEnseco (Attachment 4) did not reveal any calculation or transcription errors.
RUST verbally reported that primary and duplicate sample containers were filled in alternating order, resulting in sequential filling of containers AG2740-B1 and AG2741-B1. The cause of the distinctly higher concentrations in primary MW-03 sample for Method 601 could not be determined.

Field Blank Collected at MW-02

A Field Blank was collected at well MW-02 and analyzed according to Method 624 (Attachment 6). Contaminants were not detected in the Field Blank.

Travel Blanks

Travel Blanks accompanied samples from MW-01, MW-02, (Attachment 3) and MW-05 (Attachment 5). The MW-01 Travel Blank was analyzed by Methods 601 and 602. Contamination was not detected in the MW-01 Travel Blank. The MW-02 Travel Blank was analyzed by Method 624; contamination was not detected.

The MW-05 Travel Blank was analyzed by EPA Methods 601, 602, and 624. No contamination was detected by Methods 601 and 602. The results of Method 624 (Table 6) indicated the presence of 1,1,1-Trichloroethane (5 ug/l), Tetrachloroethene (37 ug/l), and Trichloroethene (15 ug/l).

In order to account for the detections in the MW-05 Travel Blank, an investigation of field and laboratory procedures was conducted. EML provided laboratory quality control results (Attachment 7). These results, including matrix spike and surrogate samples, did not indicate a laboratory contamination source. A possible field contamination source was identified by RUST (Attachment 8). According to RUST, the MW-05 Travel Blank container lid was loose and the container came in contact with water from the well.

In reaction to the MW-05 Travel Blank contamination, CWM has informed RUST of the contaminant detection and required RUST to:

- Verify the tightness of Travel Blank container lids when AquaPaks are

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- Verify the tightness of Travel Blank container lids when AquaPaks are checked-in and inspected (before containers are transported to the facility);
- Insure that surface water, well water, and precipitation are excluded from contact with any filled container; and
- Fully document, on the field forms, actions that potentially affect quality of any sample.

Since the compounds detected in the MW-05 Travel Blank were present at much higher concentrations than in the MW-05 groundwater sample, resampling of the well was not warranted.

GROUNDWATER LEVEL MEASUREMENTS

As recommended in the Final RFI Report, CWM instituted a program of frequent groundwater level measurements at the five onsite wells in late 1992. Water levels were measured on December 16, 21, 28, 1992; January 4, 11, 22; February 3 & 11, and March 1, 1993. The January 11 and 22 measurements were made in conjunction with the January 1993 Groundwater Sampling Event.

The groundwater level measuring system installed at the OSCO Facility utilizes dedicated "bubbler" tubes to measure the depth of submergence of the tube end. Groundwater elevation is calculated from the measured submergence and recorded elevation of the tube end. According to the manufacturer, the limit of accuracy of the system is 25 feet of submergence.

Because of seasonal precipitation and infiltration, groundwater elevations beneath the OSCO facility increased through January and February 1993. At the February 3 measurements, 25 feet of submergence was exceeded in MW-01, MW-02, MW-04, and MW-05. At the February 11 measurements, 25 feet of submergence was exceeded in all five wells. Therefore, these groundwater elevation data presented in Table 7 (and figures described below) are qualified.

The measurement system tubes in wells MW-01, MW-02, MW-04, and MW-05, were adjusted to less than 25 feet of submergence on March 1 and 2, 1992. MW-03 will be adjusted after back-ordered parts arrive.

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Figures 1 through 5 display groundwater elevation contours for December 21, 1992, January 22, February 3 , February 10, and March 1, 1993, respectively. The December and January contours illustrate a west-southwest gradient. The February 3 and 10 figures represent a transition, where gradient is shifting toward the southeast. The March 1 figure shows the southeastward gradient. Groundwater elevations increased approximately 20 feet during this period.

DATA ON ELECTRONIC MEDIA

Attachment 9 contains one 5¼-inch, double sided, high density, DOS compatible diskette containing 4 ASCII files. The file "OSCOANAL.TXT" contains the analytical results of the August 1992, September 1992, October 1992, and January 1993 Groundwater Quality Monitoring Events at OSCO. The file is fixed format, containing 3415 records, each with 22 fields. Table 8 is a description of the variable fields. Each record contains the analytical result for one chemical constituent. The file was downloaded from our GIS/Key environmental database software and may contain fields superfluous to the agencies' needs. Also note that trailing zeros in the "DETECTION LIMIT" field, which appeared in reporting limits in certified, printed reports, have been eliminated. Table 9 provides a printed example of the "OSCOANAL.TXT" variable-field structure.

The file "BLANKS.TXT" contains the results of Travel and Field Blank analyses, also downloaded from GIS/Key. The file contains the 453 records, each with 16 fixed length fields. Variable fields are described in Table 10. Table 11 provides a printed example of the "BLANKS.TXT" variable field structure.

Chemicals are identified in "OSCOANAL.TXT" and "BLANKS.TXT" by the Chemical Abstract Service (CAS) Registry Number, not by the chemical name. CAS numbers and associated chemical names are presented in the file "CASNUM.TXT". Table 12 describes the fields for the file "CASNUM.TXT". Table 13 provides a printed example of the "OSCOANAL.TXT" variable field structure.

Groundwater measurements are presented in "WATERLEV.TXT", through the March 1, 1993, measurement event. Table 14 describes the fields for the file "WATERLEV.TXT". Table 15 provides a printed example of the "OSCOANAL.TXT" variable field structure.

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system design to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violation.

Please do not hesitate to call me at (510) 651-2964 if you have any questions.

Sincerely,

CHEMICAL WASTE MANAGEMENT, INC.

Marc Yalom, R.G.
Group Hydrogeologist
Treatment and Land Disposal Operations Group

Attachments (9)

/miy

cc: Director, Los Angeles Regional Water Quality Control Board

TABLES

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TABLE 1

CHEMICAL WASTE MANAGEMENT, INC.

OSCO FACILITY

SUMMARY OF ANALYTICAL RESULTS

JANUARY 1993 MONITORING EVENT

EPA Method 601

SITE	DATE	1,1,1-trichloro ethane ug/l	1,1-Dichloro ethane ug/l	1,1-Dichloro ethene ug/l	1,2-Dichloro ethane ug/l	Tetrachloro ethene ug/l	Trichloroethene ug/l
MW-01	01/11/93	43	<5	43	<5	120	150
MW-02	01/12/93	160	<5	140	<5	720	890
MW-03	01/13/93	200	8.4	160	7.1	290	580
MW-04	01/13/93	240	10	140	14	990	470
MW-05	01/22/93	360	26	190	28	790	920

< = Not detected at indicated reporting limit --- = Not sampled and/or analyzed Values represent total concentrations unless noted

Hits only # = Highest of Multiple Results ??? = Duplicate Results

TABLE 2

CHEMICAL WASTE MANAGEMENT, INC.

OSCO FACILITY

SUMMARY OF ANALYTICAL RESULTS

JANUARY 1993 MONITORING EVENT

EPA Method 602

SITE	DATE	Chlorobenzene ug/l
MW-01	01/11/93	<0.5
MW-02	01/12/93	<0.5
MW-03	01/13/93	<0.5
MW-04	01/13/93	<0.5
MW-05	01/22/93	1.5

< = Not detected at indicated reporting limit --- = Not sampled and/or analyzed Values represent total concentrations unless noted

Hits only # = Highest of Multiple Results ??? = Duplicate Results

TABLE 3

CHEMICAL WASTE MANAGEMENT, INC.

OSCO FACILITY

SUMMARY OF ANALYTICAL RESULTS

JANUARY 1993 MONITORING EVENT

EPA Method 624

SITE	DATE	1,1,1-trichloro ethane ug/l	1,1-Dichloro ethane ug/l	1,1-Dichloro ethene ug/l	1,2-Dichloro ethane ug/l	Tetrachloro ethene ug/l	Trichloroethene ug/l
MW-01	01/11/93	<35.7	<35.7	61.	<35.7	140.	190.
MW-02	01/12/93	<166.65	<166.65	<166.65	<166.65	750.	1200.
MW-03	01/13/93	73.	<50	57.	<50	270.	220.
MW-04	01/13/93	<166.65	<166.65	<166.65	<166.65	820.	420.
MW-05	01/22/93	290.	22.	47.	23.	310.	210.

< = Not detected at indicated reporting limit --- = Not sampled and/or analyzed Values represent total concentrations unless noted

Hits only # = Highest of Multiple Results ??? = Duplicate Results

TABLE 4

CHEMICAL WASTE MANAGEMENT, INC.

OSCO FACILITY

SUMMARY OF QUALITY CONTROL RESULTS

JANUARY 1993 MONITORING EVENT

EPA Method 624 - Duplicates

SAMPLE INFORMATION	PRIMARY SAMPLE	FIRST DUPLICATE	SECOND DUPLICATE	THIRD DUPLICATE	FOURTH DUPLICATE	PRECISION SUMMARY	
SITE	MW-03	MW-03				RELATIVE PERCENT DIFFERENCE (RPD)	
FIELD SAMPLE NO	AG2740	AG2741					
LAB CODE	EML	EML					
LAB SAMPLE NO	AG2740	AG2741					
CASE NO	93Q1	93Q1					
SDG NO	AQUAPAK 1098	AQUAPAK 1098				RPD MEASURED	RPD GOAL
BATCH NO	93-10060	93-10060					
COMPOUNDS UNITS ->	ug/l	ug/l				%	%
1,1,1-Trichloroethane	73.	70.				4	20
1,1-Dichloroethene	57.	54.				5	20
Tetrachloroethene	270.	300.				11	20
Trichloroethene	220.	210.				5	20

( ) = Reported at less than detection limit, Hits only

TABLE 5

CHEMICAL WASTE MANAGEMENT, INC.

OSCO FACILITY

SUMMARY OF QUALITY CONTROL RESULTS

JANUARY 1993 MONITORING EVENT

EPA Method 601 - Duplicates

	SAMPLE INFORMATION	PRIMARY SAMPLE	FIRST DUPLICATE	SECOND DUPLICATE	THIRD DUPLICATE	FOURTH DUPLICATE	PRECISION SUMMARY	
	SITE	MW-03	MW-03				RELATIVE PERCENT DIFFERENCE (RPD)	
	FIELD SAMPLE NO	AG2740	AG2741					
	LAB CODE	ENSEC	ENSEC					
	LAB SAMPLE NO	AG2740	AG2741					
	CASE NO	93Q1	93Q1					
	SDG NO	AQUAPAK 1098	AQUAPAK 1098				RPD MEASURED	RPD GOAL
	BATCH NO	93-10060	93-10060					
COMPOUNDS	UNITS ->	ug/l	ug/l				%	%
1,1,1-Trichloroethane		200	84				82	20
1,1-Dichloroethane		8.4	<5				200	20
1,1-Dichloroethene		160	76				71	20
1,2-Dichloroethane		7.1	<5				200	20
Tetrachloroethene		290	380				27	20
Trichloroethene		580	220				90	20

( ) = Reported at less than detection limit, Hits only

TABLE 6

CHEMICAL WASTE MANAGEMENT, INC.

OSCO FACILITY

SUMMARY OF QUALITY CONTROL RESULTS

JANUARY 1993 MONITORING EVENT

EPA Method 624 - Travel Blanks

	BLANK TYPE	Travel	Travel				
	FIELD ID	AG4169	AG2739				
	LAB ID	AG4169	AG2739				
	LAB CODE	EML	EML				
	CASE NO	93Q1	93Q1				
	SDG NO	AQUAPAK 2028	AQUAPAK 672				
	BATCH NO	93-10314	93-10060				
COMPOUNDS	UNITS ->	ug/l	ug/l				
1,1,1-Trichloroethane		5.	<5				
Tetrachloroethene		37.	<5				
Trichloroethene		15.	<5				

1) AG2739: Travel Blank associated with MW-02

2) AG4169: Travel Blank associated with MW-05

Hits only

TABLE 7

CHEMICAL WASTE MANAGEMENT, INC.
OSCO FACILITY
GROUNDWATER ELEVATION MEASUREMENTS

SITE	DATE	MP ELEVATION feet(2)	TIME	DEPTH TO WATER feet	△ WATER ELEV(1) feet	WATER ELEV. feet(2)
MW-01	08/10/92	529.20	11:00	276.30	N/A	252.90
MW-01	09/10/92	529.20	16:03	282.67	-6.37	246.53
MW-01	09/18/92	529.20	00:00	284.00	-1.33	245.20
MW-01	10/13/92	529.20	08:55	287.15	-3.15	242.05
MW-01	10/23/92	529.20	00:00	287.80	-.65	241.40
MW-01	11/10/92	529.20	00:00	288.53	-.73	240.67
MW-01	12/16/92	529.20	09:20	284.31	4.22	244.89
MW-01	12/21/92	529.20	11:17	283.33	.98	245.87
MW-01	12/28/92	529.20	13:12	282.05	1.28	247.15
MW-01	01/04/93	529.20	13:02	281.09	.96	248.11
MW-01	01/11/93	529.20	11:55	280.21	.88	248.99
MW-01	01/22/93	529.20	12:13	275.62	4.59	253.58
MW-01	02/03/93	529.20	15:10	271.51	4.11	257.69
MW-01	02/10/93	529.20	15:15	272.56	-1.05	256.64
MW-01	03/01/93	529.20	00:00	260.50	12.06	268.70
MW-02	08/10/92	525.58	10:00	273.46	N/A	252.12
MW-02	09/10/92	525.58	12:45	276.26	-2.80	249.32
MW-02	09/18/92	525.58	00:00	277.54	-1.28	248.04
MW-02	10/12/92	525.58	13:50	281.14	-3.60	244.44
MW-02	10/23/92	525.58	00:00	281.92	-.78	243.66
MW-02	11/10/92	525.58	00:00	282.85	-.93	242.73
MW-02	12/16/92	525.58	08:58	278.68	4.17	246.90
MW-02	12/21/92	525.58	14:08	278.23	.45	247.35
MW-02	12/28/92	525.58	14:07	276.47	1.76	249.11
MW-02	01/04/93	525.58	13:56	275.50	.97	250.08
MW-02	01/12/93	525.58	09:35	274.44	1.06	251.14
MW-02	01/22/93	525.58	13:56	270.23	4.21	255.35
MW-02	02/03/93	525.58	12:50	266.33	3.90	259.25
MW-02	02/10/93	525.58	12:55	270.02	-3.69	255.56
MW-02	03/01/93	525.57	00:00	258.83	11.19	266.74
MW-03	08/10/92	518.93	13:10	266.41	N/A	252.52
MW-03	09/10/92	518.93	12:15	272.85	-6.44	246.08
MW-03	09/18/92	518.93	00:00	274.22	-1.37	244.71
MW-03	10/12/92	518.93	15:45	277.23	-3.01	241.70

1) Change in Water Elevation since last measurement
2) Mean Sea Level
3) 00:00 - Time of measurement not recorded

TABLE 7

CHEMICAL WASTE MANAGEMENT, INC.
OSCO FACILITY
GROUNDWATER ELEVATION MEASUREMENTS

SITE	DATE	MP ELEVATION feet(2)	TIME	DEPTH TO WATER feet	△ WATER ELEV(1) feet	WATER ELEV. feet(2)
MW-03	10/23/92	518.93	00:00	278.01	-.78	240.92
MW-03	12/21/92	518.93	13:49	273.40	4.61	245.53
MW-03	12/28/92	518.93	12:29	272.22	1.18	246.71
MW-03	01/04/93	518.93	12:38	271.27	.95	247.66
MW-03	01/13/93	518.93	14:45	269.68	1.59	249.25
MW-03	01/22/93	518.93	12:38	265.71	3.97	253.22
MW-03	02/03/93	518.93	12:25	260.69	5.02	258.24
MW-03	02/10/93	518.93	13:45	259.83	.86	259.10
MW-04	08/13/92	520.36	10:00	268.10	N/A	252.26
MW-04	09/11/92	520.36	10:45	274.37	-6.27	245.99
MW-04	09/18/92	520.36	00:00	275.71	-1.34	244.65
MW-04	10/13/92	520.36	12:08	278.93	-3.22	241.43
MW-04	10/23/92	520.36	00:00	279.61	-.68	240.75
MW-04	11/10/92	520.36	00:00	280.38	-.77	239.98
MW-04	12/16/92	520.36	09:40	276.13	4.25	244.23
MW-04	12/21/92	520.36	12:49	275.04	1.09	245.32
MW-04	12/28/92	520.36	13:29	273.85	1.19	246.51
MW-04	01/04/93	520.36	13:35	272.84	1.01	247.52
MW-04	01/11/93	520.36	16:08	271.94	.90	248.42
MW-04	01/22/93	520.36	13:35	267.72	4.22	252.64
MW-04	02/03/93	520.36	14:35	262.59	5.13	257.77
MW-04	02/10/93	520.36	14:50	262.35	.24	258.01
MW-04	03/01/93	520.36	00:00	252.50	9.85	267.86
MW-05	08/13/92	519.57	09:20	268.62	N/A	250.95
MW-05	09/10/92	519.57	08:50	273.37	-4.75	246.20
MW-05	09/18/92	519.57	00:00	274.75	-1.38	244.82
MW-05	10/13/92	519.57	10:50	278.15	-3.40	241.42
MW-05	10/23/92	519.57	00:00	278.85	-.70	240.72
MW-05	11/10/92	519.57	00:00	279.66	-.81	239.91
MW-05	12/16/92	519.57	09:59	275.45	4.21	244.12
MW-05	12/21/92	519.57	12:28	274.42	1.03	245.15
MW-05	12/28/92	519.57	13:45	273.20	1.22	246.37
MW-05	01/04/93	519.57	13:19	272.20	1.00	247.37
MW-05	01/11/93	519.57	14:12	271.33	.87	248.24

1) Change in Water Elevation since last measurement
2) Mean Sea Level
3) 00:00 - Time of measurement not recorded

TABLE 7

CHEMICAL WASTE MANAGEMENT, INC.
OSCO FACILITY
GROUNDWATER ELEVATION MEASUREMENTS

SITE	DATE	MP ELEVATION feet(2)	TIME	DEPTH TO WATER feet	△ WATER ELEV(1) feet	WATER ELEV. feet(2)
MW-05	01/22/93	519.57	13:19	267.12	4.21	252.45
MW-05	02/03/93	519.57	13:55	263.42	3.70	256.15
MW-05	02/10/93	519.57	14:20	263.25	.17	256.32
MW-05	03/01/93	519.57	00:00	252.81	10.44	266.76

1) Change in Water Elevation since last measurement
2) Mean Sea Level
3) 00:00 - Time of measurement not recorded

TABLE 8
DATA FIELD DEFINITION

"OSCOANAL.TXT"

VARIABLE FIELD	COL	EXPLANATION	OPTIONS
SITE ID	15	Sample Source (i.e., well)	MW-01 MW-02 MW-03 MW-04 MW-05 (all left justified)
SAMPLE DATE	8	Sample Date	YYYYMMDD
SAMPLE TIME	5	Sample Time (24 hour clock)	HH:MM
TEMPLATE CONSTITUENT LIST	10	Code for laboratory and test method	EML - WMI Environmental Monitoring Laboratories ENSECO - CalEnseco 608 = Method 608 627 = Method 627 TOC = Method 9060 VOCS = Method 624 ICP = Method 6010 LEAD = Method 7421 COLDVAP = Method 7470 GFAA = Method 7060 601 = Method 601 602 = Method 602
REPLICATE	2	Result is a Primary (P0) result or a Replicate result	Column 1: P = Primary D = Duplicate S = Split Column 2: # = Replicate number (0-9)
SEQUENCE NUMBER	3	Order the constituent appears in the TEMPLATE CONSTITUENT LIST	1-999
CHEMICAL ABSTRACT NUMBER	11	Chemical Abstract Service (CAS) Registry Number	######-##-#
ALIAS NUMBER	2	GIS/Key Internal Reference	1 - 99
UNITS	5		ug/l mg/l

PREPARATION FRACTION CODE	1		T = Total D = Dissolved
CONCENTRATION	11	Analytical Result	Left Justified Character String, blank = Not Detected
DETECTION LIMIT	10		Left Justified character string
DETECTION LIMIT FLAG	1		blank = Detected at greater than or equal to Detection Limit "<" = Not Detected
CRC	1	EPA CLP Concentration Qualification Code	Not Used by OSCO Labs
CRM	2	EPA CLP Method Qualification Code	Not Used by OSCO Labs
CRQ	2	EPA CLP Data Quality Qualification Code	Not Used by OSCO Labs
LAB REVIEW QUALIFIER	2	Qualifier Class	A = EML Qualifiers
LAB REVIEW CODE 1	2	Qualifier	See EML Qualifier List
LAB REVIEW CODE 2	2	Qualifier	See EML Qualifier List
LAB REVIEW CODE 3	2	Qualifier	See EML Qualifier List
CERTIFIED	1		blank
PROGRAM TYPE	1		A = Routine Monitoring

Table 8 Concluded

TABLE 9
SUMMARY FILE EXAMPLE

"OSCOANAL.TXT"

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
MW-01	1992081011:40EMLVOCS			P0	15	74-83-9		2ug/l	T		50	<					HSMX				A
MW-01	1992081011:40EMLVOCS			P0	16	56-23-5		0ug/l	T		10	<					HSMX				A
MW-01	1992081011:40EMLVOCS			P0	17	108-90-7		0ug/l	T		50	<					HSMX				A
MW-01	1992081011:40EMLVOCS			P0	18	75-00-3		0ug/l	T		100	<					HSMX				A
MW-01	1992081011:40EMLVOCS			P0	19	67-66-3		0ug/l	T		50	<					HSMX				A
MW-01	1992081011:40EMLVOCS			P0	20	74-87-3		2ug/l	T		100	<					HSMX				A
MW-01	1992081011:40EMLVOCS			P0	21	10061-01-5		0ug/l	T		50	<					HSMX				A
MW-01	1992081011:40EMLVOCS			P0	22	124-48-1		0ug/l	T		50	<					HSMX				A
MW-01	1992081011:40EMLVOCS			P0	23	100-41-4		0ug/l	T		50	<					HSMX				A
MW-01	1992081011:40EMLVOCS			P0	24	75-09-2		0ug/l	T		50	<					HSMX				A
MW-01	1992081011:40EMLVOCS			P0	25	127-18-4		2ug/l	T320		50						HSMX				A
MW-01	1992081011:40EMLVOCS			P0	26	108-88-3		0ug/l	T		50	<					HSMX				A
MW-01	1992081011:40EMLVOCS			P0	27	156-60-5		1ug/l	T		50	<					HSMX				A
MW-01	1992081011:40EMLVOCS			P0	28	10061-02-6		0ug/l	T		50	<					HSMX				A
MW-01	1992081011:40EMLVOCS			P0	29	79-01-6		3ug/l	T280		50						HSMX				A
MW-01	1992081011:40EMLVOCS			P0	30	75-69-4		0ug/l	T		50	<					HSMX				A
MW-01	1992081011:40EMLVOCS			P0	31	75-01-4		0ug/l	T		100	<					HSMX				A
MW-01	1992081011:40EMLVOCS			P0	32	1330-20-7		7ug/l	T		50	<					HSMX				A
MW-01	1992081011:40EMLVOCS			P0	33	78-93-3		2ug/l	T		100	<					HSMX				A
MW-01	1992081011:40EMLVOCS			P0	34	108-10-1		4ug/l	T		100	<					HSMX				A
MW-01	1992081011:40EMLVOCS			P0	35	67-64-1		0ug/l	T		340	<					HSMX				A
MW-01	1992081011:40EMLVOCS			P0	36	95-47-6		0ug/l	T		50	<					HSMX				A
MW-01	1992081011:40ENSECO601			P0	1	71-55-6		0ug/l	T92		5						NQSB				A
MW-01	1992081011:40ENSECO601			P0	2	79-34-5		0ug/l	T		5	<									A
MW-01	1992081011:40ENSECO601			P0	3	79-00-5		0ug/l	T		5	<									A
MW-01	1992081011:40ENSECO601			P0	4	75-34-3		0ug/l	T		5	<									A
MW-01	1992081011:40ENSECO601			P0	5	75-35-4		5ug/l	T		5	<									A
MW-01	1992081011:40ENSECO601			P0	6	95-50-1		0ug/l	T		5	<									A
MW-01	1992081011:40ENSECO601			P0	7	107-06-2		0ug/l	T		5	<									A

Variable Fields:

1-SITE ID
2-SAMPLE DATE
3-SAMPLE TIME
4-TEMPLATE CONSTITUENT LIST
5-REPLICATE
6-SEQUENCE NUMBER
7-CAS NUMBER
8-ALIAS NUMBER
9-UNITS
10-PREPARATION FRACTION CODE
11-CONCENTRATION
12-DETECTION LIMIT
13-DETECTION LIMIT FLAG
14-CRC
15-CRM
16-CRQ
17-LAB REVIEW QUALIFIER
18-LAB REVIEW CODE 1
19-LAB REVIEW CODE 220-LAB REVIEW CODE 3
21-CERTIFIED
22-PROGRAM

TABLE 10
DATA FIELD DEFINITION

"BLANKS.TXT"

VARIABLE FIELD	COL	EXPLANATION	OPTIONS
SAMPLE TYPE	1		W = (Ground)water
TEMPLATE CONSTITUENT LIST	10	Code for laboratory and test method	EML - WMI Environmental Monitoring Laboratories ENSECO - CalEnseco VOCS = Method 624 601 = Method 601 602 = Method 602
REPLICATE	2	Result is a Primary (P0) result or a Replicate result	Generally blank, Column 1: P = Primary D = Duplicate S = Split Column 2: # = Replicate number (0-9)
BLANK TYPE	2	X#	X: T = Travel F = Field #: Series number
CASE ID	5	EPA QC Protocol, OSCO uses YYX#	YY: Year X: M - Monthly Q - Quarterly #: count
SAMPLE DEFINITION GROUP	15	EPA QC Protocol, OSCO uses AquaPak Number	
QA/QC ID	8	EPA QC Protocol OSCO uses month/year or Year/Freq/code	
CHEMICAL ABSTRACT NUMBER	11	Chemical Abstract Service (CAS) Registry Number	######-##-#
ALIAS NUMBER	2	GIS/Key Internal Reference	1 - 99
CONCENTRATION	11	Analytical Result	Left justified character string; blank = Not Detected

UNITS	5		ug/l mg/l
SEQUENCE NUMBER	3	Order the constituent appears in the TEMPLATE CONSTITUENT LIST	1-999
PREPARATION FRACTION CODE	1		T = Total D = Dissolved
DETECTION LIMIT	10		Left justified character string
DETECTION LIMIT FLAG	1		blank = Detected at greater than or equal to Detection limit "<" = Not Detected
PROGRAM TYPE	1		A = Routine Monitoring

Table 10 Concluded

TABLE 11
SUMMARY FILE EXAMPLE

"BLANKS.TXT"

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	71-55-6	0		ug/l		1T5			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	79-34-5	0		ug/l		2T5			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	79-00-5	0		ug/l		3T5			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	75-34-3	0		ug/l		4T5			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	75-35-4	5		ug/l		5T5			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	95-50-1	2		ug/l		6T10			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	107-06-2	0		ug/l		7T5			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	78-87-5	0		ug/l		8T5			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	541-73-1	2		ug/l		9T10			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	106-46-7	3		ug/l		10T10			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	110-75-8	2		ug/l		11T20			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	71-43-2	0		ug/l		12T5			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	75-27-4	0		ug/l		13T5			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	75-25-2	0		ug/l		14T5			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	74-83-9	2		ug/l		15T10			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	56-23-5	0		ug/l		16T5			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	108-90-7	0		ug/l		17T5			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	75-00-3	0		ug/l		18T10			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	67-66-3	0		ug/l		19T5			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	74-87-3	2		ug/l		20T10			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	10061-01-5	0		ug/l		21T5			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	124-48-1	0		ug/l		22T5			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	100-41-4	0		ug/l		23T5			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	75-09-2	0		ug/l		24T5			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	127-18-4	2		ug/l		25T5			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	108-88-3	0		ug/l		26T5			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	156-60-5	1		ug/l		27T10			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	10061-02-6	0		ug/l		28T5			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	79-01-6	3		ug/l		29T5			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	75-69-4	0		ug/l		30T10			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	75-01-4	0		ug/l		31T10			<A
WEMLVOCS		T192M1		AQUAPAK 003		AUG92	1330-20-7	7		ug/l		32T10			<A
WENSEC0601		T192M1		AQUAPAK 003		AUG92	71-55-6	0		ug/l		1T5			<A

Variable Fields:

1-SAMPLE TYPE
2-TEMPLATE CONSTITUENT LIST
3-REPLICATE
4-BLANK TYPE
5-CASE ID
6-SAMPLE DEFINITION GROUP
7-QA/QC ID
8-CAS NUMBER
9-ALIAS NUMBER
10-CONCENTRATION
11-UNITS
12-SEQUENCE NUMBER
13-PREPARATION FRACTION CODE
14-DETECTION LIMIT
15-DETECTION LIMIT FLAG
16-PROGRAM TYPE

TABLE 12
DATA FIELD DEFINITION

"CASNUM.TXT"

VARIABLE FIELD	COL	EXPLANATION	OPTIONS
CAS NUMBER	11	Chemical Abstract Service (CAS) Registry Number	Generally ######-##-#, however, pseudonyms will begin "GIS".
ALIAS NUMBER	2	Number for Chemical Name Alias	Up to 99 different names for the same chemical (CAS).
CHEMICAL NAME	40	Chemical Name Alias	One of up to 99 alias names.

TABLE 13
SUMMARY FILE EXAMPLE

"CASNUM.TXT"

1	2	3
50-00-0	0	Formaldehyde
50-00-0	1	Methanal
50-00-0	2	Methylene oxide
50-00-0	3	Formalin
50-06-6	0	Phenobarbitol
50-06-6	1	Barbituric acid, 5-ethyl-5-phenyl
50-07-7	0	Mitomycin C
50-14-6	0	Calciferol
50-14-6	1	Vitamin D2
50-14-6	2	Ergocalciferol
50-18-0	0	Cyclophosphamide
50-29-3	0	4,4'-DDT
50-29-3	1	Dichlorodiphenyltrichloroethane
50-29-3	2	DDT
50-32-8	0	Benzo(a)pyrene
50-32-8	1	3,4-Benzopyrene
50-32-8	2	Benzo[a]pyrene (BaP)
50-55-5	0	Reserpine
50-76-0	0	Actinomycin D
51-21-8	0	Fluorouracil
51-21-8	1	Uracil, 5-fluoro-
51-21-8	2	2,4(1H,3H)-Pyrimidinedione, 5-fluoro-
51-28-5	0	2,4-Dinitrophenol
51-28-5	1	Phenol, 2,4-dinitro-
51-28-5	2	Dinitrophenol~ 2,4-
51-43-4	0	Epinephrine
51-43-4	1	Adrenalin
51-44-5	0	3,4-Dichlorobenzoic acid
51-52-5	0	Uracil, 6-propyl-2-thio-
51-52-5	1	Propylthiouracil
51-75-2	4	Chloramin
51-83-2	1	Choline chloride, carbamate
52-24-4	0	Triethylenethiophosphoramide
52-24-4	1	Tris(1-aziridinyl)phosphine sulfide
GIS-310-060	0	Adipates

Variable Fields:

1-CAS NUMBER 2-ALIAS NUMBER 3-CHEMICAL NAME

TABLE 14
DATA FIELD DEFINITION

"WATERLEV.TXT"

VARIABLE FIELD	COL	EXPLANATION	OPTIONS
SITE ID	15	Measurement Source (i.e., Well)	MW-01 MW-02 MW-03 MW-04 MW-05 (all left justified)
DATE OF MEASUREMENT	8	Measurement Date	YYYYMMDD
TIME OF MEASUREMENT	5	Measurement Time (24-hour clock)	HH:MM 00:00 = Not Recorded
DEPTH TO WATER	7	Depth in feet to 2 decimal places	####.##
MEASUREMENT REFERENCE ELEVATION	8	Elevation MSL in feet to 2 decimal places	#####.##

TABLE 15
SUMMARY FILE EXAMPLE

"WATERLEV.TXT"

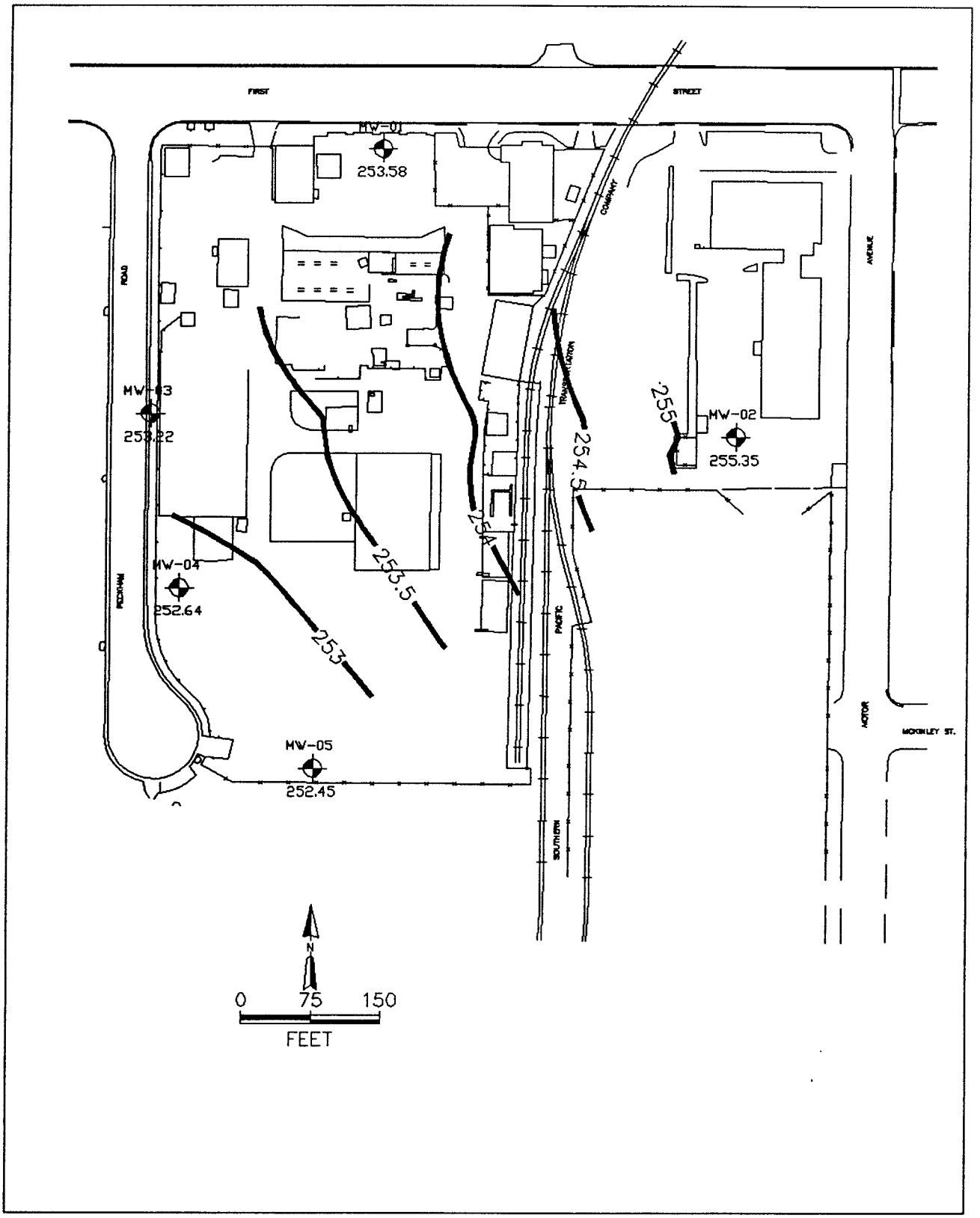
1	2	3	4	5
MW-01	1992081011:00		276.30	529.20
MW-01	1992091016:03		282.67	529.20
MW-01	1992091800:00		284.00	529.20
MW-01	1992101308:55		287.15	529.20
MW-01	1992102300:00		287.80	529.20
MW-01	1992111000:00		288.53	529.20
MW-01	1992121609:20		284.31	529.20
MW-01	1992122111:17		283.33	529.20
MW-01	1992122813:12		282.05	529.20
MW-01	1993010413:02		281.09	529.20
MW-01	1993011111:55		280.21	529.20
MW-01	1993012212:13		275.62	529.20
MW-01	1993020315:10		271.51	529.20
MW-01	1993021015:15		272.56	529.20
MW-01	1993030100:00		260.50	529.20
MW-02	1992081010:00		273.46	525.58
MW-02	1992091012:45		276.26	525.58
MW-02	1992091800:00		277.54	525.58
MW-02	1992101213:50		281.14	525.58
MW-02	1992102300:00		281.92	525.58
MW-02	1992111000:00		282.85	525.58
MW-02	1992121608:58		278.68	525.58
MW-02	1993012213:56		270.23	525.58
MW-02	1993020312:50		266.33	525.58
MW-02	1993021012:55		270.02	525.58
MW-02	1993030100:00		258.83	525.57
MW-03	1992081013:10		266.41	518.93
MW-03	1992091012:15		272.85	518.93
MW-03	1992091800:00		274.22	518.93
MW-03	1992101215:45		277.23	518.93
MW-03	1992102300:00		278.01	518.93
MW-03	1992122113:49		273.40	518.93
MW-03	1992122812:29		272.22	518.93
MW-03	1993010412:38		271.27	518.93
MW-04	1992081310:00		268.10	520.36
MW-04	1992091110:45		274.37	520.36

Variable Fields:

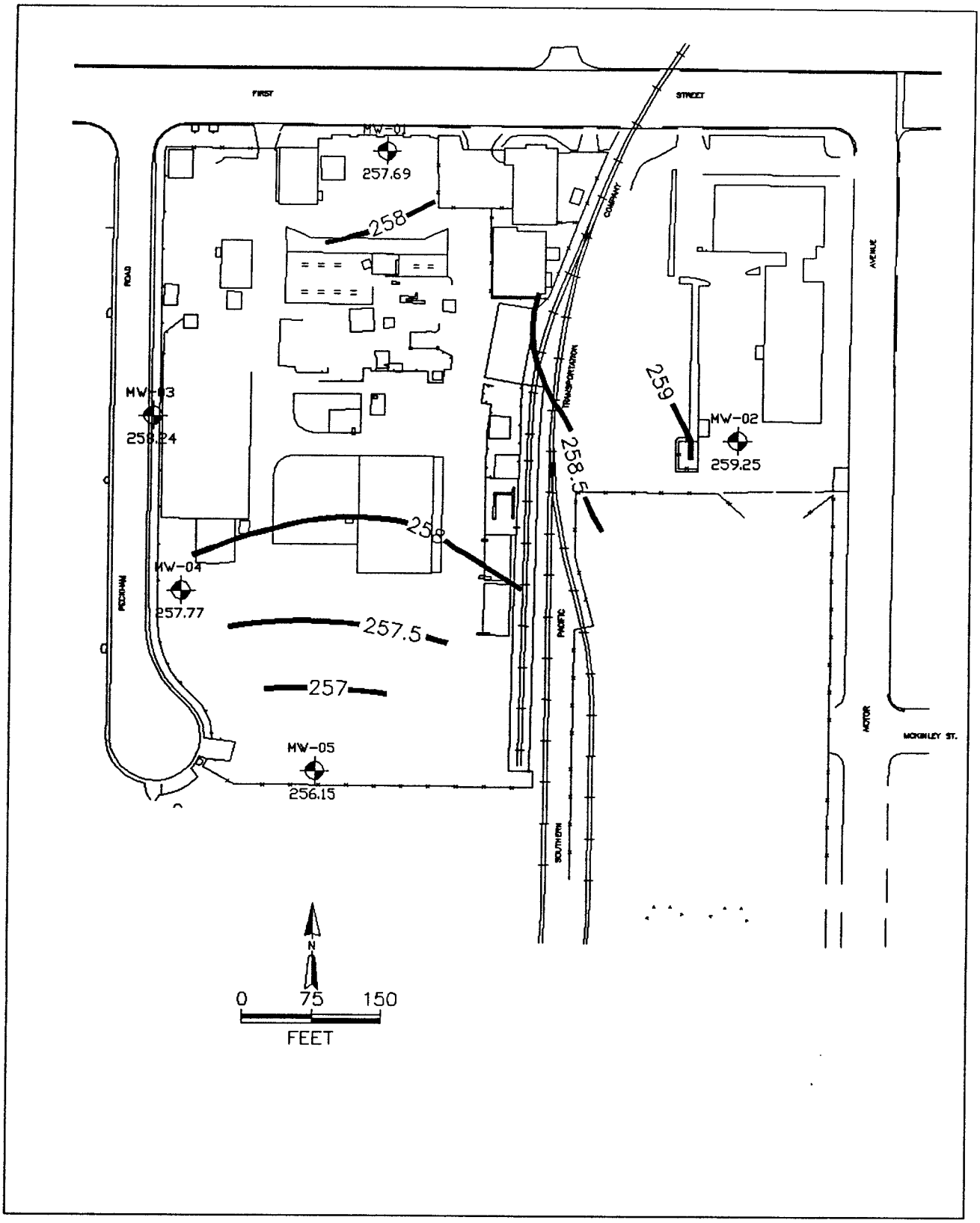
1-SITE ID
2-DATE OF MEASUREMENT
3-TIME OF MEASUREMENT
4-DEPTH TO WATER
5-MEASUREMENT REFERENCE ELEVATION

FIGURES

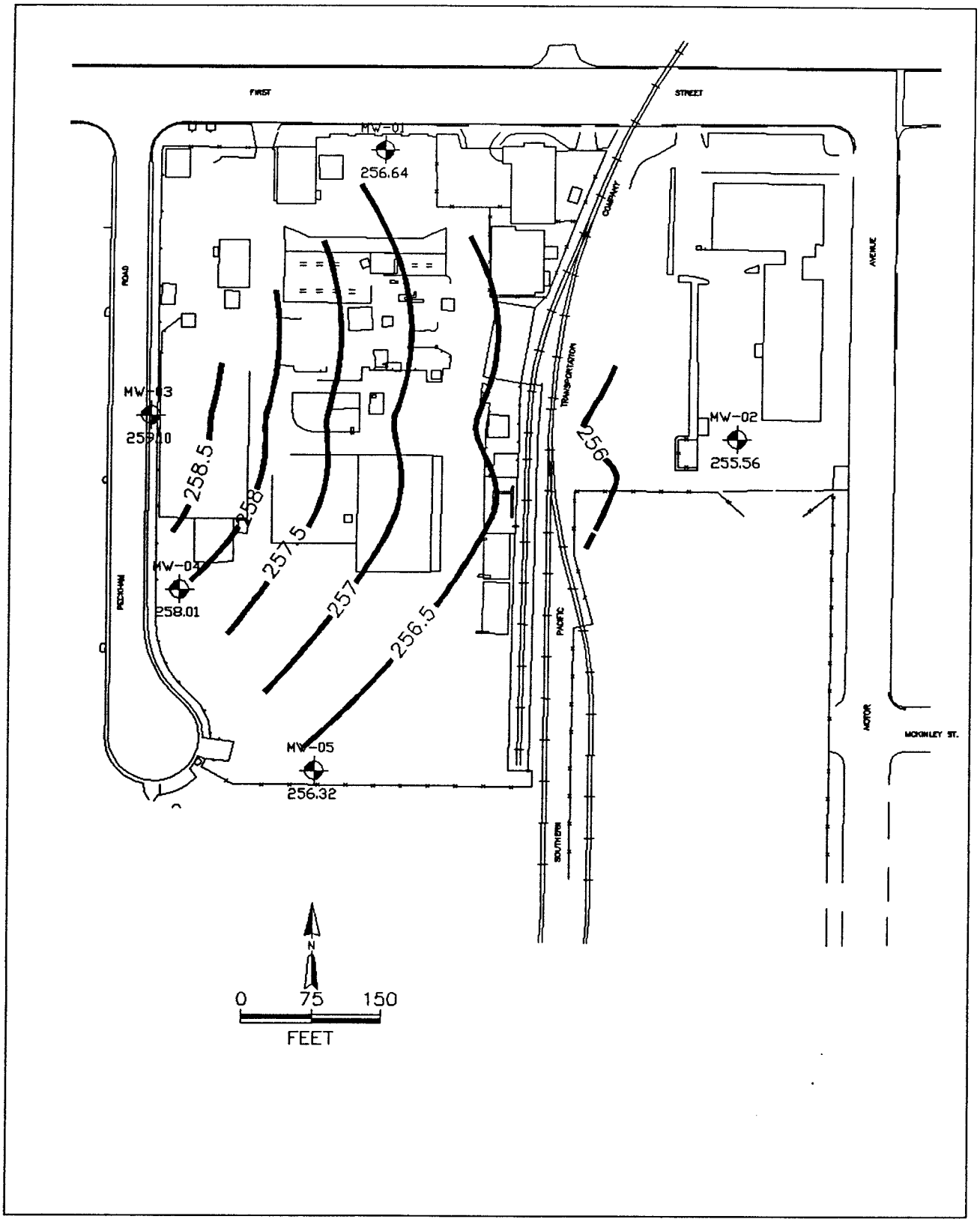
Printed on recycled paper



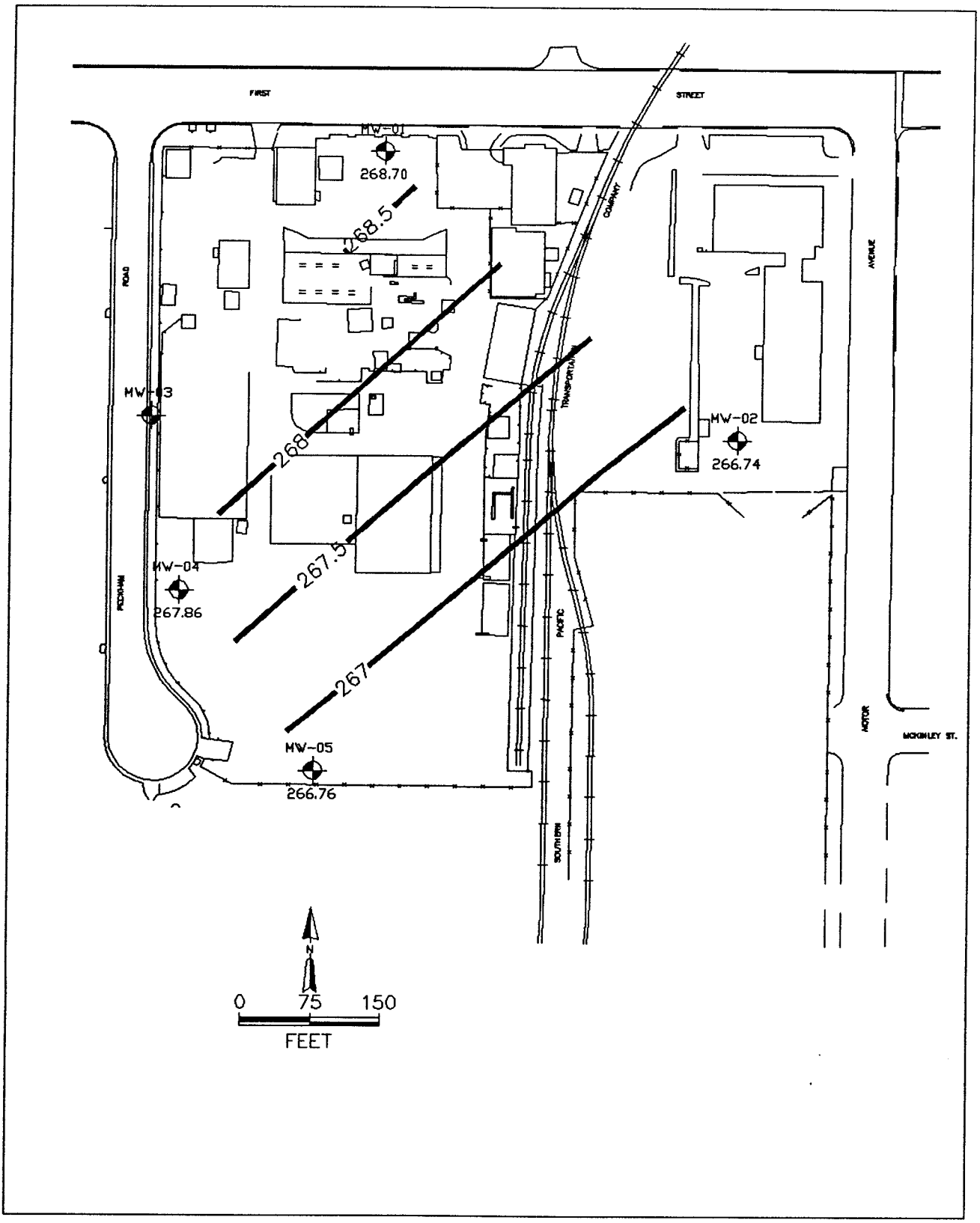
CHEMICAL WASTE MANAGEMENT, INC. OSCO FACILITY Azusa, California	TITLE: GROUNDWATER ELEVATION CONTOURS January 22, 1993	DWN: MIY	DES.: MIY	PROJECT NO.: 68868803	
		CHKD: MIY	APPD: MIY	FIGURE NO.: 2	
		DATE: 3/10/93	REV.: 0		



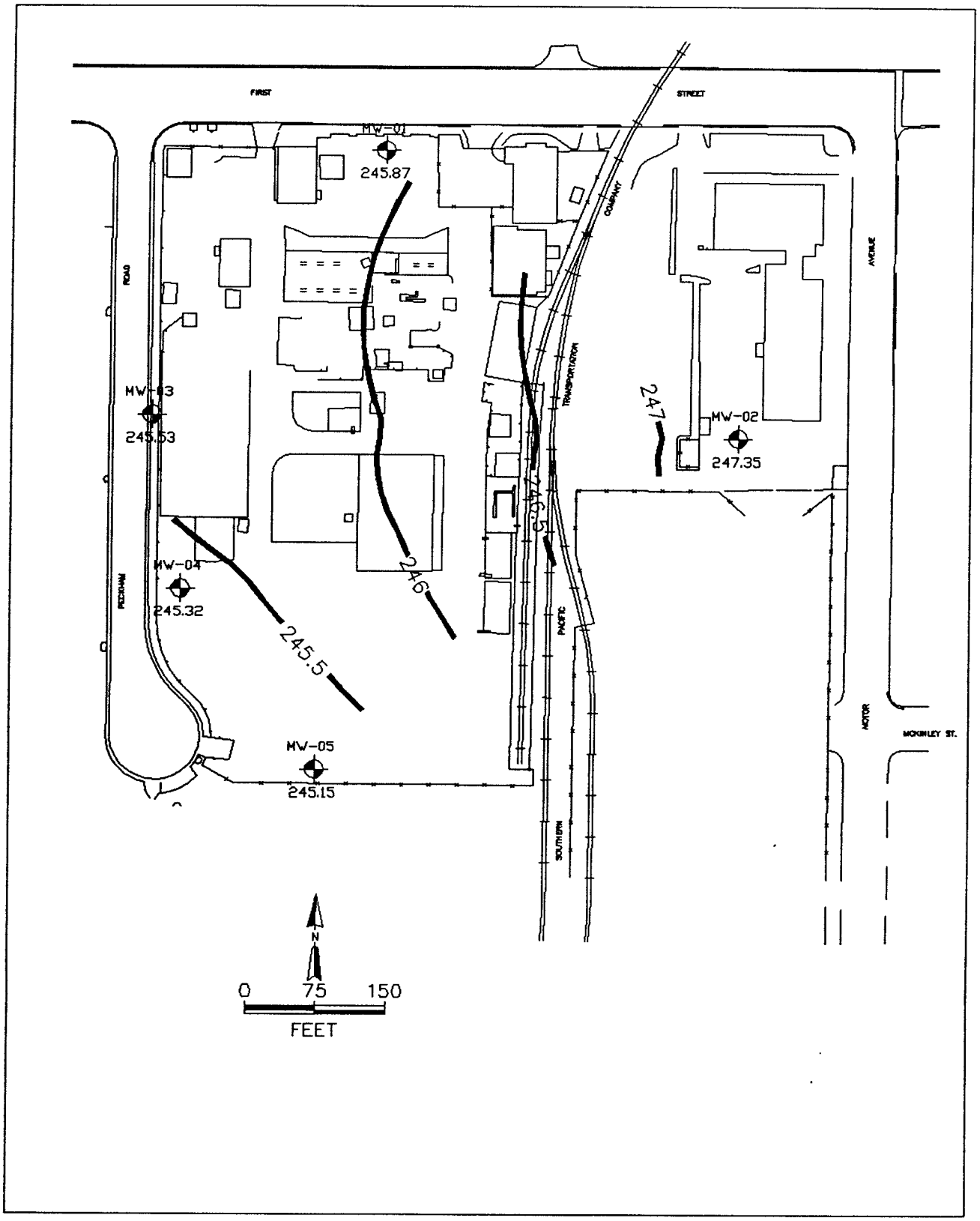
CHEMICAL WASTE MANAGEMENT, INC. OSCO FACILITY Azusa, California	TITLE: GROUNDWATER ELEVATION CONTOURS February 3, 1993	DWN: MIY	DES.: MIY	PROJECT NO.: 68868803	
		CHKD: MIY	APPD: MIY		
		DATE: 3/10/93	REV.: 0	FIGURE NO.: 3	



CHEMICAL WASTE MANAGEMENT, INC. OSCO FACILITY Azusa, California	TITLE: GROUNDWATER ELEVATION CONTOURS February 10, 1993	DWN: MIY	DES.: MIY	PROJECT NO.: 68868803	
		CHKD: MIY	APPD: MIY	FIGURE NO.: 4	
		DATE: 3/10/93	REV.: 0		



CHEMICAL WASTE MANAGEMENT, INC. OSCO FACILITY Azusa, California	TITLE: GROUNDWATER ELEVATION CONTOURS March 1, 1993	DWN: MIY CHKD: MIY DATE: 3/10/93	DES.: MIY APPD: MIY REV.: 0	PROJECT NO.: 68868803 FIGURE NO.: 5



CHEMICAL WASTE MANAGEMENT, INC. OSCO FACILITY Azusa, California	TITLE: GROUNDWATER ELEVATION CONTOURS December 21, 1992	DWN: MIY CHKD: MIY DATE: 3/10/93	DES.: MIY APPD: MIY REV.: 0	PROJECT NO.: 68868803 FIGURE NO.: 1

ATTACHMENT 1

DESCRIPTION OF FIELD ACTIVITIES

SEC DONOHUE
Environment & Infrastructure

FEB 1993
RECEIVED
Western Region
Environmental
Mgt. Dept.
C.W.M.I.

February 4, 1993

Mr. Marc Yalom, R.G.
Chemical Waste Management, Inc.
Environmental Management Department
4227 Technology Way
Fremont, California 94538

SUBJECT: DAILY SUMMARY OF JANUARY GROUNDWATER SAMPLING EVENT (1st QUARTER 1993) AT THE CWM-OSCO FACILITY, 107 SOUTH MOTOR AVENUE, AZUSA, CALIFORNIA 91702.

Dear Marc:

A brief summary of daily events encountered during the January groundwater sampling event at the OSCO facility between January 7 and 22, 1993, is described in the following sections.

WEEK ENDING JANUARY 8

Thursday, January 7

Key personnel on-site were from SEC Donohue San Pedro staff - Marlin Gahring, Anthony Garcia, and Dan Gunderson, and from SEC Donohue Ontario - Terry McPhetridge and Al Romeo. Weather conditions were cloudy, consistent heavy rain with temperatures ranging between 50° - 55° F.

SEC Donohue San Pedro staff completing installation of PumpSaver equipment at each well location. Ontario staff on-site to supervise and monitor testing of the PumpSaver equipment operational status. Further investigation identified crossed electric wires, when re-located wires and tested again purge water began discharging. Accordingly, the electric wires were changed at each well location with each operating successfully. As a result of this time-consuming activity, no groundwater sampling was performed this date.

3350 Shelby Street • Suite 350 • Ontario, CA 91764 • (714) 483-2100 • Fax: (714) 466-5046

Friday, January 8

Key personnel on-site were Terry McPhetridge and Al Romeo from SEC Donohue Ontario, CA. Ontario staff on-site at 9:15. Obtained equipment in CWM vault, notified Mr. Frank Ford requesting four 55-gallon DOT drums for delivery at each well location, initially MW-03. Following equipment set-up at MW-03 and field instrument calibration, another request for drum delivery was requested at 11:45 to Mr. Joe Fillerup. Drums delivered at 13:00 to MW-03 locale.

A rented 5.5 KW generator was inoperable following start-up. The generator, which was operable the previous day, would not crank over resulting from no apparent ignition spark. Staff made several attempts to repair with no success. Groundwater sampling activity suspended until Monday, January 11. Jeff Sauck notified of malfunction and to notify information to Marc Yalom.

WEEK ENDING JANUARY 15

Monday, January 11

Key personnel on-site were Terry McPhetridge and Al Romeo of SEC Donohue Ontario, CA. Weather conditions were cloudy, with rain and temperatures ranging between 50° - 60° F.

Groundwater sampling was conducted in MW-01 following purging well water of three well volumes. Note: Trip blank sample (ID #AG2742-I) for EML trip blank standards was inadvertently opened while sampling activity in progress.

A major set-back occurred this day in wells MW-04 and MW-05 located at the west and south areas of the OSCO plant facility., respectively. Each well was purged of three well volumes and after clean compressed air was introduced to the pneumatic bladder pump water was not discharging through the sample-line tubing. Air pressure was increased slightly and after 30-45 minutes and no response, sampling activity was suspended until well equipment could be repaired. Staff documented potential air-line leak resulting in loss of pressure, and also an apparent air-leak was noted in MW-05 near the sanitary seal.

Marc Yalom notified of potential bladder pump air-line problem at MW-04 and MW-05. Marc recommended to schedule monitoring well repair as soon as possible.

Tuesday, January 12

Key personnel on-site consisted of Terry McPhetridge, Al Romeo, and Bob Coale (8:00 to 9:00) from SEC Donohue Ontario, CA. Weather conditions were cloudy, heavy rain, with temperatures between 45° - 50° F. Upon arrival and inspection, drums were present at MW-02 locale, none at MW-03. Frank Ford notified requesting drum delivery to MW-03. Bob Coale on-site at 8:00.

Prior to purging MW-02, pneumatic bladder pump was tested for operating status. This test indicated the bladder pump and associated arrival, drums were present at MW-02 and not present at MW-03. Frank Ford notified for drum delivery at MW-03. Subsequently, sampling of MW-02 was performed successfully. Field blank samples 01FB were collected at MW-02.

As a result of the heavy rains and the fact that drums were not delivered to MW-03 following sampling of MW-02, further groundwater sampling was suspended this date and to resume Wednesday, January 13.

Marc Yalom notified of progress activity. Donna Bierschank and Deborah Barrett of EML contacted regarding shipment and re-organization to be conducted on AquaPak bottle sets. Four AquaPaks were shipped to SEC Donohue: 1) Two complete bottle sets with one bottle set designated as the "Duplicate" = MW-03, 2) Two bottle sets with one small bottle set designated as the "Field Blank" samples = MW-02, 3) Two complete bottle sets = MW-01 and MW-05, 4) One complete bottle set = MW-04. The problem that existed was the MW-01 samples were incorporated with the bottle set designated for MW-05 which needed repair before sampling. Additionally, the trip blank sample for EML's use in the AquaPak for MW-01/MW-05 was inadvertently opened while sampling MW-01 and MW-05 bottle set lacked any trip blank samples. After two hours of discussion with Ms. Barrett the final solution was to incorporate MW-04 bottle set into MW-01/MW-05 AquaPak, and place MW-01 samples into AquaPak formerly containing MW-04. The trip blank sample problem, or lack of, in the MW-01 bottle set still present. Therefore, MW-02 was to be shipped this date as well. The final result was ***no*** *samples were shipped this date from the time-constraints following lengthy discussion with EML personnel, inclement weather, and heavy traffic problems.*

Wednesday, January 13

Key personnel on-site from SEC Donohue Ontario were Terry McPhetridge and Al Romeo. Weather conditions were cloudy, rain, with temperatures between 45° - 50° F.

Frank Ford notified upon arrival requesting four DOT drums be delivered to MW-03 location. Prior to set-up at MW-03, pneumatic bladder pump units in wells MW-04 and MW-05 were tested again for operational status. Well MW-05 testing indicated no water discharge response, definite air-line leak noted while compressed air flowing through tubing.

The bladder pump tubing fitting were tightened at the uppermost connection at the wellhead sanitary seal in MW-04. Following bladder pump testing, water discharged through the sample tubing.

Marc Yalom contacted regarding decision on whether well MW-04 needed to be re-purged prior to sampling. Marc suggested to activate the bladder pump and purge a few gallons and if stabilization of field parameters (pH, temperature, and specific conductance) are identical or within close proximity of measurements collected at the end of actual purging on Monday, January 11, indicating "fresh water" within the well then to resume sample MW-04. If stabilization does not occur then well MW-04 should be re-purged of three well volumes.

Well MW-04 was purged utilizing the bladder pump of approximately three to four gallons and field parameters were almost identical to measurements collected at the end of initial purging. Therefore, groundwater sampling of well MW-04 was performed on this date.

Following sampling of MW-04 and upon arrival at MW-03, SEC staff notified Joe Fillerup requesting drums. Approximately one-half hour later, four drums were delivered to MW-03. SEC Donohue successfully purged and sampled MW-03 which included the "Duplicate" samples as noted on the EML Statement of Work. No samples shipped this date due to time-constraints following sampling of MW-03.

Thursday, January 14

All four AquaPaks were shipped via Federal Express - "Priority Overnight" this day to WMI-EML. Samples to be analyzed for volatiles using EPA Methods 601 and 602 were shipped via Federal Express - "Priority Overnight" to the subcontract laboratory, CalEnseco Laboratories, 2544 Industrial Boulevard, West Sacramento, California. Note: per Donna Bierschank of WMI-EML, MW-05 bottle set should be included in shipment to EML and a new ENS number and bottle set will be Federal Expressed to SEC Donohue.

WEEK ENDING JANUARY 22

Wednesday, January 20

Key personnel on-site: H-F Drilling Co., Fullerton, CA, Steve and Robert; SEC Donohue, Ontario, CA, Terry McPhetridge. Weather conditions were clear, sunny with temperatures between 65° - 70° F.

Well repair was performed on MW-05 and MW-04 air-line tubing connections. After removal of sanitary seal, upon inspection of well MW-05 the bladder pump air-line was disconnected at the fitting directly beneath the sanitary seal. H-F Drilling crew replaced the fitting and cut approximately 3-inches of tubing where a crack had developed on the tubing and tightened.

Upon inspection of MW-04 after removal of the sanitary seal, the air-line tubing was loose, however, was scarcely connected explaining bladder pump operation for sampling activity. Air-line fitting was tightened, sanitary seal secured in place. Well repairs required approximately 2.5 hours form start to finish.

Groundwater sampling of well MW-05 scheduled for Friday, January 22. Aquapak containing new ENS number and one bottle set for MW-05 was received at the SEC Donohue Ontario office on Monday, January 18. Marc Yalom notified SEC Donohue that USEPA has reduced analytical method requirements to volatile testing only.

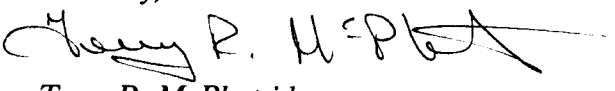
Friday, January 22

Key personnel on-site: Terry McPhetridge and Al Romeo from SEC Donohue, Ontario, CA. Weather condition were sunny, partly cloudy with temperatures at 70° F.

SEC Donohue staff awaited drum delivery at MW-05 locale for approximately two hours. Following delivery, MW-05 was re-purged and successfully sampled on this date at 14:00. MW-05 water samples were shipped via Federal Express - "Priority Overnight" on this date to WMI-EML. Water samples to be analyzed for volatiles using EPA Methods 601 and 602 were also shipped via Federal Express - "Priority Overnight" to subcontract laboratory, CalEnseco Laboratories, 2544 Industrial Boulevard, West Sacramento, California.

If you have any questions or comments regarding this brief project summary please contact Terry McPhetridge at (909) 466-8007.

Sincerely,



Terry R. McPhetridge
Project Manager
SEC Donohue

ATTACHMENT 4

DATA QUALITY REPORT
CALENSECO ANALYZED SAMPLES

MW-03 PRIMARY AND DUPLICATE

SQR 562-93-10060-SB-022293 1/1

California Analytical
Laboratory

Enseco
A Corning Company

MAR 1993
RECEIVED
Western Region
Environmental
Mgt. Dept.
C.W.M.I.

March 3, 1993

Ms. Carmel Reilly, Subcontract Coordinator
WMI-Environmental Monitoring Laboratories, Inc.
2100 Cleanwater Drive
Geneva, Illinois 60134-4100

Re: Data Quality Review ENS#92-10060, EML Sample #'s AG2740-B1 & AG2741-B1
Enseco Lab ID#'s 067695-0006 & 067695-0008
Field Duplicates with RPD > 20%

Ms. Reilly:

The data and associated paperwork for this project have been reviewed by the GC Chemist responsible for the 601-Modified volatiles analysis on this project, the current program manager, and the Organics supervisor. Upon review of the sample chromatograms and associated records, the following was verified:
(a) identification of the sample vials was checked by the first analyst prior to loading the samples,
(b) the sample screening chromatograms showed the two samples with markedly different profiles in the relative concentration of analytes, and
(c) data from the initial analysis at a 1:10 dilution, a 1:100 dilution, and a later re-run at 1:10 dilution all showed good agreement (less than 20% RPD for all analytes in linear range). In addition, all DCS components had RPD's < 10%.

All analytes present in sample AG2740-B1 were also observed in sample AG2741-B1 (although some of those analytes were found below reporting limit in AG2741-B1). While the same analytes appear to be present in both samples, the different concentrations may indicate variations in sample collection, transfer, or storage. (Note: 3 of 8 vials for AG2740 were missing from this order upon receipt at Enseco Cal Lab.) No errors were found in calculation or transcription of data for the samples in question.

If you have any further questions regarding this letter, please call.

Sincerely,

Kendra T. DeSantolo
Project Manager

Ann Marie Carroll
GC Chemist, Volatiles

Mike Orbanosky
Supervising Organic Chemist

cc: David Herbert, Project Manager - Enseco Cal Lab
Gail Celaschi, QA Manager - Enseco Cal Lab

Enseco Incorporated
2544 Industrial Boulevard
West Sacramento, California 95691
916/372-1393 Fax: 916/372-7768

ATTACHMENT 5

ANALYTICAL RESULTS
MW-05

WMI Environmental Monitoring Laboratories, Inc.

Analytical Report Transmittal Memorandum

FEB 1993
RECEIVED
Western Region
Environmental
Mgt. Dept.
C.W.M.I.

Date: February 11, 1993

To: Client(s) - see below

From: Dave Lundquist

Subject: O.S.C.O. 93-10314

Please find enclosed the current Client Report, Field Information Forms, and Field Chain-of-Custody Records for the recently completed event at O.S.C.O..

The data has been thoroughly reviewed and compared to historical data. We have tried to provide a report that is complete and of known and documented quality. Please take a moment to review the enclosed report to insure it meets your expectations.

If you have any questions, don't hesitate to call Donna Bierschenk at (708)208-3100.

Report Distribution:

Name	Report Type
Marc Yalom*	ALL +Diskette

* *Program Manager*

WMI Environmental Monitoring Laboratories, Inc.
2100 Cleanwater Drive
Geneva, Illinois 60134
708/208-3100

A Waste Management Company

Enclosed are the analytical results for samples received from your facility. The results in the Client Report are for a single ENS (Event Notification System) number only. The sampling event at your facility may include multiple ENS numbers. A separate Client Report will be generated for each one.

It is the goal of WMI Environmental Monitoring Laboratories, Inc. to provide analytical data in a timely fashion, formatted in a way that our clients will find most useful.

If you have any questions concerning the form or content of this report, please contact the WMI EML Customer Operations Department:

Main Number (708) 208-3100
FAX Number (708) 208-1175

Note: Two designations may appear in the results column of your Client Report: NA or ND.

The designation NA (for "Not Analyzed") is used to identify analytes which were requested in the monitoring program, but for which no suitable testing methodology exists. NA may also indicate a dry well, broken sample bottle, insufficient sample volume, or other condition which precludes analysis for a sample.

The designation ND (for "Not Detected") is used to indicate that the analyte of interest was not found at or above the concentration listed under the EMLRL (EML Reporting Limit) heading.

Unless otherwise indicated, all analytes meet the requirements of holding time as specified in the method.

Deborah C. Hockman, Ph.D.

Deborah C. Hockman, Ph.D.
President
WMI Environmental Monitoring Laboratories, Inc.

Printed on recycled paper

DATA QUALIFIER COMMENT CODE DEFINITIONS

AR: Acid surrogate recoveries did not meet the acceptance criteria of the method. Oxidative degradation due to sample matrix is suggested.

BB: Broken bottle.

BL: The method blank concentration associated with this analyte did not meet the acceptance criteria of the method.

CX: The concentration of this compound exceeded the calibration used for this analysis. The concentration reported is estimated.

CU: Co-elution with another compound interferes with the quantitation of this compound. The concentration reported is estimated.

DL: The sample was diluted during analysis. Reporting limits have been adjusted where necessary.

DP: This sample was analyzed in duplicate. The relative percent difference between the two results did not meet the acceptance criteria of the method.

DW: Dry well.

HS: Headspace in sample exceeded laboratory control limit. The reported results of the analysis may be less than the actual value.

IS: The internal standard recoveries associated with this analysis did not meet the acceptance criteria of the method.

IV: The bottle did not contain enough sample to perform the analysis.

MP: 3-methylphenol and 4-methylphenol co-elute under the analytical conditions of the method, and can not be differentiated solely on the basis of their mass spectra. The concentrations reported may be either or both isomers.

MX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was in control. The result reported may therfore be affected by matrix interferences.

NN: N-nitrosodiphenylamine can not be distinguished from diphenylamine using gas chromatography. The concentrations reported may be either or both compounds.

NQ: No standard qualifier code is in use for this qualification. See the associated comment.

NS: There was not enough sample to repeat this analysis.

PL: This result may be a product of contamination from phthalate plasticizers, which are a common lab contaminant.

PX: This sample required preservation in the field to a pH of less than 2. The pH was checked before analysis and did not have a pH of less than 2.

PY: This sample required preservation in the field to a pH of 4 to 5. The pH was checked before analysis and did not have a pH of 4 to 5.

PZ: This sample required preservation in the field to a pH of 12 or greater. The pH was checked before analysis and did not have a pH of 12 or greater.

QX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was out-of-control. The analytical result for this parameter in the unspiked sample is suspect and may not be reported for regulatory compliance purposes.

SB: The analysis of this sample was performed by an approved subcontract laboratory.

ST: This compound is not stable in acidic water.

SU: The analysis of the surrogate with this sample did not meet the acceptance criteria of the method.

TX: The analysis for this parameter was conducted after the holding time specified in the method.

UN: This compound is not stable under the conditions of the analysis.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AG4169

ENS: 93-10314
MP: 562934
REV: 00

Sampled: 22-JAN-1993
Received: 23-JAN-1993
Reported: 11-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	360	5.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	26	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	190	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	28	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	5.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	1.5	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	ND	5.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	790	5.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	920	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	20.000	UG/L		VOMSBAO322
1,1,1-TRICHLOROETHANE	290.	20.000	UG/L		VOMSBAO322
1,1,2,2-TETRACHLOROETHANE	ND	50.000	UG/L		VOMSBAO322
1,1,2-TRICHLOROETHANE	ND	50.000	UG/L		VOMSBAO322
1,1-DICHLOROETHANE	22.	20.000	UG/L		VOMSBAO322
1,1-DICHLOROETHENE	47.	20.000	UG/L		VOMSBAO322
1,2-DICHLOROBENZENE	ND	20.000	UG/L		VOMSBAO322
1,2-DICHLOROETHANE	23.	20.000	UG/L		VOMSBAO322
1,2-DICHLOROPROPANE	ND	20.000	UG/L		VOMSBAO322
1,3-DICHLOROBENZENE	ND	20.000	UG/L		VOMSBAO322
1,4-DICHLOROBENZENE	ND	20.000	UG/L		VOMSBAO322
2-BUTANONE	ND	100.000	UG/L		VOMSBAO322
2-CHLOROETHYLVINYL ETHER	ND	80.000	UG/L	ST	VOMSBAO322
4-METHYL-2-PENTANONE	ND	100.000	UG/L		VOMSBAO322
ACETONE	ND	340.000	UG/L		VOMSBAO322
BENZENE	ND	5.000	UG/L		VOMSBAO322
BROMODICHLOROMETHANE	ND	20.000	UG/L		VOMSBAO322
BROMOFORM	ND	20.000	UG/L		VOMSBAO322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	ALL REPORTING LIMITS FOR THIS SAMPLE, METHOD 601, HAVE BEEN RAISED DUE TO HIGH ANALYTE LEVELS. CAL ENSECO
1,2-DICHLOROBENZENE	SURROGATE RECOVERY FOR THIS SAMPLE, METHOD 602, OUTSIDE OF LIMITS DUE TO SAMPLE MATRIX INTERFERENCE. CAL ENSECO
VOMSBAO322	Dilution factor 10 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AG4169

ENS: 93-10314
MP: 562934
REV: 00

Sampled: 22-JAN-1993
Received: 23-JAN-1993
Reported: 11-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
BROMOMETHANE	ND	20.000	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	5.000	UG/L		VOMSBA0322
CHLOROBENZENE	ND	20.000	UG/L		VOMSBA0322
CHLOROETHANE	ND	40.000	UG/L		VOMSBA0322
CHLOROFORM	ND	20.000	UG/L		VOMSBA0322
CHLOROMETHANE	ND	40.000	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	20.000	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	50.000	UG/L		VOMSBA0322
ETHYLBENZENE	ND	20.000	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	50.000	UG/L		VOMSBA0322
O-XYLENE	ND	20.000	UG/L		VOMSBA0322
TETRACHLOROETHENE	310.	20.000	UG/L		VOMSBA0322
TOLUENE	ND	20.000	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	20.000	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	20.000	UG/L		VOMSBA0322
TRICHLOROETHENE	210.	20.000	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	20.000	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	40.000	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: TBK-MW05
Sample Type: WELL
Sample Number: AG4169

ENS: 93-10314
MP: 562934
REV: 00

Sampled: 22-JAN-1993
Received: 23-JAN-1993
Reported: 11-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	ND	0.500	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	1.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	1.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	ND	0.500	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	ND	0.500	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	1.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	ND	1.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	1.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	10.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	1.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	5.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	0.500	UG/L		SBGCFAA101
CHLOROBENZENE	ND	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	2.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
CHLOROFORM	ND	0.500	UG/L		SBGCFAA101
CHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	2.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	1.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	ND	0.500	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	0.500	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	1.000	UG/L		SBGCFAA101
TRICHLOROETHENE	ND	0.500	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	1.000	UG/L		SBGCFAA101
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	10.000	UG/L	NS	VOMSBAO322
1,1,1-TRICHLOROETHANE	5.	5.000	UG/L	NS	VOMSBAO322
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L	NS	VOMSBAO322
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L	NS	VOMSBAO322
1,1-DICHLOROETHANE	ND	5.000	UG/L	NS	VOMSBAO322
1,1-DICHLOROETHENE	ND	5.000	UG/L	NS	VOMSBAO322
1,2-DICHLOROBENZENE	ND	10.000	UG/L	NS	VOMSBAO322
1,2-DICHLOROETHANE	ND	5.000	UG/L	NS	VOMSBAO322
1,2-DICHLOROPROPANE	ND	5.000	UG/L	NS	VOMSBAO322
1,3-DICHLOROBENZENE	ND	10.000	UG/L	NS	VOMSBAO322
1,4-DICHLOROBENZENE	ND	10.000	UG/L	NS	VOMSBAO322
2-BUTANONE	ND	10.000	UG/L	NS	VOMSBAO322
2-CHLOROETHYLVINYL ETHER	ND	20.000	UG/L	NS,ST	VOMSBAO322
4-METHYL-2-PENTANONE	ND	10.000	UG/L	NS	VOMSBAO322
ACETONE	ND	34.000	UG/L	NS	VOMSBAO322
BENZENE	ND	5.000	UG/L	NS	VOMSBAO322
BROMODICHLOROMETHANE	ND	5.000	UG/L	NS	VOMSBAO322
BROMOFORM	ND	5.000	UG/L	NS	VOMSBAO322
BROMOMETHANE	ND	10.000	UG/L	NS	VOMSBAO322
CARBON TETRACHLORIDE	ND	5.000	UG/L	NS	VOMSBAO322
CHLOROBENZENE	ND	5.000	UG/L	NS	VOMSBAO322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	CAL ENSECO
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: TBK-MW05
Sample Type: WELL
Sample Number: AG4169

ENS: 93-10314
MP: 562934
REV: 00

Sampled: 22-JAN-1993
Received: 23-JAN-1993
Reported: 11-FEB-1993

Analyte	Result	P Q L	Units	Comments	Method
CHLOROETHANE	ND	10.000	UG/L	NS	VOMSBA0322
CHLOROFORM	ND	5.000	UG/L	NS	VOMSBA0322
CHLOROMETHANE	ND	10.000	UG/L	NS	VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	5.000	UG/L	NS	VOMSBA0322
DIBROMOCHLOROMETHANE	ND	5.000	UG/L	NS	VOMSBA0322
ETHYLBENZENE	ND	5.000	UG/L	NS	VOMSBA0322
METHYLENE CHLORIDE	ND	5.000	UG/L	NS	VOMSBA0322
O-XYLENE	ND	10.000	UG/L	NS	VOMSBA0322
TETRACHLOROETHENE	37.	5.000	UG/L	NS	VOMSBA0322
TOLUENE	ND	5.000	UG/L	NS	VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	10.000	UG/L	NS	VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L	NS	VOMSBA0322
TRICHLOROETHENE	15.	5.000	UG/L	NS	VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L	NS	VOMSBA0322
VINYL CHLORIDE	ND	10.000	UG/L	NS	VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Subcontract To: _____

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 2028
Date Sealed 93 / 01 / 15 (YY / MM / DD)
Seal # 44714
By: [signature]

SITE/FACILITY # 961 SITE NAME: O.S.C.O.

Sample Point: WMW05 (Source Code)

SAMPLE DATE: 93 01 22 (YY / MM / DD)

SAMPLE TIME: 14 : 00 (2400 HR.)

MATRIX CODE: W

Water (W) Soil (S) Leachate (C) Other (X)

Source Codes:

Well (W) Dewatering/Pressure Relief (D) Surface Water Impoundment (I) Leachate System (C) Gas Condensate (M) Air (A) Pretreatment Facility (P) Influent (U) Effluent (T) River/Stream/Brook (R) Lake or Ocean (L) Outfall (O) Soil (S) Bottom Sediment (B) Noise (N) Generation Pt. (G) Other (X) Specify _____

ENS # 93-10314

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y—N	FIELD COMMENTS	E.M.L. COMMENTS
AG4169-A	04	G	HCL/COOL 4	DEG C SB	Y		
AG4169-B	04	G	NONE/COOL 4	DEG C SB	Y		
AG4169-C	04	G	HCL/COOL 4	DEG C VO	Y		
AG4169-D	01	G	HCL/COOL 4	DEG C SB	Y		TBK
AG4169-E	01	G	NONE/COOL 4	DEG C SB	Y		TBK
AG4169-F	01	G	HCL/COOL 4	DEG C VO	Y		TBK
					Y N		
					Y N		
					Y N		TB 76mm 1-23-93 JEH
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) TERRY McPHETRIDGE Date: 01/21/93 Time: 9 : 30 (2400 HR.)
Signature: [signature] Seal #: 44714 Intact: YES

I have received these materials in good condition from the above person.

2. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

4. AquaPak™/Sub Contr. # 2028 Sealed By: TERRY McPHETRIDGE (Print) Date: 01/22/93 Time: 16 : 00 (2400 HR.)
Signature: [signature] Seal #: 40501 Intact: YES

LAB USE ONLY
Opened By: (Signature) [signature] Date: 1/23/93 Time: 9 : 12 (2400 HR.)
AquaPak™/Sub. Contr. # 2028 Temp. C 10 Seal # 40501 Intact. Y
REGION

EML FF-1A 12/92

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AG4169

FIELD INFORMATION FORM

Sample Point: WMW05 (Source Code)

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
930122	1318	3	64.1	195.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL INC GALVANIZED PIPE PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* 519.57 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	267.12 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	252.45 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* 330.00 (ft)	Stickup	(ft)

	ph	spec. cond. (μm/cm at 25° C)	
1st	7.18 (STD)	678	Sample Temp. 19.0 (° C)
2nd	(STD)		WELL DIAM (other parameter) 5.0 (value) in (units)
3rd	(STD)		(other parameter) (value) (units)
4th	(STD)		(other parameter) (value) (units)

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: NONE Color: CLEAR Turbidity: NONE

Weather Conditions: Wind Speed 4 MPH Direction WEST Precipitation Y/(N) Outlook SUNNY

Specific Comments: * INFORMATION OBTAINED FROM WELL I.D. CHART (1992)
WELL CONDITION GOOD, ACCESS GOOD.
62.88 x 1.02 = 64.14 x 3 = 192.42
GOOD RECHARGE RATE; OBTAINED 3 CASING VOLUMES AT 13:39. SAMPLING AT 14:00.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

01/22/93 (Date) (Signature) Employer: SEC DONOHUE

EML FF-2A 4/90

REGION

ATTACHMENT 6

ANALYTICAL RESULTS
FIELD BLANK

05-90.20

WMI Environmental Monitoring Laboratories, Inc.

Analytical Report Transmittal Memorandum

FEB 1993
RECEIVED
Western Region
Environmental
Dept. Dept.
E.W.M.I.

Date: February 1, 1993

To: Client(s) - see below

From: Dave Lundquist

Subject: O.S.C.O. 93-10061

Please find enclosed the current Client Report, Field Information Forms, and Field Chain-of-Custody Records for the recently completed event at O.S.C.O..

The data has been thoroughly reviewed and compared to historical data. We have tried to provide a report that is complete and of known and documented quality. Please take a moment to review the enclosed report to insure it meets your expectations.

If you have any questions, don't hesitate to call Donna Bierschenk at (708)208-3100.

Report Distribution:

Name	Report Type
Marc Yalom*	ALL +Diskette

* *Program Manager*

WMI Environmental Monitoring Laboratories, Inc.
2100 Cleanwater Drive
Geneva, Illinois 60134
708/208-3100

A Waste Management Company

Enclosed are the analytical results for samples received from your facility. The results in the Client Report are for a single ENS (Event Notification System) number only. The sampling event at your facility may include multiple ENS numbers. A separate Client Report will be generated for each one.

It is the goal of WMI Environmental Monitoring Laboratories, Inc. to provide analytical data in a timely fashion, formatted in a way that our clients will find most useful.

If you have any questions concerning the form or content of this report, please contact the WMI EML Customer Operations Department:

Main Number (708) 208-3100
FAX Number (708) 208-1175

Note: Two designations may appear in the results column of your Client Report: NA or ND.

The designation NA (for "Not Analyzed") is used to identify analytes which were requested in the monitoring program, but for which no suitable testing methodology exists. NA may also indicate a dry well, broken sample bottle, insufficient sample volume, or other condition which precludes analysis for a sample.

The designation ND (for "Not Detected") is used to indicate that the analyte of interest was not found at or above the concentration listed under the EMLRL (EML Reporting Limit) heading.

Unless otherwise indicated, all analytes meet the requirements of holding time as specified in the method.

Deborah C. Hockman, Ph.D.

Deborah C. Hockman, Ph.D.
President
WMI Environmental Monitoring Laboratories, Inc.

Printed on recycled paper

Data Qualifier Comment Code Definitions

AR: Acid surrogate recoveries did not meet the acceptance criteria of the method. Oxidation degradation due to sample matrix was confirmed.

BB: Broken bottle.

BL: The method blank concentration associated with this analyte did not meet the acceptance criteria of the method.

CX: The concentration of this compound exceeded the calibration used for this analysis. The concentration reported is estimated.

CU: Co-elution with another compound interferes with the quantitation of this compound. The concentration reported is estimated.

DL: The sample was diluted during analysis. Reporting limits have been adjusted where necessary.

DP: This sample was analyzed in duplicate. The relative percent difference between the two results did not meet the acceptance criteria of the method.

DW: Dry well

HS: The headspace in this sample bottle exceeded 6 millimeters.

IS: The internal standard recoveries associated with this analysis did not meet the acceptance criteria of the method.

IV: The bottle did not contain enough sample to perform the analysis.

MP: 3-methylhphenol and 4-methylphenol co-elute under the analytical conditions of the method, and can not be differentiated solely on the basis of their mass spectra. The concentrations reported may be either or both isomers.

MX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was in control. The result reported may therefore be affected by matrix interferences.

NN: N-nitrosodiphenylamine can not be distinguished from diphenylamine using gas chromatography. The concentrations reported may be either or both compounds.

NQ: No standard qualifier code is in use for this qualification. See the associated comment.

NS: There was not enough sample to repeat this analysis.

PL: This result may be a product of contamination from phthalate plasticizers, which are a common lab contaminant.

PX: This sample required preservation in the field to a pH of less than 2. The pH was checked after receipt at the lab, and did not have a pH of less than 2.

PY: This sample required preservation in the field to a pH of 4 to 5. The pH was checked after receipt at the lab, and did not have a pH of 4 to 5.

PZ: This sample required preservation in the field to a pH of 12 or greater. The pH was checked after receipt at the lab, and did not have a pH of 12 or greater.

QX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was out-of-control. The analytical result for this parameter in the unspiked sample is suspect and may not be reported for regulatory compliance purposes.

RA: Acid surrogate recoveries associated with this analysis did not meet the acceptance criteria of the method.

RB: Base/neutral surrogate recoveries associated with this analysis did not meet the acceptance criteria of the method.

SB: The analysis of this sample was performed by an approved subcontract laboratory.

ST: This compound is not stable in acidic water.

SU: The analysis of the surrogate with this sample did not meet the acceptance criteria of the method.

TX: The analysis for this parameter was conducted after the holding time specified in the method.

UN: This compound is not stable under the conditions of the analysis.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: 01FB
Sample Type: WELL
Sample Number: AG2745

ENS: 93-10061
MP: 562931
REV: 00

Sampled: 12-JAN-1993
Received: 15-JAN-1993
Reported: 29-JAN-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	6.99		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	578.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	15.7		DEGREES C		FDXTEMPC01
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	10.000	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	ND	5.000	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	5.000	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBA0322
2-BUTANONE	ND	10.000	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	20.000	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	10.000	UG/L		VOMSBA0322
ACETONE	ND	34.000	UG/L		VOMSBA0322
BENZENE	ND	5.000	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	5.000	UG/L		VOMSBA0322
BROMOFORM	ND	5.000	UG/L		VOMSBA0322
BROMOMETHANE	ND	10.000	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	5.000	UG/L		VOMSBA0322
CHLOROBENZENE	ND	5.000	UG/L		VOMSBA0322
CHLOROETHANE	ND	10.000	UG/L		VOMSBA0322
CHLOROFORM	ND	5.000	UG/L		VOMSBA0322
CHLOROMETHANE	ND	10.000	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		VOMSBA0322
ETHYLBENZENE	ND	5.000	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	5.000	UG/L		VOMSBA0322
O-XYLENE	ND	10.000	UG/L		VOMSBA0322
TETRACHLOROETHENE	ND	5.000	UG/L		VOMSBA0322
TOLUENE	ND	5.000	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	10.000	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		VOMSBA0322
TRICHLOROETHENE	ND	5.000	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	10.000	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Subcontract To:

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 672
Date Sealed 9 2 1 2 1 7 (YY / MM / DD)
Seal # 44781
By: EE

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: W O 1 F B (Source Code)

BAR CODE

SAMPLE DATE: - 9 3 0 1 1 2 (YY / MM / DD)

SAMPLE TIME: 1 0 : 4 0 (2400 HR.) MATRIX CODE: W

Water (W) Soil (S) Leachate (C) Other (X)

Source Codes:

Well (W) Dewatering/Pressure Relief (D) Surface Water Impoundment (I) Leachate System (C) Gas Condensate (M) Air (A) Pretreatment Facility (P) Influent (U) Effluent (T) River/Stream/Brook (R) Lake or Ocean (L) Outfall (O) Soil (S) Bottom Sediment (B) Noise (N) Generation Pt. (G) Other (X) Specify

ENS # 93-10061

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AG2745-A	04	G	HCL/COOL 4	DEG C VO	Y N		
~~AG2745-B~~	~~01~~	~~G~~	~~HCL/COOL 4~~	~~DEG C VO~~	Y N		CANCEL 12-17-92
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) TERRY McPHETRIDGE Date: 1/5/93 Time: 11:10 (2400 HR.)
Signature: Terry McPhetridge Seal #: 44781 Intact: YES

I have received these materials in good condition from the above person.

2. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks:

I have received these materials in good condition from the above person.

3. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks:

TRM 1/14/93

4. AquaPak™/Sub Contr. # 672 Sealed By: TERRY McPHETRIDGE (Print) Date: 01/~~13~~ 14/93 Time: 17:00 (2400 HR.)
Signature: Terry McPhetridge Seal #: ~~44544~~ 47707 Intact: YES

TRM 1/14/93

LAB USE ONLY
Opened By: (Signature) Date: 1/15/93 Time: 10:22 (2400 HR.)
AquaPak™/Sub. Contr. # 672 Temp.°C 1 Seal # 47707 Intact. Y
REGION

EML FF-1A 4/91

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: A6274S

FIELD INFORMATION FORM

Sample Point: W01FB. (Source Code)

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
930112	935		54.6	165.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL THE GALVANIZED PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* 525.58 TDM (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	274.44 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	251.14 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* 328.00 (ft)	Stickup	(ft)

	ph		spec. cond.		
1st	6.99 (STD)	1st	578	μm/cm at 25° C	Sample Temp. 15.7 (° C)
2nd	(STD)	2nd		μm/cm at 25° C	(other parameter) value units
3rd	(STD)	3rd		μm/cm at 25° C	(other parameter) value units
4th	(STD)	4th		μm/cm at 25° C	(other parameter) value units

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: NONE Color: CLEAR Turbidity: SLIGHT

Weather Conditions: Wind Speed 10MPH Direction SOUTHWEST Precipitation (Y) N Outlook CLOUDY

Specific Comments: * OBTAINED FROM WELL ID CHART (1992)

WELL CONDITION IS GOOD, ACCESS GOOD.

328 − 274.44 = 53.56 x 1.02 = 54.63 x 3 = 163.89 GALLONS

GOOD RECHARGE RATE; 3 WELL VOLUMES OBTAINED AT 9:55.

FIELD BLANK COLLECTED AT MW-02.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

01/12/93 (Date) [signature] (Signature) Employer: SEC DONOHUE

EML FF-2A 4/90

REGION

ATTACHMENT 7

DATA QUALITY REPORT
EML ANALYZED SAMPLES

MW-05 TRAVEL BLANK

05-470 20

WMI Environmental Monitoring Laboratories, Inc.

Quality Report Transmittal Memorandum

FEB 1993
RECEIVED
Western Region
Environmental
Mgt. Dept.
C.W.M.L.

Date: February 16, 1993

To: Client(s) - see below

From: Kimberly Veugeler

Subject: O.S.C.O. 93-10314

Please find enclosed the current Quality Report for the recently completed event at O.S.C.O..

Please take a moment to review the enclosed report to insure it meets your expectations.

If you have any questions, don't hesitate to call your EML Account Representative at (708)208-3100.

Report Distribution:

Name	Report Type
Marc Yalom*	ALL +Diskette

* Program Manager

WMI Environmental Monitoring Laboratories, Inc.

Organic Surrogate Quality Summary - 93-10314

Method Id.	Sample Id.	Xref Id.	Date Analyzed	Surrogates	% Rec.
VOMSBAO322	AG4169-C	FTL	2/2/93	Dibromofluoromethane	104
				Toluene-d8	103
				4-Bromotoluene	96
VOMSBAO322	AG4169-F	FTL	2/1/93	Dibromofluoromethane	102
				Toluene-d8	102
				4-Bromotoluene	98

NR - NOT REPORTED
ND - NOT DECTECTED **NA** - NOT APPLICABLE
See the Data Qualifier Report for additional Quality comments

WMI Environmental Monitoring Laboratories
Volatiles - Quality Summary - 93-10314

Analyte Name	Xref Id.	Matrix Spike % Rec.	Matrix Spike Dup.	RPD Dup.	Blank Det.	Analyst
1,1,1-Trichloroethane	FTL	90	93	3	ND	S. WILCOX
1,1,2,2-Tetrachloroethane	FTL	89	91	2	ND	S. WILCOX
1,1,2-Trichloroethane	FTL	88	87	1	ND	S. WILCOX
1,1-Dichloroethane	FTL	92	93	1	ND	S. WILCOX
1,1-Dichloroethene	FTL	93	96	4	ND	S. WILCOX
1,2-Dichlorobenzene	FTL	92	92	0	ND	S. WILCOX
1,2-Dichloroethane	FTL	86	88	3	ND	S. WILCOX
1,2-Dichloropropane	FTL	93	96	3	ND	S. WILCOX
1,3-Dichlorobenzene	FTL	90	87	3	ND	S. WILCOX
1,4-Dichlorobenzene	FTL	92	94	2	ND	S. WILCOX
2-Chloroethyl vinyl ether	FTL	0	0	0	ND	S. WILCOX
4-Methyl-2-pentanone	FTL	87	84	3	ND	S. WILCOX
Benzene	FTL	92	95	3	ND	S. WILCOX
Bromodichloromethane	FTL	76	78	2	ND	S. WILCOX
Bromoform	FTL	67	70	4	ND	S. WILCOX
Bromomethane	FTL	93	96	3	ND	S. WILCOX
Carbon tetrachloride	FTL	86	88	2	ND	S. WILCOX
Chlorobenzene	FTL	90	91	1	ND	S. WILCOX
Chloroethane	FTL	115	114	2	ND	S. WILCOX
Chloroform	FTL	89	91	2	ND	S. WILCOX
Chloromethane	FTL	118	127	7	ND	S. WILCOX
cis-1,3-Dichloropropene	FTL	68	69	1	ND	S. WILCOX
Dibromochloromethane	FTL	71	69	3	ND	S. WILCOX
Ethylbenzene	FTL	77	77	1	ND	S. WILCOX
Methylene chloride	FTL	92	94	2	ND	S. WILCOX
Tetrachloroethene	FTL	90	91	1	ND	S. WILCOX
Tetrahydrofuran	FTL	79	89	12	ND	S. WILCOX
Toluene	FTL	78	81	4	ND	S. WILCOX

NR - Not Reported **NC** - Not able to be Calculated
ND - Not Detected **NA** - Not Applicable
See Data Qualifier Report for additional Quality Comments

WMI Environmental Monitoring Laboratories
Volatiles - Quality Summary - 93-10314

Analyte Name	Xref Id.	Matrix Spike % Rec.	Matrix Spike Dup.	RPD Dup.	Blank Det.	Analyst
trans-1,2-Dichloroethene	FTL	83	84	1	ND	S. WILCOX
trans-1,3-Dichloropropene	FTL	74	77	4	ND	S. WILCOX
Trichloroethene	FTL	89	91	3	ND	S. WILCOX
Trichlorofluoromethane	FTL	120	115	4	ND	S. WILCOX
Vinyl chloride	FTL	99	94	5	ND	S. WILCOX

NR - Not Reported **NC** - Not able to be Calculated
ND - Not Detected **NA** - Not Applicable
See Data Qualifier Report for additional Quality Comments

ATTACHMENT 8

DESCRIPTION OF FIELD ACTIVITIES
SAMPLE COLLECTION AT MW-05

05-470.20

SEC DONOHUE
Environment & Infrastructure

FEB 1993
RECEIVED
Western Region
Environmental
Mgt. Dept.
C.W.M.I.

February 12, 1993

Mr. Marc Yalom, R.G.
Chemical Waste Management, Inc.
Environmental Management Department
4227 Technology Way
Fremont, California 94538

SUBJECT: BRIEF SUMMARY REGARDING THE TRIP BLANK ANAYTICAL RESULTS FOR WELL MW-05 DURING THE JANUARY GROUNDWATER SAMPLING EVENT (1st QUARTER 1993) AT THE CWM-OSCO FACILITY, 107 SOUTH MOTOR AVENUE, AZUSA, CALIFORNIA 91702.

Dear Marc:

On January 22, 1993, groundwater sampling was performed at monitoring well MW-05 under WMI-EML ENS #93-10314. Trip blank sample (ID #AG4169-F) anaytical results for this well indicate minor concentrations of specific volatiles also identified from samples of MW-05. The only explanation for this occurrance is while performing the sampling event unused and open ziplock-baggies, to be used to individually isolate the samples for necessary cooling to 4° C using the wet-ice method, accidentally were introduced with well water. This occurrance along with the prospect that the teflon-lined cap was loose on the trip blank vial allowing cross-contamination of well water to the trip blank water. SEC Donohue apologizes for the conceivable mishap and will address more effective quality assurance procedures in the upcoming groundwater sampling events.

Please contact Terry McPhetridge at (909) 466-8007 for questions or comments regarding this matter.

Sincerely,

Terry McPhetridge
Project Manager
SEC Donohue

3350 Shelby Street • Suite 350 • Ontario, CA 91764 • (714) 483-2100 • Fax: (714) 466-5046

ATTACHMENT 9

GROUNDWATER DATA DISKETTE

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

HWMD
ROUTING SLIP
DIRECTOR'S OFFICE

Date: 4-5-93

____	H-1	ZELIKSON	Director	____
____	H-1-W	YOSHII	Deputy Dir. RCRA	____
____	H-1-S	TAKATA	Deputy Dir. $fund	____
____	H-1	KAHAN	Program Analyst	____
____	H-1-A	BROWN	Admin. Analyst	____
____	H-1-1	YOUNG	Community Rels.	____
____	H-1	SMITH, C	US/Mexico Coor.	____
____	H-1-B	PPT LEAD PERSON	_____	____
____	H-1	_____	_____	____

HEALTH AND EMERGENCY PLANNING

____	H-1-2	SHIMMIN	Office Chief	____
____	H-1-2	_____	_____	____

WASTE PROGRAMS

____	H-2	VAILLE	State Programs	____
✓	H-3	FEELEY	~~Permits/Solid~~ Waste	____
____	H-4	SCHWINN	Waste Compliance	____
✓	~~H-3~~	R.B.	Lily/Mary	____

SUPERFUND PROGRAMS

____	H-6	JONES	$F Remedial	____
____	H-7	LINDSAY	$F Enforcement	____
____	H-8	WHITE	$F Field Oper.	____
____	H-9	ANDERSON	$F Federal Fac.	____

NOTES:

CAD 008 302 903
0810

Chemical Waste Management, Inc.

4227 Technology Drive
Fremont, California 94538-6337
510/651-2964 Fax: 510/656-4926

5

April 2, 1993

Mr. Jeffrey Zelikson
Director
U.S. Environmental Protection Agency
Region IX
75 Hawthorne Street
San Francisco, California 94105

2 Copies
Via Certified Mail

Mr. Dennis Dickerson
Regional Administrator
California Environmental Protection Agency
Region III
1011 North Grandview Avenue
Glendale, California 91201

2 Copies
Via Certified Mail

Subject: Oil & Solvent Process Company, Azusa, California - CAD 008302903
RCRA Facility Investigation
Submission of Data on Electronic Media

Gentlemen:

In accordance with the Oil & Solvent Process Company (OSCO) RCRA Part B permit condition VI.8.A, Chemical Waste Management, Inc., (CWM) is submitting the attached computer diskette containing RCRA Facility Investigation (RFI) data.

The 5¼-inch, double sided, high density, DOS compatible diskette contains three ASCII files. The file "SOILDATA.TXT" contains the soil analytical results of: The OSCO RFI Phase IIb Deep Soil Boring Program; and 2) the OSCO RFI Phase IIIa Soil Sediment Sampling Program. Phase IIb data were presented in RCRA Facility Investigation (Phase IIb) Deep Soil Sampling Program, dated November 18, 1992. The Phase IIIa data were presented in RCRA Facility Investigation (Phase III) Groundwater Investigation, dated January 11, 1993. Both reports were prepared by our consultant, Meredith/Boli & Associates.

"SOILDATA.TXT" is fixed format, containing aproximately 7,300 records, each with 13 fields. Table 1 is a description of the variable fields. Each record contains the analytical result for one chemical constituent. The file was downloaded from our GIS/Key environmental database software and may contain fields superfluous to the agencies' needs. Table 2 provides a printed example of the "SOILDATA.TXT" variable-field structure. (Please note that the laboratory matrix spike/matrix spike duplicate reports presented in

Appendix H of the RCRA Phase IIb report were not transcribed into electronic format and are not included in this submission.)

The file "SOILBLNK.TXT" contains the results of Field and Method Blank analyses, also downloaded from GIS/Key. The file contains approximately 1,400 records, each with 15 fixed length fields. Variable fields are described in Table 3. Table 4 provides a printed example of the "SOILBLNK.TXT" variable field structure.

Chemical constituents are identified in "SOILDATA.TXT" and "SOILBLNK.TXT" by the Chemical Abstract Service (CAS) Registry Number, not by the constituent name. CAS numbers and associated chemical names are presented in the fixed format ASCII file "CASNUM.TXT". Table 5 describes the fields for the file "CASNUM.TXT". Table 6 provides a printed example of the "CASNUM.TXT" variable field structure.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system design to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violation.

If you have any questions, please call me at (510) 651-2964.

Sincerely,

CHEMICAL WASTE MANAGEMENT, INC.

Marc Yalom, R.G.
Group Hydrogeologist
Treatment and Land Disposal Operations Group

Attachment (1)

/miy

cc: Director, Los Angeles Regional Water Quality Control Board (with Attachment)

TABLE 1
RECORD FIELD DEFINITION

"SOILDATA.TXT"

VARIABLE FIELD	COL	EXPLANATION	OPTIONS
SITE ID	15	Sample source, left justified	Deep Soil Borings: B-1 B-5 B-2 B-6 B-2R B-8 B-3 B-8R B-4 Sediment Samples: SED-1 SED-3 SED-2 SED-4
SAMPLE DATE	8	Sample Date	YYYYMMDD
SAMPLE DEPTH	6	Depth in feet, to one decimal point, right justified	####.#
LAB/METHOD CODE	10	Code for laboratory and test method, left justified	Laboratories: ENSMOB: Enseco Mobile Lab ENSEC: Enseco Garden Grove BCA: Brown & Caldwell WRL: CWM Western Reg. Lab EARTH: Earth Technology Corp. 8010: Method 8010 8020: Method 8020 6010: Method 6010 7060: Method 7060 7174: Method 7174 8080: Method 8080 8270: Method 8270 8240: Method 8240 8015MOD: Method 8015 Modified WETSTLC: Waste Extr. Test/STLC MERCURY: Mercury (HNO_3 Digest) LEAD: Lead (HNO_3 Digest)
REPLICATE	2	Result is a Primary (P0) result or a Replicate result	Column 1: P = Primary D = Duplicate Column 2: # = Replicate number (0-9)

SEQUENCE NUMBER	3	Order the constituent appears in the LAB/METHOD CODE, right justified	1-999
CHEMICAL ABSTRACT NUMBER	11	Chemical Abstract Service (CAS) Registry Number, right justified	######-##-#
ALIAS NUMBER	2	GIS/KEY Internal Reference, right justified	1-99
UNITS	5	Left justified	ug/kg mg/kg mg/l %
PREPARATION FRACTION CODE	1		T: Total D: Dissolved S: WET/STLC
CONCENTRATION	11	Analytical result, left justified character string	value: Concentration blank: Not detected
DETECTION LIMIT	10	Left justified character string	
DETECTION LIMIT FLAG	1		blank: Detected at greater than or equal to DETECTION LIMIT "<": Not detected

Table 1 Concluded

TABLE 2
SUMMARY FILE EXAMPLE

"SOILDATA.TXT"

1	2	3	4	5	6	7	8	9	10	11	12	13
B-1	19910307	20.0	ENSMOB8010	P0	1	74-87-3		2ug/kg	T		5	<
B-1	19910307	20.0	ENSMOB8010	P0	2	74-83-9		2ug/kg	T		5	<
B-1	19910307	20.0	ENSMOB8010	P0	3	75-01-4		0ug/kg	T		5	<
B-1	19910307	20.0	ENSMOB8010	P0	4	75-00-3		0ug/kg	T		5	<
B-1	19910307	20.0	ENSMOB8010	P0	5	75-09-2		0ug/kg	T		5	<
B-5	19910523	103.0	ENSMOB8010	P0	25	108-90-7		0ug/kg	T		5	<
B-5	19910523	103.0	ENSMOB8010	P0	26	541-73-1		2ug/kg	T		5	<
B-5	19910523	103.0	ENSMOB8010	P0	27	95-50-1		2ug/kg	T		5	<
B-5	19910523	103.0	ENSMOB8010	P0	28	106-46-7		3ug/kg	T		5	<
B-5	19910523	103.0	ENSMOB8020	P0	1	71-43-2		0ug/kg	T		5	<
B-5	19910523	103.0	ENSMOB8020	P0	2	108-88-3		0ug/kg	T	6	5	
B-8	19910211	55.0	ENSMOB8010	P0	28	106-46-7		3ug/kg	T		5	<
B-8	19910211	55.0	ENSMOB8020	P0	1	71-43-2		0ug/kg	T		5	<
B-8	19910211	55.0	ENSMOB8020	P0	2	108-88-3		0ug/kg	T		5	<
B-8	19910211	55.0	ENSMOB8020	P0	3	100-41-4		0ug/kg	T		5	<
B-8	19910211	55.0	ENSMOB8020	P0	4	1330-20-7		3ug/kg	T		15	<
B-8R	19910212	4.0	ENSMOB8010	P0	1	74-87-3		2ug/kg	T		5	<
B-8R	19910212	4.0	ENSMOB8010	P0	2	74-83-9		2ug/kg	T		5	<
B-8R	19910212	4.0	ENSMOB8010	P0	3	75-01-4		0ug/kg	T		5	<
B-8R	19910212	4.0	ENSMOB8010	P0	4	75-00-3		0ug/kg	T		5	<
B-8R	19910212	4.0	ENSMOB8010	P0	5	75-09-2		0ug/kg	T		5	<
B-8R	19910222	122.5	ENSMOB8020	P0	1	71-43-2		0ug/kg	T		5	<
B-8R	19910222	122.5	ENSMOB8020	P0	2	108-88-3		0ug/kg	T		5	<
B-8R	19910222	122.5	ENSMOB8020	P0	3	100-41-4		0ug/kg	T		5	<
B-8R	19910222	122.5	ENSMOB8020	P0	4	1330-20-7		3ug/kg	T		15	<
SED-1	19920818	1.0	WRL6010	P0	1	7429-90-5		0mg/kg	T	8100.	0.015	
SED-1	19920818	1.0	WRL6010	P0	2	7440-39-3		0mg/kg	T	123.	0.0010	
SED-1	19920818	1.0	WRL6010	P0	3	7440-43-9		0mg/kg	T	1.78	0.0018	
SED-1	19920818	1.0	WRL6010	P0	4	7440-47-3		0mg/kg	T	39.6	0.0036	
SED-1	19920818	1.0	WRL6010	P0	5	7440-50-8		0mg/kg	T	39.8	0.0015	
SED-1	19920818	1.0	WRL6010	P0	6	7439-92-1		0mg/kg	T	167.	0.0130	
SED-1	19920818	1.0	WRL6010	P0	7	7439-96-5		0mg/kg	T	285.	0.00030	
SED-2	19920818	1.0	WRL8270	D1	27	88-06-2		0ug/kg	T		1667.	<
SED-2	19920818	1.0	WRL8270	D1	28	95-95-4		0ug/kg	T		8333.	<
SED-2	19920818	1.0	WRL8270	D1	29	91-58-7		0ug/kg	T		1667.	<
SED-2	19920818	1.0	WRL8270	D1	30	88-74-4		1ug/kg	T		8333.	<
SED-2	19920818	1.0	WRL8270	D1	31	131-11-3		0ug/kg	T		1667.	<
SED-2	19920818	1.0	WRL8270	D1	32	208-96-8		0ug/kg	T		1667.	<
SED-2	19920818	1.0	WRL8270	D1	33	606-20-2		0ug/kg	T		1667.	<
SED-2	19920818	1.0	WRL8270	D1	34	99-09-2		1ug/kg	T		8333.	<
SED-2	19920818	1.0	WRL8270	D1	35	83-32-9		0ug/kg	T		1667.	<
SED-2	19920818	1.0	WRL8270	D1	36	51-28-5		0ug/kg	T		8333.	<
SED-2	19920818	1.0	WRL8270	D1	37	100-02-7		2ug/kg	T		8333.	<
SED-2	19920818	1.0	WRL8270	D1	38	132-64-9		0ug/kg	T		1667.	<
SED-4	19920818	1.0	WRL8270	P0	62	50-32-8		0ug/kg	T		1667.	<
SED-4	19920818	1.0	WRL8270	P0	63	193-39-5		0ug/kg	T		1667.	<
SED-4	19920818	1.0	WRL8270	P0	64	53-70-3		0ug/kg	T		1667.	<
SED-4	19920818	1.0	WRL8270	P0	65	191-24-2		1ug/kg	T		1667.	<
SED-4	19920818	1.0	WRLWETSTLC	P0	1	7440-47-3		0mg/l	S	3.34	0.0036	
SED-4	19920818	1.0	WRLWETSTLC	P0	2	7439-92-1		0mg/l	S	5.56	0.0130	

Variable Fields:

1-SITE ID
2-SAMPLE DATE
3-SAMPLE DEPTH
4-LAB/METHOD CODE
5-REPLICATE
6-SEQUENCE NUMBER
7-CAS NUMBER
8-ALIAS NUMBER
9-UNITS
10-PREPARATION FRACTION CODE
11-CONCENTRATION
12-DETECTION LIMIT
13-DETECTION LIMIT FLAG

TABLE 3
RECORD FIELD DEFINITION

"SOILBLNK.TXT"

VARIABLE FIELD	COL	EXPLANATION	OPTIONS
SAMPLE TYPE	1		S: Soil
LAB/METHOD CODE	10	Code for laboratory and test method, right justified	Laboratories: ENSMOB: Enseco Mobile Lab ENSEC: Enseco Garden Grove BCA: Brown & Caldwell WRL: CWM Western Reg. Lab EARTH: Earth Technology Corp. 8010: Method 8010 8020: Method 8020 6010: Method 6010 7060: Method 7060 7174: Method 7174 8080: Method 8080 8270: Method 8270 8240: Method 8240 8015MOD: Method 8015 Modified WETSTLC: Waste Extr. Test/STLC MERCURY: Mercury (HNO_3 Digest) LEAD: Lead (HNO_3 Digest)
REPLICATE	2	Result is a primary or replicate	Blank: Primary replicate Written column 1 of 2: D: Duplicate S: Split Written column 2 of 2: #: Sequence of replicate (0-9)
BLANK TYPE	2	X#	Column 1 of 2: T: Travel M: Method F: Field
CASE ID	5	QC protocol	PHS2B: RFI Phase IIb
SAMPLE DEFINITION GROUP	15	QC protocol, usually identical to the boring number, left justified	
QA/QC ID	8	QC Protocol, usually the lab batch number, left justified	

CHEMICAL ABSTRACT NUMBER	11	CAS Registry Number, right justified	######-##-#
ALIAS NUMBER	2	GIS/key internal reference	01-99
CONCENTRATION	11	Analytical result	Left justified character string, blank means not detected at DETECTION LIMIT
UNITS	5	Left justified	ug/kg mg/kg mg/l %
SEQUENCE NUMBER	3	Order the constituent appears in the LAB METHOD CODE, right justified	001-999
PREPARATION FRACTION CODE	1		T: Total D: Dissolved S: WET/STLC
DETECTION LIMIT	10		Left justified character string
DETECTION LIMIT FLAG	1		blank: Detected at greater than or equal to the DETECTION LIMIT "<": Not detected

Table 3 Concluded

TABLE 4
SUMMARY FILE EXAMPLE

"SOILBLNK.TXT"

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
SENSMOB8010	F1PHS2BB-1				B519	74-87-3	2		ug/kg	1T5				<
SENSMOB8010	F1PHS2BB-1				B519	74-83-9	2		ug/kg	2T5				<
SENSMOB8010	F1PHS2BB-1				B519	75-01-4	0		ug/kg	3T5				<
SENSMOB8010	F1PHS2BB-1				B519	75-00-3	0		ug/kg	4T5				<
SENSMOB8010	F1PHS2BB-1				B519	75-09-2	0		ug/kg	5T5				<
SENSMOB8010	F1PHS2BB-1				B519	75-69-4	0		ug/kg	6T5				<
SENSMOB8010	F1PHS2BB-1				B519	75-35-4	0		ug/kg	7T5				<
SENSMOB8010	F1PHS2BB-1				B519	75-34-3	0		ug/kg	8T5				<
SENSMOB8010	F1PHS2BB-1				B519	156-60-5	1		ug/kg	9T5				<
SENSMOB8010	F1PHS2BB-1				B519	67-66-3	0		ug/kg	10T5				<
SENSMOB8010	M1PHS2BB-1				B522	124-48-1	0		ug/kg	18T5				<
SENSMOB8010	M1PHS2BB-1				B522	79-00-5	0		ug/kg	19T5				<
SENSMOB8010	M1PHS2BB-1				B522	10061-02-6	0		ug/kg	20T5				<
SENSMOB8010	M1PHS2BB-1				B522	110-75-8	1		ug/kg	21T5				<
SENSMOB8010	M1PHS2BB-1				B522	75-25-2	0		ug/kg	22T5				<
SENSMOB8010	M1PHS2BB-1				B522	127-18-4	2		ug/kg	23T5				<
SENS8240	M1PHS2BB-4				N1132	108-90-7	0		ug/kg	33T5				<
SENS8240	M1PHS2BB-4				N1132	100-41-4	0		ug/kg	34T5				<
SENS8240	M1PHS2BB-4				N1132	100-42-5	0		ug/kg	35T5				<
SENS8240	M1PHS2BB-4				N1132	1330-20-7	3		ug/kg	36T5				<
SENSMOB8010	M1PHS2BB-5				B550	74-87-3	2		ug/kg	1T5				<
SENSMOB8010	M1PHS2BB-5				B550	74-83-9	2		ug/kg	2T5				<
SENSMOB8010	M1PHS2BB-5				B550	75-01-4	0		ug/kg	3T5				<
SENSMOB8010	M1PHS2BB-5				B550	75-00-3	0		ug/kg	4T5				<
SENSMOB8010	M1PHS2BB-5				B550	75-09-2	0		ug/kg	5T5				<
SENSMOB8010	M1PHS2BB-5				B550	75-69-4	0		ug/kg	6T5				<
SENSMOB8010	M1PHS2BB-5				B550	75-35-4	0		ug/kg	7T5				<
SENSMOB8010	M1PHS2BB-5				B550	75-34-3	0		ug/kg	8T5				<
SENSMOB8010	M1PHS2BB-5				B550	156-60-5	1		ug/kg	9T5				<
SENSMOB8010	M1PHS2BB-5				B550	67-66-3	0		ug/kg	10T5				<
SENSMOB8010	M1PHS2BB-5				B550	107-06-2	0		ug/kg	11T5				<
SENSMOB8010	M1PHS2BB-5				B550	71-55-6	0		ug/kg	12T5				<

Variable Fields:

1-SAMPLE TYPE
2-LAB/METHOD CODE
3-REPLICATE
4-BLANK TYPE
5-CASE ID
6-SAMPLE DEFINITION GROUP
7-QC ID
8-CAS NUMBER
9-ALIAS NUMBER
10-CONCENTRATION
11-UNITS
12-SEQUENCE NUMBER
13-PREPARATION FRACTION CODE
14-DETECTION LIMIT
15-DETECTION LIMIT FLAG

TABLE 5
RECORD FIELD DEFINITION

"CASNUM.TXT"

VARIABLE FIELD	COL	EXPLANATION	OPTIONS
CAS NUMBER	11	Chemical Abstract Service (CAS) Registry Number	Generally ######-##-#, however, pseudonyms will begin "GIS".
ALIAS NUMBER	2	Number for Chemical Name Alias	Up to 99 different names for the same chemical (CAS).
CHEMICAL NAME	40	Chemical Name Alias	One of up to 99 alias names.

TABLE 6
SUMMARY FILE EXAMPLE

"CASNUM.TXT"

1	2	3
50-00-0	0	Formaldehyde
50-00-0	1	Methanal
50-00-0	2	Methylene oxide
50-00-0	3	Formalin
50-06-6	0	Phenobarbitol
50-06-6	1	Barbituric acid, 5-ethyl-5-phenyl
50-07-7	0	Mitomycin C
50-14-6	0	Calciferol
50-14-6	1	Vitamin D2
50-14-6	2	Ergocalciferol
50-18-0	0	Cyclophosphamide
50-29-3	0	4,4'-DDT
50-29-3	1	Dichlorodiphenyltrichloroethane
50-29-3	2	DDT
50-32-8	0	Benzo(a)pyrene
50-32-8	1	3,4-Benzopyrene
50-32-8	2	Benzo[a]pyrene (BaP)
50-55-5	0	Reserpine
50-76-0	0	Actinomycin D
51-21-8	0	Fluorouracil
51-21-8	1	Uracil, 5-fluoro-
51-21-8	2	2,4(1H,3H)-Pyrimidinedione, 5-fluoro-
51-28-5	0	2,4-Dinitrophenol
51-28-5	1	Phenol, 2,4-dinitro-
51-28-5	2	Dinitrophenol~ 2,4-
51-43-4	0	Epinephrine
51-43-4	1	Adrenalin
51-44-5	0	3,4-Dichlorobenzoic acid
51-52-5	0	Uracil, 6-propyl-2-thio-
51-52-5	1	Propylthiouracil
51-75-2	4	Chloramin
51-83-2	1	Choline chloride, carbamate
52-24-4	0	Triethylenethiophosphoramide
52-24-4	1	Tris(1-aziridinyl)phosphine sulfide
GIS-310-060	0	Adipates

Variable Fields:

1-CAS NUMBER
2-ALIAS NUMBER
3-CHEMICAL NAME

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Chemical Waste Management, Inc.

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Fremont, California 94538-6337
510/651-2964 Fax: 510/656-4926

MAY 12 1993

May 10, 1993

Mr. Jeffrey Zelikson
Director
U.S. Environmental Protection Agency
Region IX
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San Francisco, California 94105

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Via Certified Mail

Mr. Dennis Dickerson
Regional Administrator
California Environmental Protection Agency
Region III
1011 North Grandview Avenue
Glendale, California 91201

Two Copies
Via Certified Mail

Subject: Oil & Solvent Process Company, Azusa, California - CAD 008302903
RCRA Facility Investigation
March and April 1993 Groundwater Elevation Data

Gentlemen:

Chemical Waste Management, Inc. (CWM) is pleased to present groundwater elevation data collected at the Oil & Solvent Process Company (OSCO) during March and April 1993. OSCO collects frequent water level measurements based on U.S. EPA's request at the meeting between CWM and U.S. EPA on December 23, 1991, and described in CWM's letter dated January 14, 1992.

Measurements were collected using the QED Electronic Water Level Measurement system. Wells MW-01, MW-02, MW-04, and MW-05 were measured on:

- March 9, 1993
- March 17, 1993
- March 23, 1993
- April 1, 1993
- April 8, 1993
- April 15, 1993
- April 19, 1993
- April 30, 1993

MW-03 was measured on April 19 and 30, after the measuring tube for the measurement system was adjusted.

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A summary of groundwater elevation data is presented in Table 1. Figures 1 through 8 show groundwater elevation contours for each measurement date. Groundwater elevations increased during the period. The gradient magnitude average was 0.004 and direction was consistently toward the southeast.

Pursuant to permit condition VI.8.A, The Attachment contains one 5¼-inch, double sided, high density, DOS compatible diskette containing 1 ASCII file. Groundwater measurement data for the above dates are presented in "WATERLEV.TXT". The file contains 34 records, each comprised of seven fields. Table 2 provides a printed example of the field structure and describes the fields of the file "WATERLEV.TXT".

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violation.

Please call me at (510) 651-2964 if you have any questions.

Sincerely,

CHEMICAL WASTE MANAGEMENT, INC.

Marc Yalom, R.G.
Hydrogeologist
Treatment and Land Disposal Operations Group

Attachment (1)

/miy

cc: Mr. Alex Carlos, Los Angeles Regional Water Quality Control Board

TABLE 1

CHEMICAL WASTE MANAGEMENT, INC.
OSCO FACILITY - AZUSA, CALIFORNIA

SUMMARY OF GROUNDWATER ELEVATIONS
March 9 Through April 30, 1993

SITE	DATE	MP ELEVATION feet(2)	TIME	DEPTH TO WATER feet	△ WATER ELEV.(1) feet	WATER ELEV. feet(2)
MW-01	03/09/93	529.20	12:08	259.10	N/A	270.10
MW-01	03/17/93	529.20	12:30	257.96	1.14	271.24
MW-01	03/23/93	529.20	13:13	255.68	2.28	273.52
MW-01	04/01/93	529.20	08:27	251.68	4.00	277.52
MW-01	04/08/93	529.20	12:08	249.38	2.30	279.82
MW-01	04/15/93	529.20	13:09	247.28	2.10	281.92
MW-01	04/19/93	529.20	13:37	246.08	1.20	283.12
MW-01	04/30/93	529.20	13:20	242.82	3.26	286.38
MW-02	03/09/93	525.57	11:24	256.91	N/A	268.66
MW-02	03/17/93	525.57	13:29	255.70	1.21	269.87
MW-02	03/23/93	525.57	12:43	253.67	2.03	271.90
MW-02	04/01/93	525.57	07:55	250.03	3.64	275.54
MW-02	04/08/93	525.57	11:24	247.67	2.36	277.90
MW-02	04/15/93	525.57	12:40	245.55	2.12	280.02
MW-02	04/19/93	525.57	13:18	244.35	1.20	281.22
MW-02	04/30/93	525.57	14:35	241.25	3.10	284.32
MW-03	04/19/93	518.93	12:45	235.93	N/A	283.00
MW-03	04/30/93	518.93	15:00	232.91	3.02	286.02
MW-04	03/09/93	520.36	11:51	251.12	N/A	269.24
MW-04	03/17/93	520.36	13:09	249.99	1.13	270.37
MW-04	03/23/93	520.36	13:53	247.70	2.29	272.66
MW-04	04/01/93	520.36	09:15	243.65	4.05	276.71
MW-04	04/08/93	520.36	11:51	241.35	2.30	279.01
MW-04	04/15/93	520.36	13:28	239.34	2.01	281.02
MW-04	04/19/93	520.36	12:02	238.24	1.10	282.12
MW-04	04/30/93	520.36	13:45	235.01	3.23	285.35
MW-05	03/09/93	519.57	11:34	251.34	N/A	268.23
MW-05	03/17/93	519.57	12:48	250.18	1.16	269.39
MW-05	03/23/93	519.57	13:30	248.00	2.18	271.57
MW-05	04/01/93	519.57	08:45	244.68	3.32	274.89
MW-05	04/08/93	519.57	11:34	241.86	2.82	277.71
MW-05	04/15/93	519.57	13:47	239.78	2.08	279.79

1) Change in Water Elevation since last measurement
2) Datum: Mean Sea Level
3) 00:00: Time of measurement not recorded.

TABLE 1

CHEMICAL WASTE MANAGEMENT, INC.
OSCO FACILITY - AZUSA, CALIFORNIA

SUMMARY OF GROUNDWATER ELEVATIONS
March 9 Through April 30, 1993

SITE	DATE	MP ELEVATION feet(2)	TIME	DEPTH TO WATER feet	△ WATER ELEV.(1) feet	WATER ELEV. feet(2)
MW-05	04/19/93	519.57	13:50	238.62	1.16	280.95
MW-05	04/30/93	519.57	14:08	235.54	3.08	284.03

1) Change in Water Elevation since last measurement
2) Datum: Mean Sea Level
3) 00:00: Time of measurement not recorded.

TABLE 2
CHEMICAL WASTE MANAGEMENT, INC.
OSCO FACILITY - AZUSA, CALIFORNIA

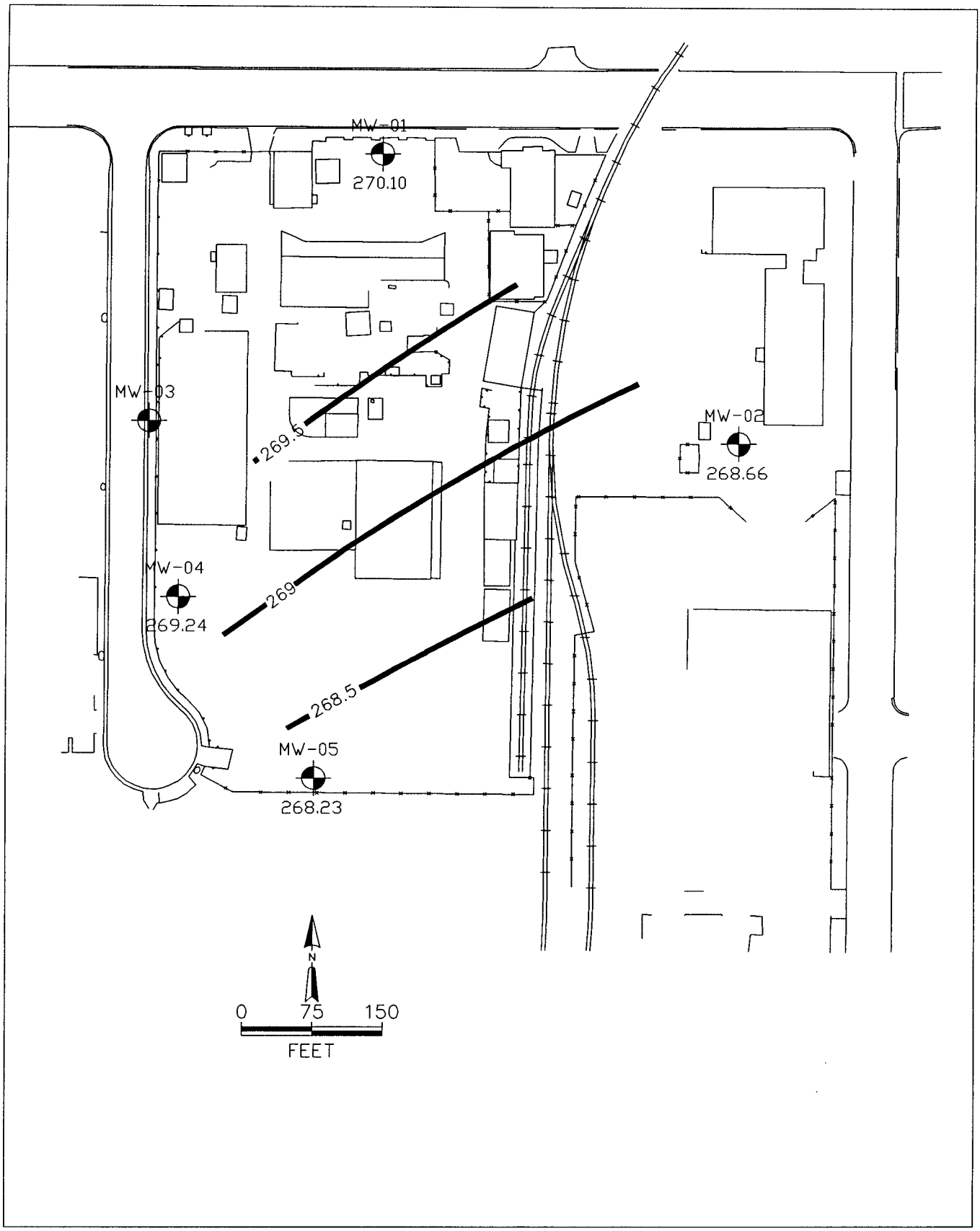
File Format Example
"WATERLEV.TXT"

Fields

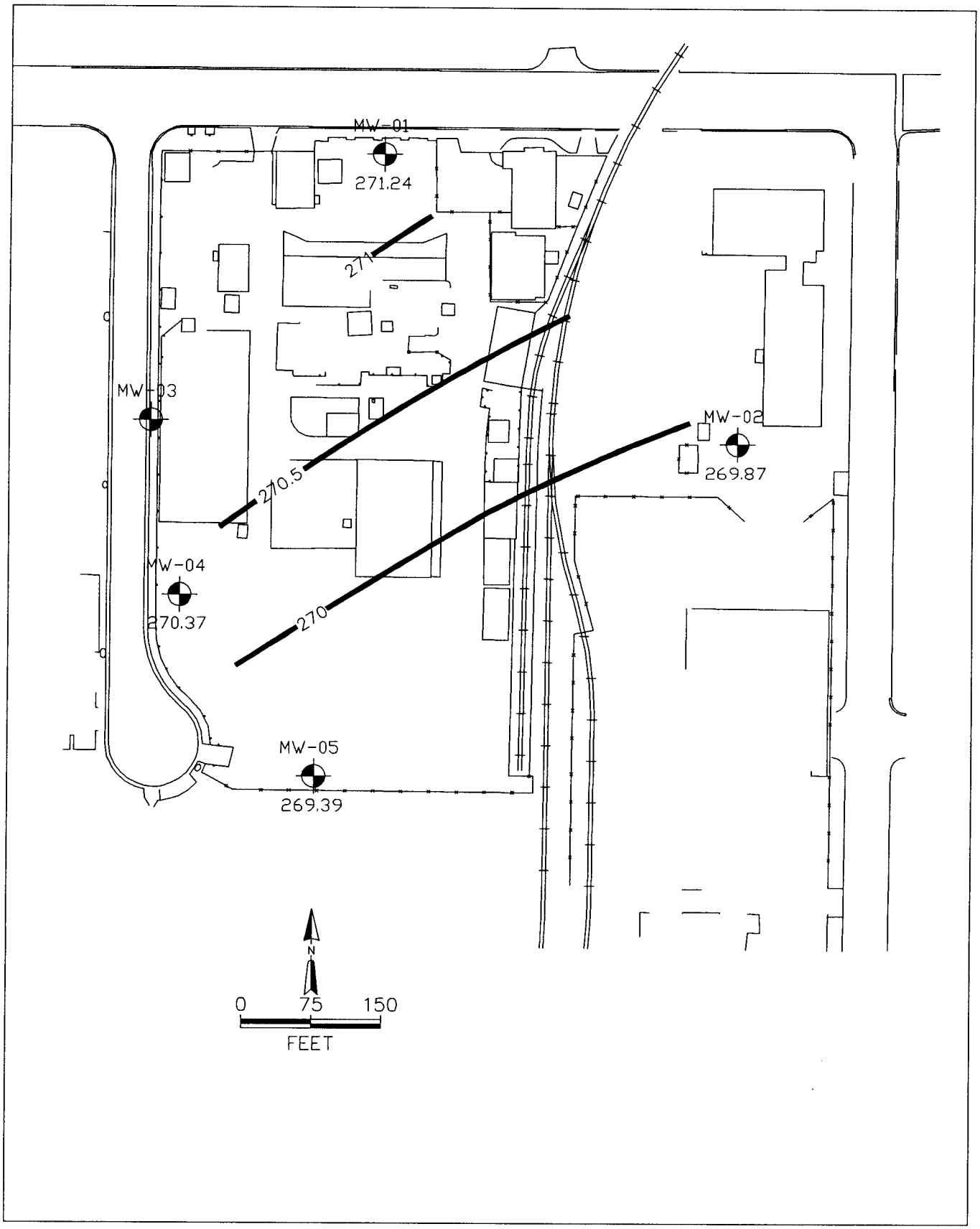
1	2 3 4 5	6	7
MW-01	1993030912:08	259.10	529.20
MW-01	1993031712:30	257.96	529.20
MW-01	1993032313:13	255.68	529.20
MW-01	1993040108:27	251.68	529.20
MW-01	1993040812:08	249.38	529.20
MW-01	1993041513:09	247.28	529.20
MW-01	1993041913:37	246.08	529.20
MW-01	1993043013:20	242.82	529.20
MW-02	1993030911:24	256.91	525.57
MW-02	1993031713:29	255.70	525.57
MW-02	1993032312:43	253.67	525.57
MW-02	1993040107:55	250.03	525.57
MW-02	1993040811:24	247.67	525.57
MW-02	1993041512:40	245.55	525.57
MW-02	1993041913:18	244.35	525.57
MW-02	1993043014:35	241.25	525.57
MW-03	1993041912:45	235.93	518.93
MW-03	1993043015:00	232.91	518.93
MW-04	1993030911:51	251.12	520.36
MW-04	1993031713:09	249.99	520.36
MW-04	1993032313:53	247.70	520.36
MW-04	1993040109:15	243.65	520.36
MW-04	1993040811:51	241.35	520.36
MW-04	1993041513:28	239.34	520.36
MW-04	1993041912:02	238.24	520.36
MW-04	1993043013:45	235.01	520.36
MW-05	1993030911:34	251.34	519.57
MW-05	1993031712:48	250.18	519.57
MW-05	1993032313:30	248.00	519.57
MW-05	1993040108:45	244.68	519.57
MW-05	1993040811:34	241.86	519.57
MW-05	1993041513:47	239.78	519.57
MW-05	1993041913:50	238.62	519.57
MW-05	1993043014:08	235.54	519.57

Variable Fields (Field Width):

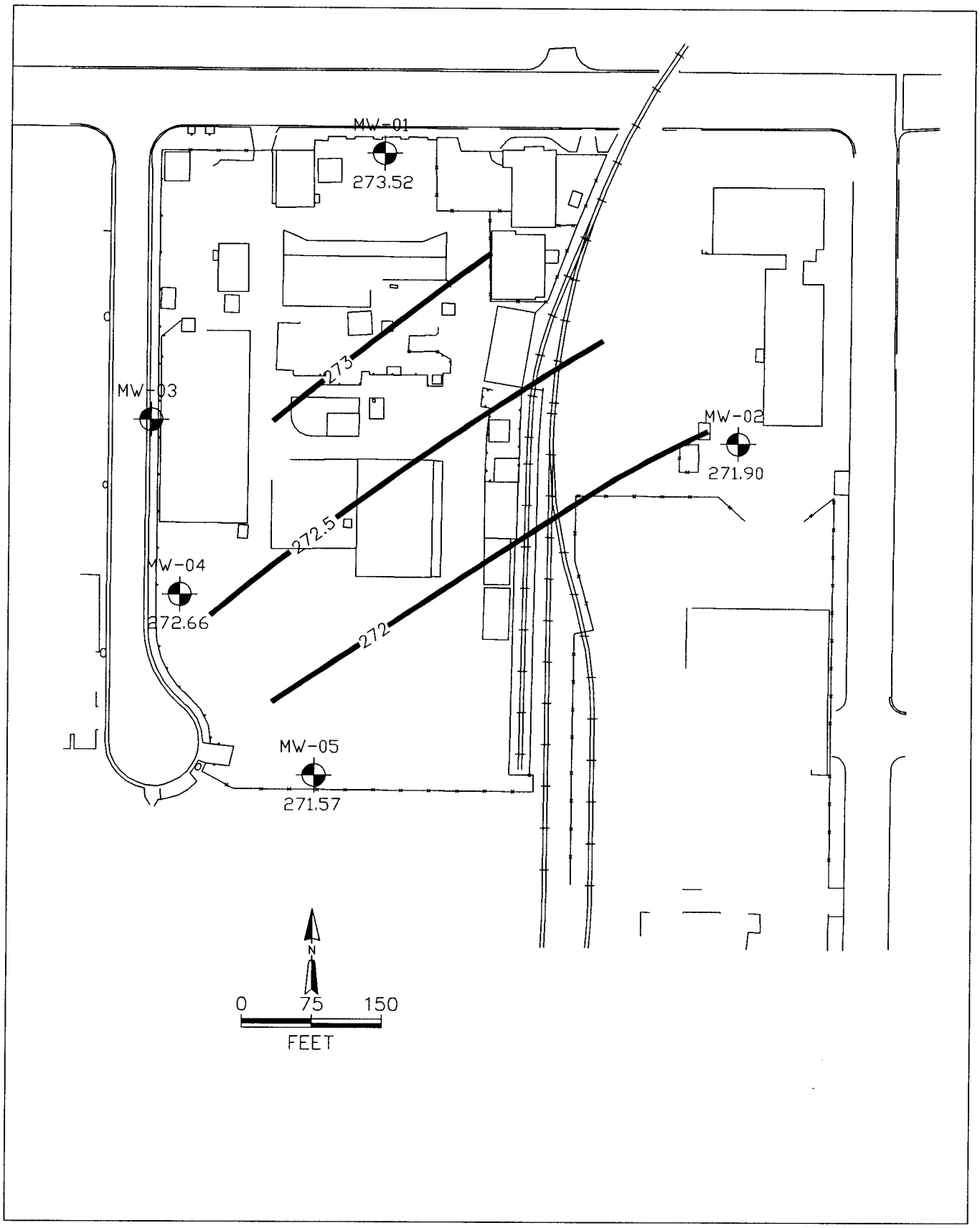
1 - OSCO Well Name (15)
2 - Year (4)
3 - Month (2)
4 - Day (2)
5 - Time-24 hour clock (5)
6 - Depth to Water in feet (7)
7 - Measuring Point Elevation in feet (8)



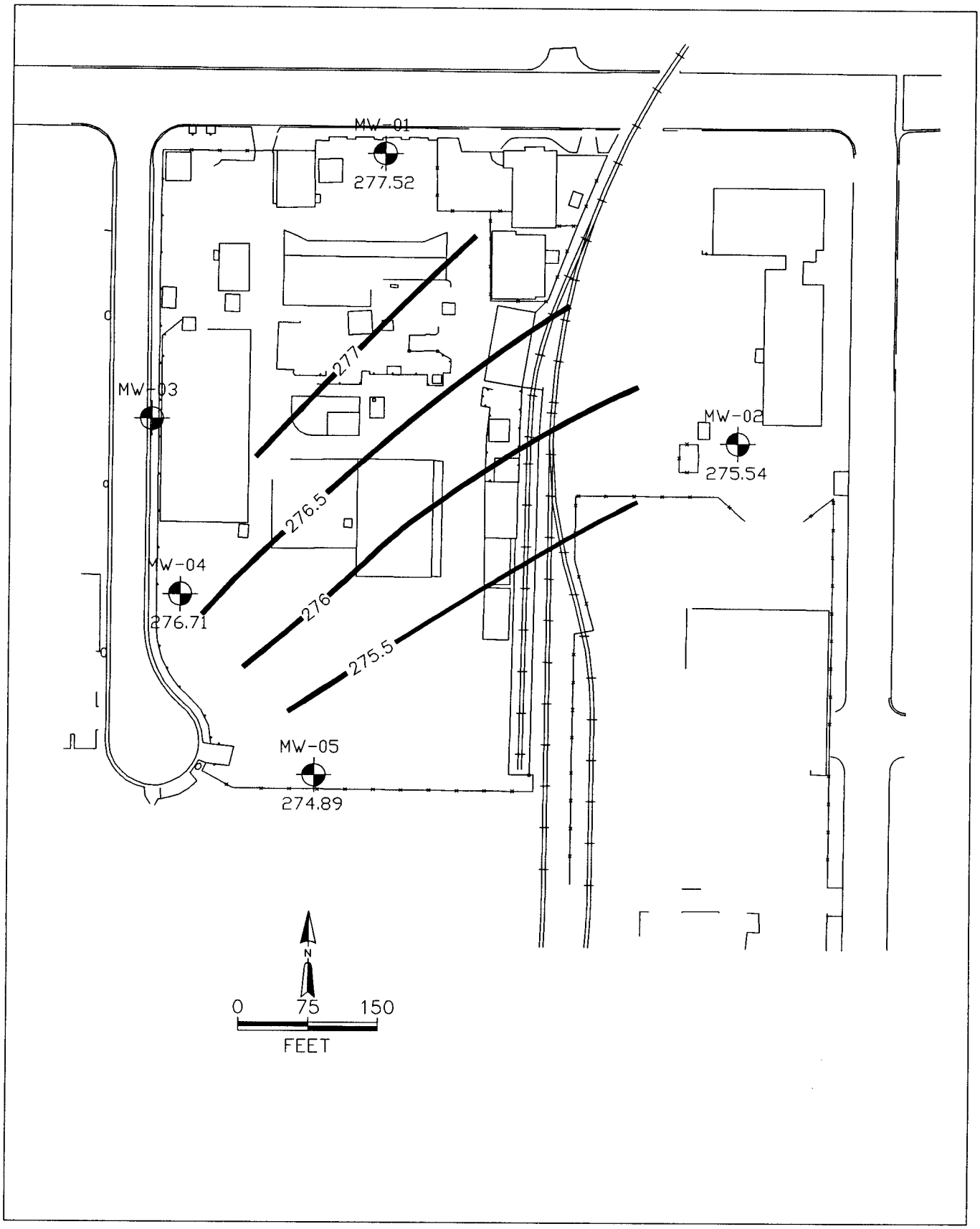
CHEMICAL WASTE MANAGEMENT, INC. OSCO FACILITY Azusa, California	TITLE: GROUNDWATER ELEVATION CONTOURS March 9, 1993	DWN: MIY	DES.:	PROJECT NO.: 68868803
		CHKD:	APPD: MIY	FIGURE NO.: 1
		DATE: 5/7/93	REV.:	



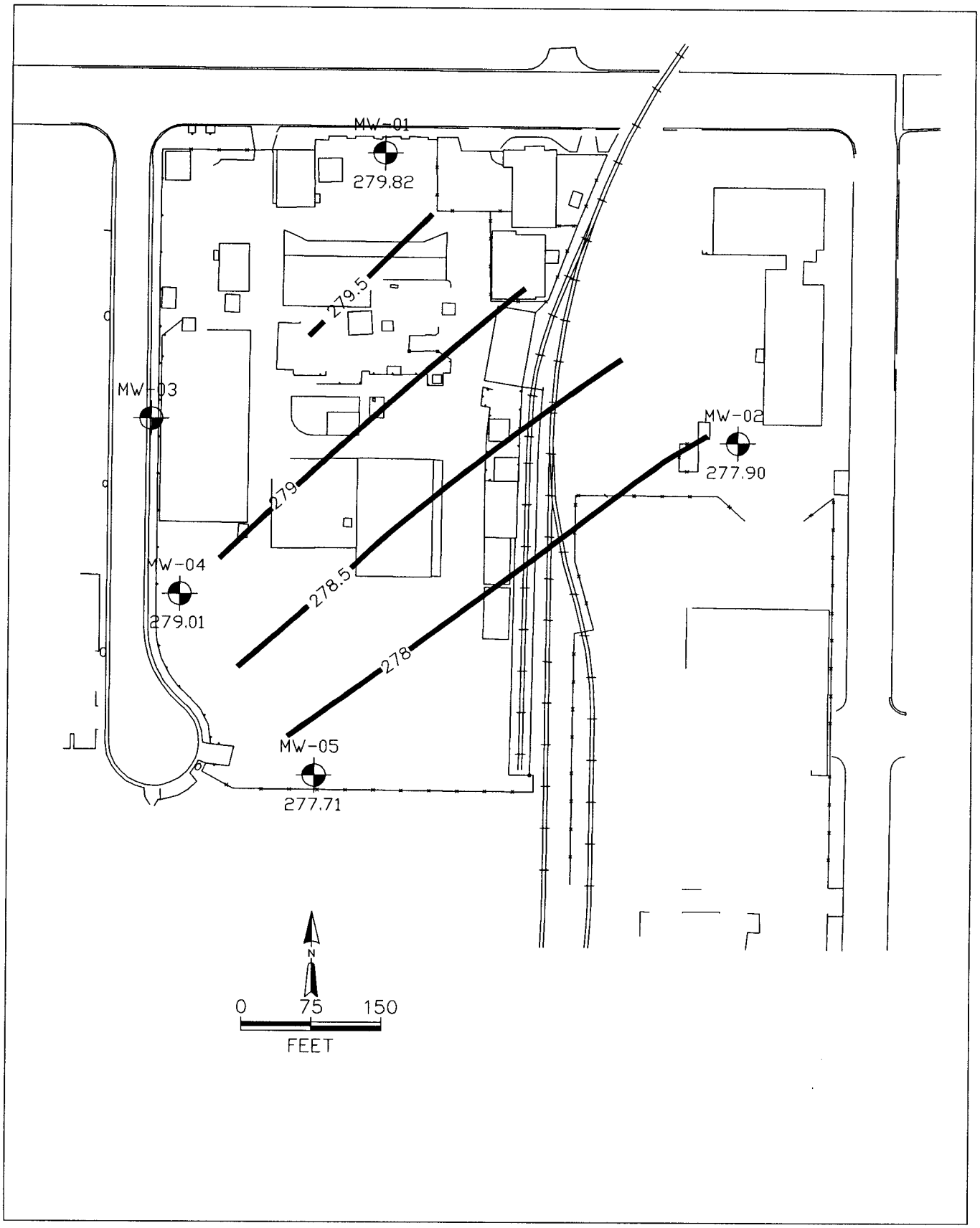
CHEMICAL WASTE MANAGEMENT, INC. OSCO FACILITY Azusa, California	TITLE: GROUNDWATER ELEVATION CONTOURS March 17, 1993	DWN: MIY CHKD: DATE: 5/7/93	DES.: APPD: MIY REV.:	PROJECT NO.: 68868803 FIGURE NO.: 2



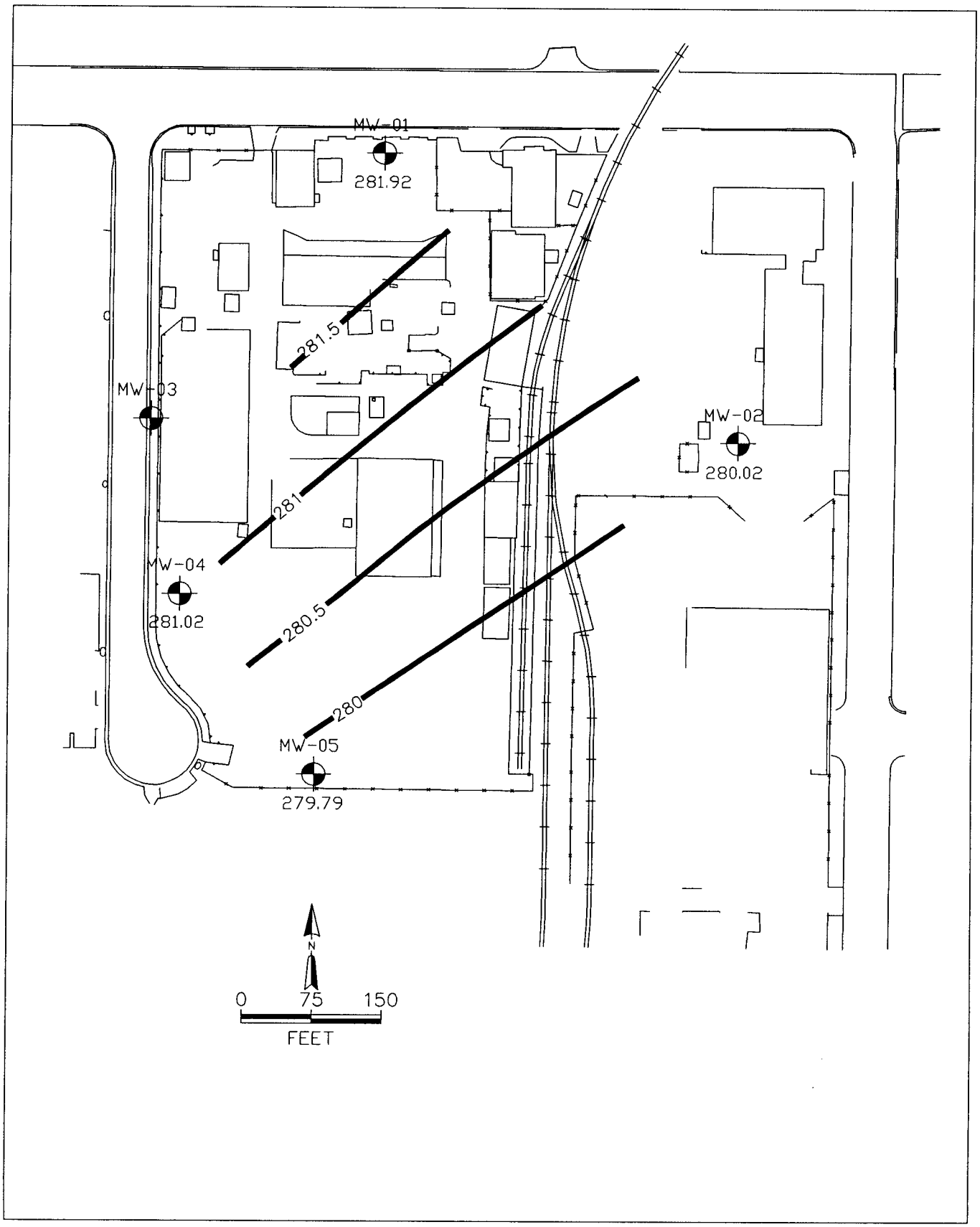
CHEMICAL WASTE MANAGEMENT, INC. OSCO FACILITY Azusa, California	TITLE: GROUNDWATER ELEVATION CONTOURS March 23, 1993	DWN: MIY CHKD: DATE: 5/7/93	DES.: APPD: MIY REV.:	PROJECT NO.: 68868803 FIGURE NO.: 3



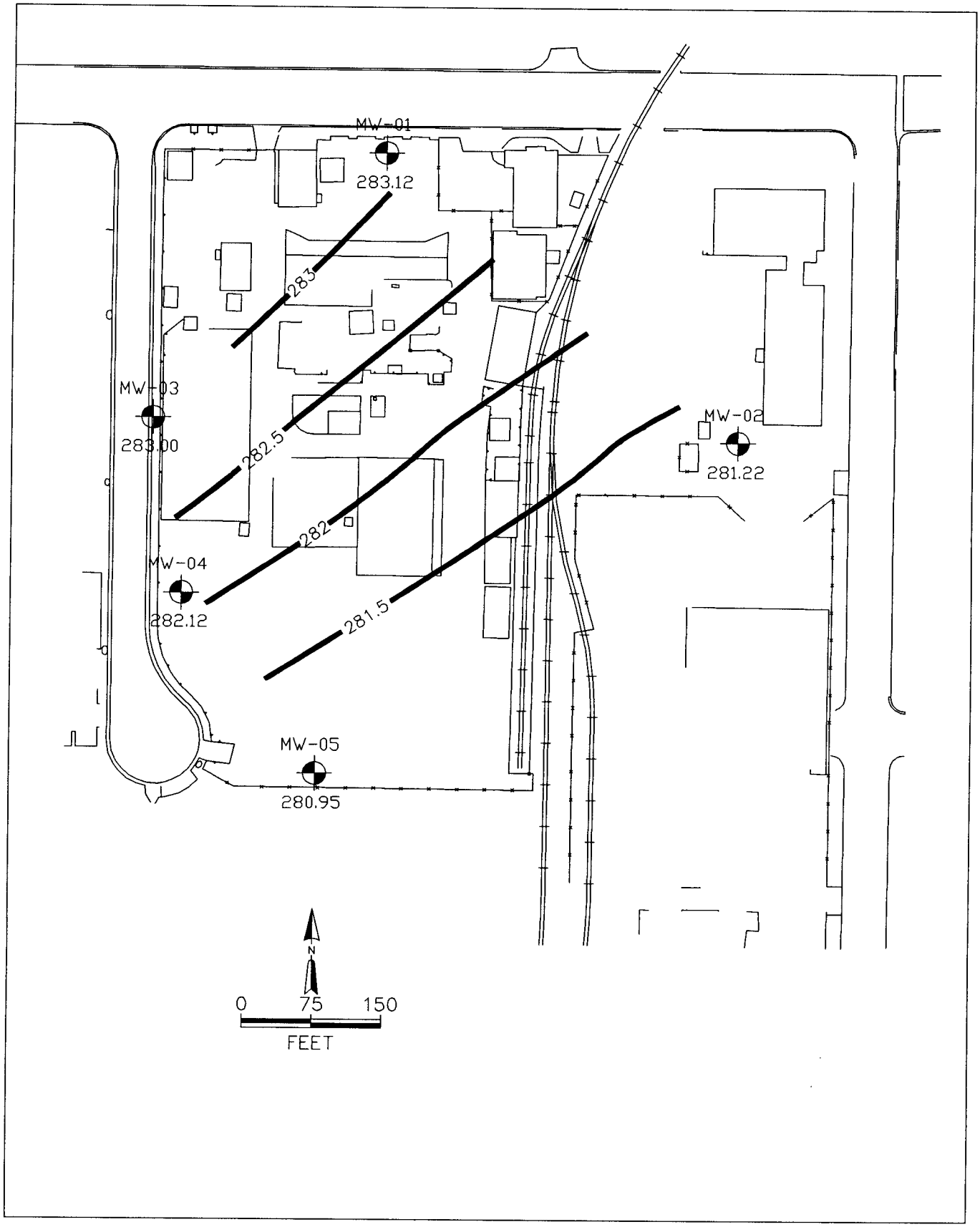
CHEMICAL WASTE MANAGEMENT, INC. OSCO FACILITY Azusa, California	TITLE: GROUNDWATER ELEVATION CONTOURS April 1, 1993	DWN: MIY CHKD: DATE: 5/7/93	DES.: APPD: MIY REV.:	PROJECT NO.: 68868803 FIGURE NO.: 4



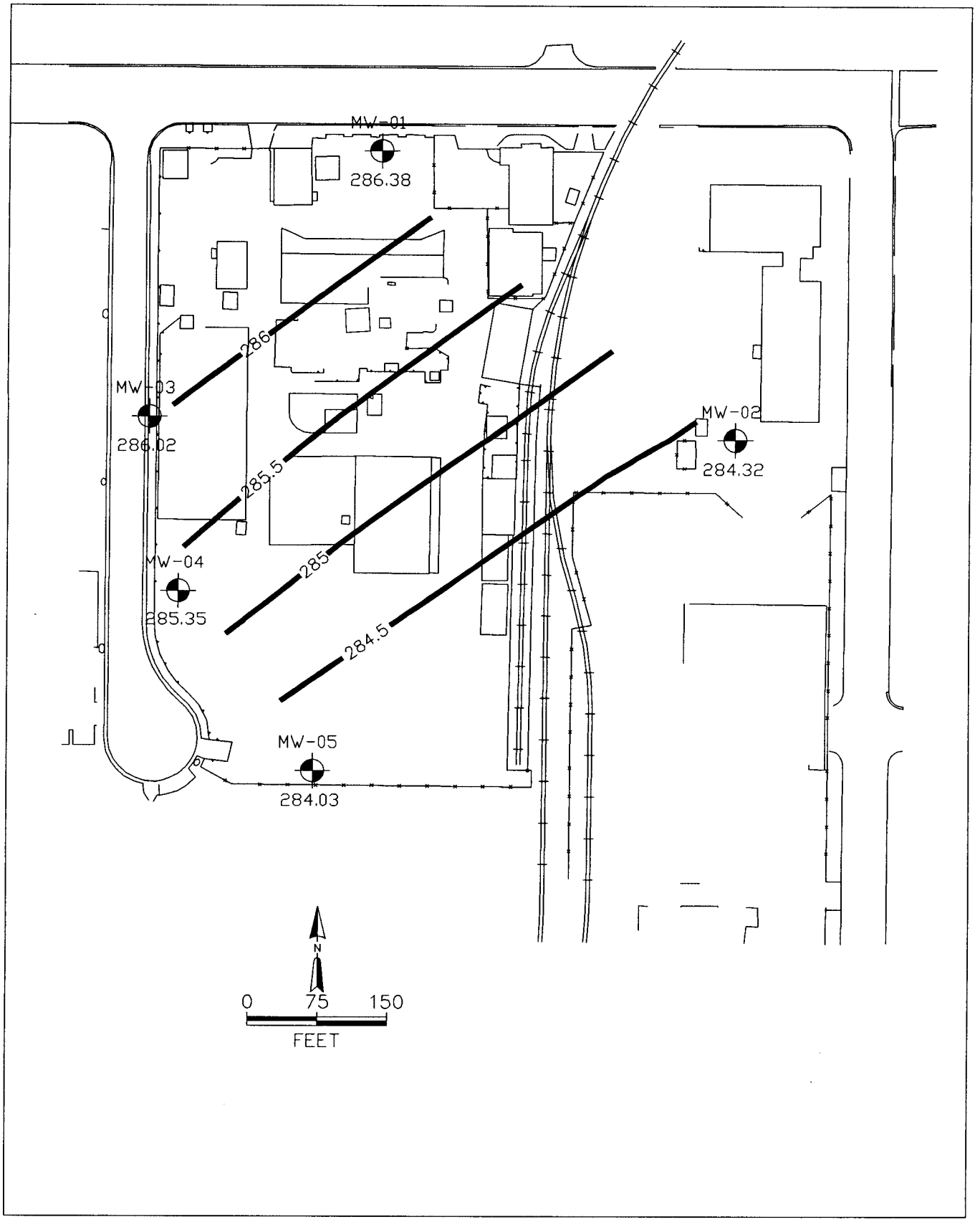
CHEMICAL WASTE MANAGEMENT, INC. OSCO FACILITY Azusa, California	TITLE: GROUNDWATER ELEVATION CONTOURS April 8, 1993	DWN: MIY CHKD: DATE: 5/7/93	DES.: APPD: MIY REV.:	PROJECT NO.: 68868803 FIGURE NO.: 5



CHEMICAL WASTE MANAGEMENT, INC. OSCO FACILITY Azusa, California	TITLE: GROUNDWATER ELEVATION CONTOURS April 15, 1993	DWN: MIY CHKD: DATE: 5/7/93	DES.: APPD: MIY REV.:	PROJECT NO.: 68868803 FIGURE NO.: 6



CHEMICAL WASTE MANAGEMENT, INC. OSCO FACILITY Azusa, California	TITLE: GROUNDWATER ELEVATION CONTOURS April 19, 1993	DWN: MIY CHKD: DATE: 5/7/93	DES.: APPD: MIY REV.:	PROJECT NO.: 68868803 FIGURE NO.: 7



CHEMICAL WASTE MANAGEMENT, INC. OSCO FACILITY Azusa, California	TITLE: GROUNDWATER ELEVATION CONTOURS April 30, 1993	DWN: MIY CHKD: DATE: 5/10/93	DES.: APPD: MIY REV.:	PROJECT NO.: 68868803 FIGURE NO.: 8

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Chemical Waste Management, Inc.

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21

June 16, 1993

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Via Certified Mail

Mr. Dennis Dickerson
Regional Administrator
California Environmental Protection Agency
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Glendale, California 91201

Two Copies
Via Certified Mail

Subject: Oil & Solvent Process Company, Azusa, California - CAD 008302903
RCRA Facility Investigation
Report of April 1993 Groundwater Monitoring Event

Gentlemen:

In accordance with the recommendations presented in the Oil & Solvent Process Company (OSCO) RCRA Facility Investigation (RFI) Final Report[1], and the OSCO RCRA Part B Permit Attachment D, Section E.3.d, Chemical Waste Management, Inc., (CWM) is submitting this report describing the April 1993 Groundwater Monitoring Event at OSCO. CWM is also submitting a computer diskette containing event analytical results. The electronic media submission is required under permit condition VI.8.A.

The data presented herein represent a "snapshot" of conditions at the OSCO facility. A thorough interpretation of conditions of, and relationships between groundwater quality (onsite and offsite), gradient, regional recharge, and regional withdrawals will be presented and interpreted in our Annual Groundwater Report for the OSCO facility. Offsite data for the report are collected periodically by our consultant, Meredith/Boli & Associates. The annual report is tentatively scheduled for release by October 1993.

---

[1]Meredith/Boli and Associates, RCRA Facility Investigation (Phase III), Groundwater Investigation, January 11, 1993.

GROUNDWATER SAMPLING & ANALYSES

SAMPLE COLLECTION

Groundwater sampling by RUST Environment & Infrastructure (RUST) was scheduled for April 1 and 2, 1993. Wells MW-01, MW-02, MW-04 and MW-05 were purged and sampled on April 1. Purging and sampling of MW-03 was completed on April 8 after the City of Azusa completed resurfacing of Peckham Road.

Samples were shipped the day after collection via overnight express to the analytical laboratory.

Details of the field activities are described in a letter report from RUST dated May 14, 1993 (Attachment 1).

ANALYTICAL METHODS

Samples from all five wells, the duplicate sample collected at MW-01, and the Field Blank collected at MW-04, were analyzed by EPA Methods 601/602, and 624. The Travel Blank accompanying the April 2 shipment was analyzed according to Method 602. The Travel Blank accompanying the April 9 shipment was analyzed according to Method 624.

Method 601/602 analyses, previously performed by a Waste Management, Inc. Environmental Monitoring Laboratories (EML) subcontract laboratory are now performed by EML. EML was recently approved by the California Department of Health Services (DHS) Environmental Laboratory Accreditation Program to perform Methods 601/602. A copy of the DHS certificate is presented in Attachment 2.

SAMPLE SHIPMENT AND CHAIN OF CUSTODY DOCUMENTATION

Groundwater samples analyses were shipped according to chain of custody protocol via Federal Express overnight delivery service to EML in Geneva, Illinois, for laboratory analyses.

Samples arrived intact at EML at temperatures at or below 6°C.

GROUNDWATER ANALYTICAL RESULTS

Groundwater samples were analyzed by EML according to EPA Methods 601/602, and 624. Analyses for xylenes and ketones (acetone, MEK, and MIBK), compounds detected in previous OSCO soil investigations, were included in the Method 624 analyses. Certified groundwater analytical results for MW-01, MW-02, MW-04 and MW-05 are presented in Attachment 3. MW-03 certified results are presented in Attachment 4. EML laboratory method designations equate to EPA Methods as follows:

EML Method	EPA Method
VOMSBAO322	624
VOGCHAN201	601
VOGCPAN101	602

The results of the analyses are summarized in Tables 1, 2, and 3, for Methods 601/602, and 624, respectively. Compounds that were present at the highest concentrations were 1,1,1-Trichloroethane; 1,1-Dichloroethene; Tetrachloroethene; and Trichloroethene. Other compounds detected less frequently and at markedly lower concentrations were 1,2-Dichloroethane; Benzene; and Chlorobenzene. Xylenes and ketones were not detected.

QUALITY CONTROL RESULTS

Four quality control samples were collected in the field or provided by EML.

Duplicate at MW-01

Primary and duplicate samples were collected at well MW-01 and analyzed according to Methods 601/602, and 624 (Attachment 3). No compounds were detected by Method 602 analysis in the primary or duplicate samples.

Three compounds were detected in the primary and duplicate samples by Method 601. The relative percent differences[2] (RPD) between samples ranged between 0% and 15% (Table 4).

For Method 624, four compounds were detected in the primary and duplicate samples. The RPDs ranged from 48% to 60% (Table 5).

Field Blank Collected at MW-04

A Field Blank was collected at well MW-04 and analyzed according to Methods 601/602 and 624 (Attachment 3). Contaminants were not detected in the Field Blank.

Travel Blanks

Travel Blanks accompanied samples from both sample shipments (Attachments 3 and 4). The April 2 Blank was analyzed by Method 602. The April 8 Travel Blank was analyzed by Method 624. Contamination was not detected in either Travel Blank.

DISCUSSION

Primary Analytical Results

Noticeable concentration differences between analytical methods for the same analytes are apparent. For wells MW-02 and MW-04, concentrations detected by Method 601 were higher than Method 624 concentrations. The reverse situation was true for MW-01. Concentration differences for MW-04 were mixed, while concentrations at MW-03 and MW-05 are more similar.

CWM requested that EML perform a Data Quality Review (DQR) to determine if quality control requirements of the analyses were attained. EML reported that the laboratory met all quality control requirements and that dates of analyses (i.e. holding times) were not a factor (Attachment 5). The DQR suggested that differences may results from field handling or detection instrument drift.

---

[2]RPD = |Primary - Duplicate| ÷ ((Primary + Duplicate)/2) x 100%

The RUST Project Manager verbally reported that sample containers were filled and handled in a consistent manner. Each set of four bottles for each method was filled in sequential order, matching the bottle number. The order of method collection was also consistent. Containers were filled slowly, at a constant rate by low volume bladder pumps, properly preserved and immediately chilled. It is unlikely that the variation in concentration levels is a result of field sample collection or handling, but rather the result of detection instrument drift.

Comparison of Analytical Methods

As described in this section, the difference of concentrations by different methods is attributed to the qualitative results of Methods 601/602, compared to the quantitative results of Method 624. CWM has investigated and reported the comparison of Methods 601/602 (GC) and 624 (GC/MS)[3]. 40 CFR 136, Appendix A, Method 601, Section 1.2, states:

> "When this method is used to analyze unfamiliar samples...compound identification should be supported by at least one *additional* qualitative technique. This method describes analytical conditions for a second Gas Chromatographic column that can be used to confirm measurements made with the primary column. Method 624 provides GC/MS conditions appropriate for the qualitative *and* quantitative *confirmation* of results for most of the parameters listed above" (emphasis added).

EPA uses GC/MS (Method 624) analyses as the primary method of analyzing VOCs in its RCRA and CERCLA programs. Method 624 is efficient, reliable and has the ability to conduct one analysis for large groups of VOCs using its automated library searches for numerous compounds. A GC typically uses selective detectors that are sensitive to only a limited number of compounds and does not have an automated search feature.

Regarding the duplicate analyte lists presented by Methods 601/602 and 624 required at OSCO, CWM holds that the detections and concentrations determined by Method 624

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[3]Baker, J.A., February 14, 1992, MDLs and PQLs and a Comparison of GC and GC/MS.

are positive and quantitative. The same cannot be said for Methods 601/602 detections. Although EML uses mass spectroscopy for the confirmational analyses for Methods 601/602 detections, the qualitative results of the GC instrument are the reported concentrations.

Because of the qualitative nature of Methods 601/602, the duplication of analytical resources, and the ability of Method 624 to provide reliable quantitative results, CWM is requesting that the agencies allow OSCO to eliminate analyses of groundwater samples by Methods 601/602.

Duplicate Analytical Results

The RPDs between the primary and duplicate Method 624 sample collected at well MW-01 ranged from 48% to 60% (Table 5). RUST reported verbally that the sample containers were filled in the following order:

- Each analytical method was collected as a group;
- The bottle numbers within a method group were filled in ascending order; and
- For one sample bottle number, the primary sample was filled first, then the duplicate sample was filled.

The bottle filling order resulted in an alternating sequence between primary and duplicate samples within a bottle set for each analytical method.

The lower RPDs for Method 601 (Table 4) suggest that field procedures met quality requirements. Based on the information provided in the EML DQR (Attachment 5), the RPDs for Method 624 are likely the result analytical instrument drift within the allowable limits of quality control.

GROUNDWATER LEVEL MEASUREMENTS

Groundwater levels in OSCO wells were measured on the April 1 & 8, 1993 sampling dates. Groundwater level data for these dates were reported to the agencies a letter report dated May 10, 1993. That report included groundwater level information for March and April 1993.

Groundwater elevation data for the sampling dates are presented in Table 6. Groundwater elevation contours are presented in Figures 1 & 2. Both figures illustrate a south-southeast gradient at an approximate magnitude of 0.004.

DATA ON ELECTRONIC MEDIA

Attachment 6 contains one 5¼-inch, double sided, high density, DOS compatible diskette containing 3 ASCII files. The file "OSCOANAL.TXT" contains the well and duplicate samples' analytical results of April 1993 Groundwater Monitoring Events at OSCO. The file is fixed format, containing 432 records, each with 22 fields. Table 7 is a description of the variable fields. Each record contains the analytical result for one chemical constituent. The file was downloaded from our GIS/Key environmental database software and may contain fields superfluous to the agencies' needs. Also note that trailing zeros in the "DETECTION LIMIT" field, which appeared in reporting limits in certified, printed reports, have been eliminated. Table 8 provides a printed example of the "OSCOANAL.TXT" structure.

The file "BLANKS.TXT" contains the results of Travel and Field Blank analyses for the April 1993 event, also downloaded from GIS/Key. The file contains the 115 records, each with 16 fixed length fields. Variable fields are described in Table 9. Table 10 provides a printed example of the "BLANKS.TXT" structure.

Chemicals are identified in "OSCOANAL.TXT" and "BLANKS.TXT" by the Chemical Abstract Service (CAS) Registry Number, not by the chemical name. CAS numbers and associated chemical names are presented in the file "CASNUM.TXT". Table 11 describes the fields for the file "CASNUM.TXT". Table 12 provides a printed example of the "CASNUM.TXT" structure.

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system design to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violation.

I will be contacting your staff in the near future to discuss the proposed reduction in analytical methods for groundwater samples at OSCO. In the mean time, please call me at (510) 651-2964 if you have any questions.

Sincerely,

CHEMICAL WASTE MANAGEMENT, INC.

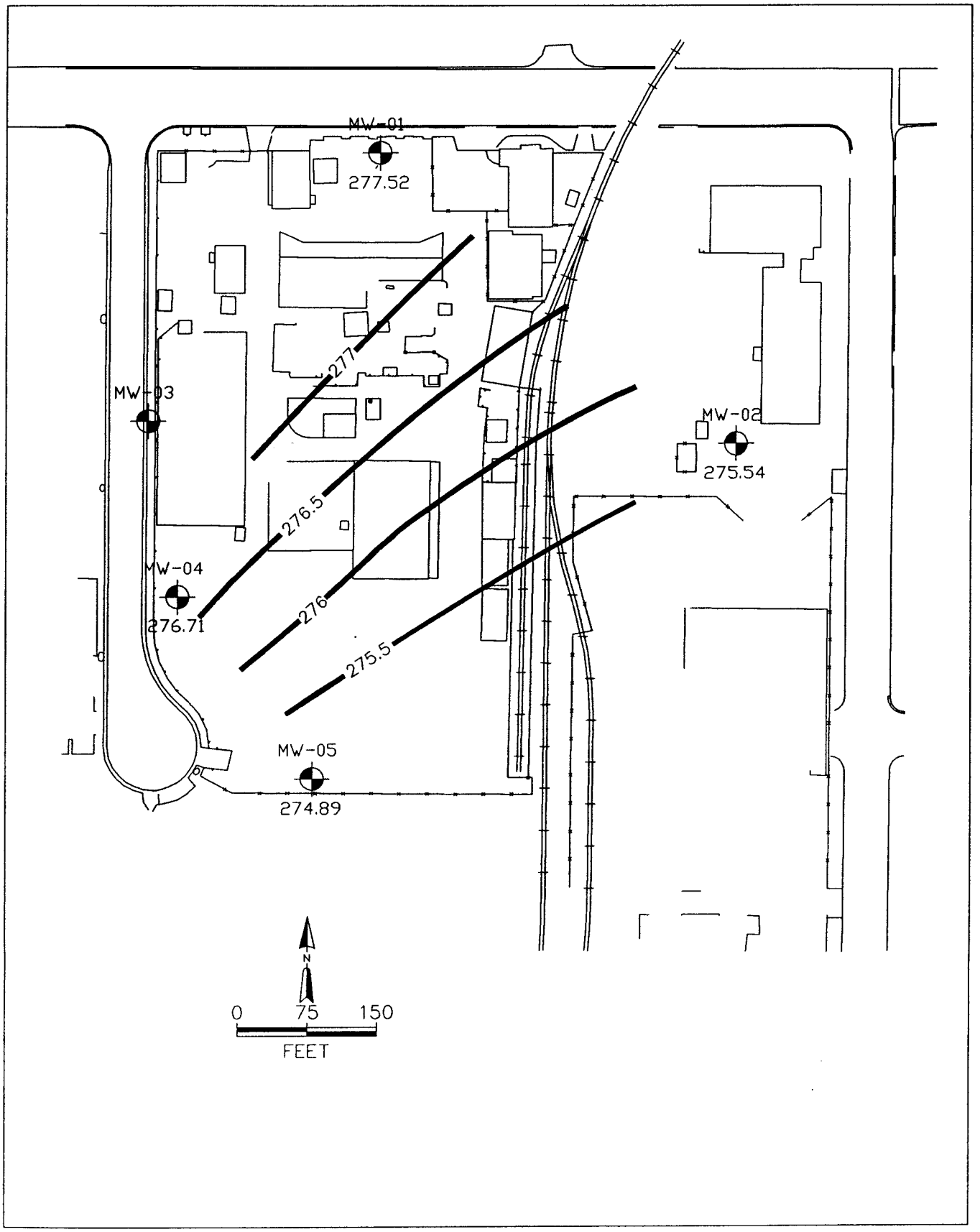
Marc Yalom, R.G.
Hydrogeologist
Treatment and Land Disposal Operations Group

Attachments (6)

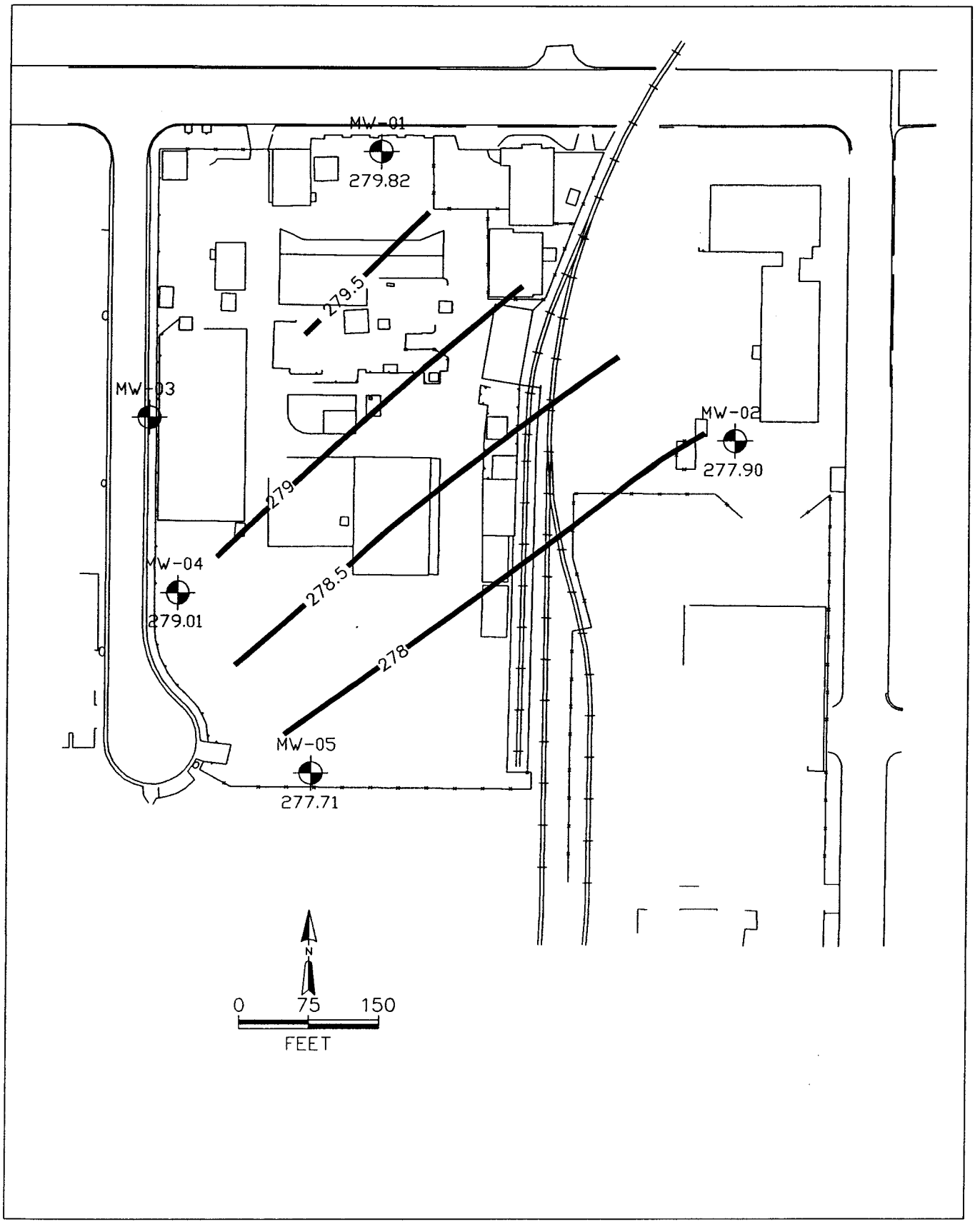
/miy

cc: Director, Los Angeles Regional Water Quality Control Board

FIGURES



CHEMICAL WASTE MANAGEMENT, INC. OSCO FACILITY Azusa, California	TITLE: GROUNDWATER ELEVATION CONTOURS April 1, 1993	DWN: MIY CHKD: DATE: 5/7/93	DES.: APPD: MIY REV.:	PROJECT NO.: 68868803 FIGURE NO.: 1



CHEMICAL WASTE MANAGEMENT, INC. OSCO FACILITY Azusa, California	TITLE: GROUNDWATER ELEVATION CONTOURS April 8, 1993	DWN: MIY CHKD: DATE: 5/7/93	DES.: APPD: MIY REV.:	PROJECT NO.: 68868803 FIGURE NO.: 2

TABLES

TABLE 1

CHEMICAL WASTE MANAGEMENT, INC.
OSCO FACILITY - AZUSA, CALIFORNIA
SUMMARY OF ANALYTICAL RESULTS
April 1993 Groundwater Monitoring Event
EPA Method 601

SITE	DATE	1,1,1-trichloro ethane ug/l	1,1-Dichloro ethene ug/l	1,2-Dichloro ethane ug/l	Tetrachloro ethene ug/l	Trichloroethene ug/l
MW-01	04/01/93	<0.572	11.	<1	43.	38.
MW-02	04/01/93	240.	150.	<20	2100.	1300.
MW-03	04/09/93	9.	17.	<1	61.	64.
MW-04	04/01/93	62.	60.	6.	310.	160.
MW-05	04/01/93	49.	36.	<4	290.	110.

< = Not detected at indicated reporting limit --- = Not sampled and/or analyzed Values represent total concentrations unless noted

Hits only # = Highest of Multiple Results ??? = Duplicate Results

TABLE 2

CHEMICAL WASTE MANAGEMENT, INC.
OSCO FACILITY - AZUSA, CALIFORNIA
SUMMARY OF ANALYTICAL RESULTS
April 1993 Groundwater Monitoring Event
EPA Method 602

SITE	DATE	Benzene ug/l	Chlorobenzene ug/l
MW-01	04/01/93	<0.5	<0.5
MW-02	04/01/93	<0.5	<0.5
MW-03	04/09/93	<0.5	<0.5
MW-04	04/01/93	0.5	1.
MW-05	04/01/93	1.	2.

< = Not detected at indicated reporting limit --- = Not sampled and/or analyzed Values represent total concentrations unless noted
Hits only # = Highest of Multiple Results ??? = Duplicate Results

TABLE 3

CHEMICAL WASTE MANAGEMENT, INC.
OSCO FACILITY - AZUSA, CALIFORNIA
SUMMARY OF ANALYTICAL RESULTS
April 1993 Groundwater Monitoring Event
EPA Method 624

SITE	DATE	1,1,1-trichloro ethane ug/l	1,1-Dichloro ethene ug/l	Tetrachloro ethene ug/l	Trichloroethene ug/l
MW-01	04/01/93	13.	22.	110.	130.
MW-02	04/01/93	80.	87.	330.	620.
MW-03	04/09/93	<5	8.	50.	71.
MW-04	04/01/93	39.	35.	280.	150.
MW-05	04/01/93	59.	36.	390.	190.

< = Not detected at indicated reporting limit --- = Not sampled and/or analyzed Values represent total concentrations unless noted
Hits only # = Highest of Multiple Results ??? = Duplicate Results

TABLE 4

CHEMICAL WASTE MANAGEMENT, INC.
OSCO FACILITY - AZUSA, CALIFORNIA
SUMMARY OF SAMPLE DUPLICATE RESULTS
April 1993 Groundwater Monitoring Event
EPA Method 624

SAMPLE INFORMATION	PRIMARY SAMPLE	FIRST DUPLICATE	SECOND DUPLICATE	THIRD DUPLICATE	FOURTH DUPLICATE	PRECISION SUMMARY	
SITE	MW-01	MW-01				RELATIVE PERCENT DIFFERENCE (RPD)	
FIELD SAMPLE NO	MW-01	DUP					
LAB CODE	EML	EML					
LAB SAMPLE NO	AG7893	AG7894					
CASE NO	93Q02	93Q02					
SDG NO	AQUAPAK 228	AQUAPAK 228				RPD MEASURED	RPD GOAL
BATCH NO	93-11047	93-11047					
COMPOUNDS UNITS ->	ug/l	ug/l				%	%
1,1-Dichloroethene	11.	11.				0	20
Tetrachloroethene	43.	37.				15	20
Trichloroethene	38.	34.				11	20

Hits only

TABLE 5

CHEMICAL WASTE MANAGEMENT, INC.
OSCO FACILITY - AZUSA, CALIFORNIA
SUMMARY OF SAMPLE DUPLICATE RESULTS
April 1993 Groundwater Monitoring Event
EPA Method 624

Date: 06/16/93

SAMPLE INFORMATION	PRIMARY SAMPLE	FIRST DUPLICATE	SECOND DUPLICATE	THIRD DUPLICATE	FOURTH DUPLICATE	PRECISION SUMMARY	
SITE	MW-01	MW-01				RELATIVE PERCENT DIFFERENCE (RPD)	
FIELD SAMPLE NO	MW-01	DUP					
LAB CODE	EML	EML					
LAB SAMPLE NO	AG7893	AG7894					
CASE NO	93Q02	93Q02					
SDG NO	AQUAPAK 228	AQUAPAK 228				RPD MEASURED	RPD GOAL
BATCH NO	93-11047	93-11047					
COMPOUNDS UNITS ->	ug/l	ug/l				%	%
1,1,1-Trichloroethane	13.	7.				60	20
1,1-Dichloroethene	22.	13.				51	20
Tetrachloroethene	110.	66.				50	20
Trichloroethene	130.	80.				48	20

Hits only

TABLE 6

CHEMICAL WASTE MANAGEMENT, INC.
OSCO FACILITY - AZUSA, CALIFORNIA
GROUNDWATER LEVEL MEASUREMENTS
April 1993 Groundwater Monitoring Event

SITE	DATE	MP ELEVATION feet(2)	TIME	DEPTH TO WATER feet	△ WATER ELEV(1) feet	WATER ELEV. feet(2)
MW-01	04/01/93	529.20	08:27	251.68	N/A	277.52
MW-01	04/08/93	529.20	12:08	249.38	2.30	279.82
MW-02	04/01/93	525.57	07:55	250.03	N/A	275.54
MW-02	04/08/93	525.57	11:24	247.67	2.36	277.90
MW-04	04/01/93	520.36	09:15	243.65	N/A	276.71
MW-04	04/08/93	520.36	11:51	241.35	2.30	279.01
MW-05	04/01/93	519.57	08:45	244.68	N/A	274.89
MW-05	04/08/93	519.57	11:34	241.86	2.82	277.71

1) Change in Water Elevation since last measurement

2) Datum: Mean Sea Level

TABLE 7
DEFINITIONS OF VARIABLE FIELDS

"OSCOANAL.TXT"

VARIABLE FIELD	COL	EXPLANATION	OPTIONS
SITE ID	15	Sample Source (i.e., well)	MW-01 MW-02 MW-03 MW-04 MW-05 (all left justified)
SAMPLE DATE	8	Sample Date	YYYYMMDD
SAMPLE TIME	5	Sample Time (24 hour clock)	HH:MM
TEMPLATE CONSTITUENT LIST	10	Code for test analytical method	EMLVOCS = Method 624 VOGCHAN201 = Method 601 VOGCPAN101 = Method 602
REPLICATE	2	Result is a Primary (P0) result or a Replicate result	Column 1: P = Primary D = Duplicate S = Split Column 2: # = Replicate number (0-9)
SEQUENCE NUMBER	3	GIS/Key Internal Reference	1-999
CHEMICAL ABSTRACT NUMBER	11	Chemical Abstract Service (CAS) Registry Number	######-##-#
ALIAS NUMBER	2	GIS/Key Internal Reference	1 - 99
UNITS	5		ug/l mg/l
PREPARATION FRACTION CODE	1		T = Total D = Dissolved
CONCENTRATION	11	Analytical Result	Left Justified Character String, blank = Not Detected
DETECTION LIMIT	10		Left Justified character string
DETECTION LIMIT FLAG	1		blank = Detected at greater than or equal to Detection Limit "<" = Not Detected
CRC	1	EPA CLP Concentration Qualification Code	Not Used by OSCO Labs

CRM	2	EPA CLP Method Qualification Code	Not Used by OSCO Labs
CRQ	2	EPA CLP Data Quality Qualification Code	Not Used by OSCO Labs
LAB REVIEW QUALIFIER	2	Qualifier Class	A = EML Qualifiers
LAB REVIEW CODE 1	2	Qualifier	See EML Qualifier List
LAB REVIEW CODE 2	2	Qualifier	See EML Qualifier List
LAB REVIEW CODE 3	2	Qualifier	See EML Qualifier List
CERTIFIED	1		blank
PROGRAM TYPE	1		A = Routine Monitoring

Table 7 Concluded

TABLE 8
ASCII FILE EXAMPLE

"OSCOANAL.TXT"

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
MW-01	1992081011:40EMLVOCS			P0	15	74-83-9		2ug/l	T		50	<				HSMX				A	
MW-01	1992081011:40EMLVOCS			P0	16	56-23-5		0ug/l	T		10	<				HSMX				A	
MW-01	1992081011:40EMLVOCS			P0	17	108-90-7		0ug/l	T		50	<				HSMX				A	
MW-01	1992081011:40EMLVOCS			P0	18	75-00-3		0ug/l	T		100	<				HSMX				A	
MW-01	1992081011:40EMLVOCS			P0	19	67-66-3		0ug/l	T		50	<				HSMX				A	
MW-01	1992081011:40EMLVOCS			P0	20	74-87-3		2ug/l	T		100	<				HSMX				A	
MW-01	1992081011:40EMLVOCS			P0	21	10061-01-5		0ug/l	T		50	<				HSMX				A	
MW-01	1992081011:40EMLVOCS			P0	22	124-48-1		0ug/l	T		50	<				HSMX				A	
MW-01	1992081011:40EMLVOCS			P0	23	100-41-4		0ug/l	T		50	<				HSMX				A	
MW-01	1992081011:40EMLVOCS			P0	24	75-09-2		0ug/l	T		50	<				HSMX				A	
MW-01	1992081011:40EMLVOCS			P0	25	127-18-4		2ug/l	T320		50					HSMX				A	
MW-01	1992081011:40EMLVOCS			P0	26	108-88-3		0ug/l	T		50	<				HSMX				A	
MW-01	1992081011:40EMLVOCS			P0	27	156-60-5		1ug/l	T		50	<				HSMX				A	
MW-01	1992081011:40EMLVOCS			P0	28	10061-02-6		0ug/l	T		50	<				HSMX				A	
MW-01	1992081011:40EMLVOCS			P0	29	79-01-6		3ug/l	T280		50					HSMX				A	
MW-01	1992081011:40EMLVOCS			P0	30	75-69-4		0ug/l	T		50	<				HSMX				A	
MW-01	1992081011:40EMLVOCS			P0	31	75-01-4		0ug/l	T		100	<				HSMX				A	
MW-01	1992081011:40EMLVOCS			P0	32	1330-20-7		7ug/l	T		50	<				HSMX				A	
MW-01	1992081011:40EMLVOCS			P0	33	78-93-3		2ug/l	T		100	<				HSMX				A	
MW-01	1992081011:40EMLVOCS			P0	34	108-10-1		4ug/l	T		100	<				HSMX				A	
MW-01	1992081011:40EMLVOCS			P0	35	67-64-1		0ug/l	T		340	<				HSMX				A	
MW-01	1992081011:40EMLVOCS			P0	36	95-47-6		0ug/l	T		50	<				HSMX				A	
MW-01	1992081011:40ENSECO601			P0	1	71-55-6		0ug/l	T92		5					NQSB				A	
MW-01	1992081011:40ENSECO601			P0	2	79-34-5		0ug/l	T		5	<								A	
MW-01	1992081011:40ENSECO601			P0	3	79-00-5		0ug/l	T		5	<								A	
MW-01	1992081011:40ENSECO601			P0	4	75-34-3		0ug/l	T		5	<								A	
MW-01	1992081011:40ENSECO601			P0	5	75-35-4		5ug/l	T		5	<								A	
MW-01	1992081011:40ENSECO601			P0	6	95-50-1		0ug/l	T		5	<								A	
MW-01	1992081011:40ENSECO601			P0	7	107-06-2		0ug/l	T		5	<								A	

Variable Fields:

1-SITE ID
2-SAMPLE DATE
3-SAMPLE TIME
4-TEMPLATE CONSTITUENT LIST
5-REPLICATE
6-SEQUENCE NUMBER
7-CAS NUMBER
8-ALIAS NUMBER
9-UNITS
10-PREPARATION FRACTION CODE
11-CONCENTRATION
12-DETECTION LIMIT
13-DETECTION LIMIT FLAG
14-CRC
15-CRM
16-CRQ
17-LAB REVIEW QUALIFIER
18-LAB REVIEW CODE 1
19-LAB REVIEW CODE 2
20-LAB REVIEW CODE 3
21-CERTIFIED
22-PROGRAM

TABLE 9
DEFINITIONS OF VARIABLE FIELDS

"BLANKS.TXT"

VARIABLE FIELD	COL	EXPLANATION	OPTIONS
SAMPLE TYPE	1		W = (Ground)water
TEMPLATE CONSTITUENT LIST	10	Code for analytical method	EMLVOCS = Method 624 VOGCHAN201 = Method 601 VOGCPAN101 = Method 602
REPLICATE	2	Result is a Primary (P0) result or a Replicate result	Generally blank, Column 1: P = Primary D = Duplicate S = Split Column 2: # = Replicate number (0-9)
BLANK TYPE	2	X#	X: T = Travel F = Field #: Series number
CASE ID	5	EPA QC Protocol, OSCO uses YYX#	YY: Year X: Q - Quarterly #: Quarter Number
SAMPLE DEFINITION GROUP	15	EPA QC Protocol, OSCO uses AquaPak Number	
QA/QC ID	8	Laboratory Event Notification System (ENS) Number	93-XXXXX
CHEMICAL ABSTRACT NUMBER	11	Chemical Abstract Service (CAS) Registry Number	######-##-#
ALIAS NUMBER	2	GIS/Key Internal Reference	1 - 99
CONCENTRATION	11	Analytical Result	Left justified character string; blank = Not Detected
UNITS	5		ug/l mg/l
SEQUENCE NUMBER	3	Order the constituent appears in the TEMPLATE CONSTITUENT LIST	1-999
PREPARATION FRACTION CODE	1		T = Total D = Dissolved

DETECTION LIMIT	10		Left justified character string
DETECTION LIMIT FLAG	1		blank = Detected at greater than or equal to Detection limit "<" = Not Detected
PROGRAM TYPE	1		A = Routine Monitoring

Table 9 Concluded

TABLE 10
ASCII FILE EXAMPLE

"BLANKS.TXT"

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	71-55-6	0		ug/l		1T5			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	79-34-5	0		ug/l		2T5			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	79-00-5	0		ug/l		3T5			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	75-34-3	0		ug/l		4T5			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	75-35-4	5		ug/l		5T5			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	95-50-1	2		ug/l		6T10			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	107-06-2	0		ug/l		7T5			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	78-87-5	0		ug/l		8T5			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	541-73-1	2		ug/l		9T10			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	106-46-7	3		ug/l		10T10			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	110-75-8	2		ug/l		11T20			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	71-43-2	0		ug/l		12T5			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	75-27-4	0		ug/l		13T5			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	75-25-2	0		ug/l		14T5			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	74-83-9	2		ug/l		15T10			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	56-23-5	0		ug/l		16T5			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	108-90-7	0		ug/l		17T5			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	75-00-3	0		ug/l		18T10			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	67-66-3	0		ug/l		19T5			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	74-87-3	2		ug/l		20T10			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	10061-01-5	0		ug/l		21T5			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	124-48-1	0		ug/l		22T5			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	100-41-4	0		ug/l		23T5			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	75-09-2	0		ug/l		24T5			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	127-18-4	2		ug/l		25T5			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	108-88-3	0		ug/l		26T5			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	156-60-5	1		ug/l		27T10			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	10061-02-6	0		ug/l		28T5			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	79-01-6	3		ug/l		29T5			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	75-69-4	0		ug/l		30T10			<A
WEMLVOCS		T193Q02AQUAPAK		2035		93-11536	75-01-4	0		ug/l		31T10			<A

Variable Fields:

1-SAMPLE TYPE
2-TEMPLATE CONSTITUENT LIST
3-REPLICATE
4-BLANK TYPE
5-CASE ID
6-SAMPLE DEFINITION GROUP
7-QA/QC ID
8-CAS NUMBER
9-ALIAS NUMBER
10-CONCENTRATION
11-UNITS
12-SEQUENCE NUMBER
13-PREPARATION FRACTION CODE
14-DETECTION LIMIT
15-DETECTION LIMIT FLAG
16-PROGRAM TYPE

TABLE 11
DEFINITIONS OF VARIABLE FIELDS

"CASNUM.TXT"

VARIABLE FIELD	COL	EXPLANATION	OPTIONS
CAS NUMBER	11	Chemical Abstract Service (CAS) Registry Number	Generally ######-##-#, however, pseudonyms will begin "GIS".
ALIAS NUMBER	2	Number for Chemical Name Alias	Up to 99 different names for the same chemical (CAS).
CHEMICAL NAME	40	Chemical Name Alias	One of up to 99 alias names.

TABLE 12
ASCII FILE EXAMPLE

"CASNUM.TXT"

```
    1      2                  3
_________  ___________________________________
   50-00-0 0Formaldehyde
   50-00-0 1Methanal
   50-00-0 2Methylene oxide
   50-00-0 3Formalin
   50-06-6 0Phenobarbitol
   50-06-6 1Barbituric acid, 5-ethyl-5-phenyl
   50-07-7 0Mitomycin C
   50-14-6 0Calciferol
   50-14-6 1Vitamin D2
   50-14-6 2Ergocalciferol
   50-18-0 0Cyclophosphamide
   50-29-3 04,4'-DDT
   50-29-3 1Dichlorodiphenyltrichloroethane
   50-29-3 2DDT
   50-32-8 0Benzo(a)pyrene
   50-32-8 13,4-Benzopyrene
   50-32-8 2Benzo[a]pyrene (BaP)
   50-55-5 0Reserpine
   50-76-0 0Actinomycin D
   51-21-8 0Fluorouracil
   51-21-8 1Uracil, 5-fluoro-
   51-21-8 22,4(1H,3H)-Pyrimidinedione, 5-fluoro-
   51-28-5 02,4-Dinitrophenol
   51-28-5 1Phenol, 2,4-dinitro-
   51-28-5 2Dinitrophenol~ 2,4-
   51-43-4 0Epinephrine
   51-43-4 1Adrenalin
   51-44-5 03,4-Dichlorobenzoic acid
   51-52-5 0Uracil, 6-propyl-2-thio-
   51-52-5 1Propylthiouracil
   51-75-2 4Chloramin
   51-83-2 1Choline chloride, carbamate
   52-24-4 0Triethylenethiophosphoramide
   52-24-4 1Tris(1-aziridinyl)phosphine sulfide
GIS-310-060 0Adipates
_________
```

Variable Fields:

1-CAS NUMBER 2-ALIAS NUMBER 3-CHEMICAL NAME

ATTACHMENT 1

DESCRIPTION OF FIELD ACTIVITIES

RUST ENVIRONMENT & INFRASTRUCTURE

Formerly SEC Donohue

RUST Environment & Infrastructure Inc.
1313 West Clark Street • Pasco, WA 99301
P.O. Box 2297 • Tri-Cities, WA 99302
Tel. (509) 545-4402 • FAX (509) 547-8752

JUN 1993
RECEIVED
Western Region
Environmental
Mgt. Dept.
C.W.M.I.

May 14, 1993

Mr. Marc Yalom, R.G.
Chemical Waste Management, Inc.
Treatment and Land Disposal Operations Group
4227 Technology Drive
Fremont, California 94538-6337

SUBJECT: DAILY SAMPLING SUMMARY FROM THE SECOND QUARTER MONITORING AND SAMPLING EVENT AT THE CHEMICAL WASTE MANAGEMENT, INC., OSCO FACILITY, LOCATED AT 107 SOUTH MOTOR AVENUE, AZUSA, CALIFORNIA 91702. RUST E & I PROJECT NUMBER IS 80434.010.

Dear Marc,

The following brief summary details the daily events and field measurements obtained during the second quarter ground water monitoring and sampling at the OSCO facility. Second quarter sampling was performed on April 1 and 8, 1993. Waste Management Inc., Environmental Monitoring Laboratory (WMI-EML) event numbers are 93-11047 and 93-11536 for sampling activity on April 1 and April 8, respectively.

AquaPak Inspection

Two large EML AquaPaks (Nos. 228 and 335), received by RUST E & I's Ontario office on March 16, were inspected by Terry McPhetridge and Al Romeo on March 19, 1993. EML supplied pre-labelled identification labels each with printed bar-code detailing bottle set number, testing method, target analyses, type of preservative, and sampling filtration requirements on the 40 ml glass sample containers. EML bottle set identification numbers are AG7892, AG7893, AG7894, AG7895, AG7896, AG7897, and AG7898. Following inspection, each sample container was confirmed to be accurate.

WMI-EML event number 93-11536 consisted of one AquaPak (No. 2035), received by RUST E & I's Ontario office on April 5, 1993. Following inspection, each sample container was confirmed to be accurate.

Thursday, April 1, 1993

On-site personnel were Mr. Marc Yalom (MY) from CWM-TALDOG, Terry McPhetridge (TM) and Al Romeo (AR) from RUST E & I's Ontario, CA office. Weather conditions while sampling consisted of a clear and sunny sky with ambient temperatures ranging between 65° - 70° F.

Calibration of the Well Wizard Water Level Instrument Model 6010E was performed by AR. Water level of the graduated calibration tube set at 1.62 feet. Well Wizard 6010E recording 1.62 feet of probe submergence. Water level unit calibration event completed prior to measuring.

Before initiating purging and sampling activity, water level depths were measured in four of the five on-site ground water monitoring wells, that is, MW-01, MW-02, MW-04, and MW-05. Water level data in MW-03 was approximated by extrapolating ground water contour intervals calculated from water elevations in the four other wells.

Well ID	Probe Depth	Probe Submergence Depth	Water Level Depth
MW-01	266.34	14.66	251.68
MW-02	264.36	14.33	250.03
MW-03	N/A	N/A	239.13*
MW-04	257.84	14.19	243.65
MW-05	258.81	14.13	244.68

* Groundwater level depth is an estimation only; by extrapolating groundwater elevation contours from the four other onsite wells.

Well site inspection revealed only one to two 55 gallon drums were delivered to each well location. TM notified Mr. Frank Ford of OSCO regarding this problem and he immediately responded to our request.

Field stabilization measurements were performed using a PrestaTek Model DSPH-3 pH/SC instrument. Calibration of the PrestaTek meter was performed to ensure precision and accuracy of the field readings concerning ground water stabilization of pH and specific conductance. Water temperature was measured using a Micronta temperature probe.

pH/SC Instrument Calibration Measurements:

Date	Time	Rd7	Cal7	Rd4	Cal4	Rd10	Cal10	SC	SC Cal
4/1	9:00	7.08	7.00	4.00	4.00	9.95	10.00	-0.04	0.00
		7.04	7.00						

Sampling order of wells was initially MW-05, MW-04, MW-01 and lastly MW-02.

Well Purging and Sampling Documentation
April 1, 1993

MW-01 Purging and Sampling

Purge volume calculations:

266.34 - 14.66 = 251.68 ft.
335.00 - 251.68 = 83.32 ft. (Water Column Height)
83.32 x 1.02 = 84.9864 x 3 = 254.96 gallons (3 Well Volumes)

Purge Data:

Start/Finish Time = 12:37/13:05
Elapsed Time = 28 mins.
Actual Volume Purged = 256 gallons
Water Appearance = Clear, no odor, v. little silt

Field Stabilization Readings:

	pH	Sp.Cond.	Temp.°C	S.C. @ 25°C	Time
Start	7.17	402	21.7	428.532	12:37
1/2 (126 gals)	7.01	614	19.1	686.452	12:48
3/4 (195 gals)	7.02	610	19.1	681.98	12:59
End (256 gals)	7.04	602	18.9	675.44	13:04

MW-01 Purging and Sampling (continued)
April 1, 1993

Sampling Data:

Start/Finish Time = 13:25/13:52
Elapsed Time = 27 mins.

Discharge flow was consistent and steady throughout sampling. Duplicate samples were collected at MW-01 for a total of twenty-four samples. Bottle set ID for MW-01 was AG7893 and the duplicate sample (WDUP) was AG7894. No problems or deviations occurred while performing this task.

MW-02 Purging and Sampling Documentation

Purge volume calculations:

264.36 - 14.33 = 250.03 ft.
328.00 - 250.03 = 77.97 ft. (Water Column Height)
77.97 x 1.02 = 79.5294 x 3 = 238.58 gallons (3 Well Volumes)

Purge Data:

Start/Finish Time = 14:20/14:45
Elapsed Time = 25 mins.
Actual Volume Purged = 242 gallons
Water Appearance = Clear, no odor, v. little silt

Field Stabilization Readings:

	pH	Sp.Cond.	Temp.°C	S.C. @ 25°C	Time
Start	7.41	422	20.8	457.448	14:20
1/2 (126 gals)	7.05	474	18.8	532.776	14:31
3/4 (195 gals)	7.02	488	18.8	548.512	14:36
End (256 gals)	7.01	495	18.9	555.39	14:45

MW-02 Purging and Sampling (continued)
April 1, 1993

Sampling Data:

Start/Finish Time = 14:50/14:59
Elapsed Time = 9 mins.

Discharge flow was consistent and steady throughout sampling. Bottle set ID for MW-02 was AG7895 including a trip blank, 12 total samples collected. No problems or deviations occurred while performing this task.

MW-04 Purging and Sampling Documentation

Purge volume calculations:

257.84 - 14.19 = 243.65 ft.
318.00 - 243.65 = 74.35 ft. (Water Column Height)
74.35 x 1.02 = 75.837 x 3 = 227.51 gallons (3 Well Volumes)

Purge Data:

Start/Finish Time = 11:00/11:20
Elapsed Time = 20 mins.
Actual Volume Purged = 235 gallons
Water Appearance = Clear, no odor, v. little silt

Field Stabilization Readings:

	pH	Sp.Cond.	Temp.°C	S.C. @ 25°C	Time
Start	7.37	442	22.5	464.1	10:57
1/2 (126 gals)	7.08	646	19.0	723.52	11:08
3/4 (195 gals)	7.01	650	19.2	725.4	11:13
End (256 gals)	6.97	644	19.3	717.416	11:19

MW-04 Purging and Sampling (continued)
April 1, 1993

Sampling Data:

Start/Finish Time = 11:45/12:20
Elapsed Time = 35 mins.

Discharge flow was consistent and steady throughout sampling. Field blank samples were collected at MW-04 for a total of twenty-four samples. Bottle set ID for MW-04 was AG7897 and the field blank sample (-01FB) was AG7892. No problems or deviations occurred while performing this task.

MW-05 Purging and Sampling Documentation

Purge Volume Calculation:

330.00 - 244.68 = 85.32 ft. (Water Column Height)
85.32 x 1.02 = 87.02 x 3 = 261.07 gallons (3 Well Volumes)

Purge Data:

Start/Finish Time = 9:38/10:05
Elapsed Time = 27 mins.
Actual Volume Purged = 265 gallons
Water Appearance = Clear, no odor, v. little silt

Field Stabailization Readings:

	pH	Sp.Cond.	Temp.°C	S.C. @ 25°C	Time
Start	7.11	548	21.6	585.26	9:40
1/2 (130 gals)	6.93	636	19.3	708.50	9:50
3/4 (195 gals)	7.00	642	18.9	720.32	9:59
End (261 gals)	7.09	664	19.0	743.68	10:05

MW-05 Purging and Sampling (continued)
April 1, 1993

Sampling Data:

Start/Finish Time = 13:25/13:52
Elapsed Time = 27 mins.

Discharge flow was consistent and steady throughout sampling. Duplicate samples were collected at MW-01 for a total of twenty-four samples. Bottle set ID for MW-01 was AG7893 and the duplicate sample (WDUP) was AG7894. No problems or deviations occurred while performing this task.

Notes and Comments

No purge and sampling of groundwater was performed in MW-03 on this day due to street paving activity by Department of Public Works on Peckham Road. The DPW estimated street paving completion on Tuesday or Wednesday of the following week.

TM notified Donna Bierschank of EML regarding a new Event No. and AquaPak shipment for MW-03 scheduled next week.

Thursday, April 8, 1993

Notes and Comments:

TM contacted Frank Ford of OSCO on 4/7/93 for verification of accessibility on Peckham Road. Mr. Ford stated that he noticed vehicle activity on Peckham Road. In addition, numerous phone calls were made to DPW with no return phone calls from the responsible persons.

TM and AR arrived onsite and inspected Peckham Road. Inspection identified DPW still paving road, therefore, no sampling was conducted this day. Water level measurements were measured this day for sampling tomorrow.

Friday, April 9, 1993

pH/SC Instrument Calibration Measurements:

Field stabilization parameters were measured using a PrestaTek Model DSPH-3 pH/SC instrument. Calibration of the PrestaTek meter was performed to ensure precision and accuracy of the field parameters regarding groundwater stabilization of pH and specific conductance. The temperature was measured using a Micronta temperature probe.

Date	Time	Rd7	Cal7	Rd4	Cal4	Rd10	Cal10	SC	SC Cal
4/9	8:03	7.03	7.00	3.90	4.00	10.13	10.00	0.01	0.00
		7.02	7.00						

Well Purging and Sampling Documentation

MW-03 Purging and Sampling Documentation

Purge volume calculations:

319.50 - 239.13* = 80.37 ft. (Water Column Height)77.97 x 1.02 = 79.5294 x 3 = 238.58 gallons (3 Well Volumes)

* Water level is an estimation only

MW-03 Purging and Sampling (continued)
Friday, April 9, 1993

Purge Data:

Start/Finish Time = 8:11/8:38
Elapsed Time = 27 mins.
Actual Volume Purged = 255 gallons
Water Appearance = Clear, no odor, v. little silt

Field Stabilization Readings:

	pH	Sp.Cond.	Temp.°C	S.C. @ 25°C	Time
Start	7.18	502	19.9	553.204	8:11
1/2 (123 gals)	6.91	574	17.6	658.952	8:24
3/4 (194 gals)	6.99	592	18.1	673.696	8:32
End (250 gals)	6.99	570	17.7	653.22	8:38

Sampling Data:

Start/Finish Time = 8:58/9:13
Elapsed Time = 15 mins.

Discharge flow was consistent and steady throughout sampling. EML Event No. 93-11536 and bottle set ID for MW-03 was AH0616 including one trip blank and one temperature blank, 12 total samples collected. No problems or deviations occurred while performing this task.

If you have any questions please contact me at (310) 833-8700.

Sincerely,

Terry R. McPhetridge
Project Manager
RUST E & I

cc: Matt Katen

ATTACHMENT 2

WMI ENVIRONMENTAL MONITORING LABORATORIES
CALIFORNIA ELAP CERTIFICATE

ENVIRONMENTAL LABORATORY ACCREDITATION/REGISTRATION
List of Approved Fields of Testing and Analytes

WMI Environmental Monitoring Laboratories, Inc.
2100 Cleanwater Drive
Geneva, IL

TELEPHONE No: (708) 208-3100

CERTIFICATE NUMBER: 1020
EXPIRATION DATE: 9/30/93

1 Microbiology of Drinking Water and Wastewater (--------)

1.1	Total Coliforms in Drinking Water by Multiple Tube Fermentation	N
1.2	Fecal Coliforms/E. Coli in Drinking Water by MTF	N
1.3	Total Coliforms in Drinking Water by Membrane Filter Technics	N
1.4	Fecal Coliforms/E. Coli in Drinking Water by Membrane Filter Technics	N
1.5	Total Coliforms and E. Coli in Drinking Water by MMO-MUG	N
1.6	Total Coliforms in Drinking Water by Clark's Presence/Absence	N
1.7	Fecal Coliforms/E. Coli in Drinking Water by Clark's Presence/Absence	N
1.8	Heterotrophic Plate Count	N
1.9	Total Coliforms in Wastewater by Multiple Tube Fermentation	N
1.10	Fecal Coliforms in Wastewater by MTF	N
1.11	Total Coliforms in Wastewater by Membrane Filter Technics	N
1.12	Fecal Coliforms in Wastewater by Membrane Filter Technics	N
1.13	Fecal Streptococci or Enterococci by Multiple Tube Technics	N
1.14	Fecal Streptococci or Enterococci by Membrane Filter Technics	N

2 Inorganic Chemistry and Physical Properties of Drinking Water excluding Toxic Chemical Elements (--------)

2.1	Alkalinity	N
2.2	Calcium	N
2.3	Chloride	N
2.4	Corrosivity	N
2.5	Fluoride	N
2.6	Hardness	N
2.7	Magnesium	N
2.8	MBAS	N
2.9	Nitrate	N
2.10	Nitrite	N
2.11	Sodium	N
2.12	Sulfate	N
2.13	Total Filterable Residue and Conductivity	N
2.14	Iron (Colorimetric Methods Only)	N
2.15	Manganese (Colorimetric Methods Only)	N
2.16	Phosphate, ortho	N
2.17	Silica (Colorimetric Methods Only)	N
2.18	Cyanide	N

3 Analysis of Toxic Chemical Elements in Drinking Water (--------)

3.1	Arsenic	N
3.2	Barium	N
3.3	Cadmium	N
3.4	Chromium, total	N
3.5	Copper	N
3.6	Iron	N
3.7	Lead	N
3.8	Manganese	N
3.9	Mercury	N
3.10	Selenium	N
3.11	Silver	N
3.12	Zinc	N
3.13	Aluminum	N
3.14	Asbestos	N
3.15	EPA Method 200.7	N
3.16	EPA Method 200.8 (Unregulated Elements and Lead Only)	N
3.17	Antimony	N
3.18	Beryllium	N
3.19	Nickel	N
3.20	Thallium	N

4 Organic Chemistry of Drinking Water (measurement by GC/MS combination) (--------)

4.1	EPA Method 501.3	N
4.2	EPA Method 524.2	N
4.3	EPA Method 525	N
4.4	EPA Method 513	N

5 Organic Chemistry of Drinking Water (excluding measurements by GC/MS combination) (--------)

5.1	EPA Method 501.1	N
5.2	EPA Method 501.2	N
5.3	EPA Method 502.1	N
5.4	EPA Method 502.2	N
5.5	EPA Method 503.1	N
5.6	EPA Method 504	N
5.7	EPA Method 505	N
5.8	EPA Method 506	N
5.9	EPA Method 507	N
5.10	EPA Method 508	N
5.11	EPA Method 508A	N
5.12	EPA Method 510.1	N
5.13	EPA Method 515.1	N
5.14	EPA Method 531.1	N
5.15	EPA Method 547	N
5.16	EPA Method 548	N
5.17	EPA Method 549	N
5.18	EPA Method 550	N
5.19	EPA Method 550.1	N
5.20	EPA Method 551	N
5.21	EPA Method 552	N

CERTIFICATE NUMBER: 1020
EXPIRATION DATE: 9/30/93

6 Radiochemistry (--------)

6.1 Gross Alpha and Beta Radiation ----- N
6.2 Total Radium ---------- N
6.3 Radium 226 ---------- N
6.4 Uranium ---------- N
6.5 Radon 222 ---------- N
6.6 Radioactive Cesium ---------- N
6.7 Iodine 131 ---------- N
6.8 Radioactive Strontium ---------- N
6.9 Tritium ---------- N
6.10 Gamma and Photon Emitters ---------- N
6.11 Gross Alpha by Co-precipitation --------- N
6.12 Radium 228 ---------- N
6.13 Radioactive Iodine ---------- N
6.14 Gross Alpha & Beta in Hazardous Wastes -- N
6.15 Alpha Emitting Radium Isotopes in Haz. Wastes ---------- N
6.16 Radium 228 in Hazardous Wastes ---------- N

7 Shellfish Sanitation (--------)

7.1 Shellfish meat Microbiology ---------- N
7.2 Paralytic Shellfish Poison ---------- N
7.3 Domoic Acid ---------- N

8 Aquatic Toxicity Bioassays (------)

8.1 Hazardous Waste Aquatic Toxicity Bioassay (Title 22, CCR, 66261.24(a)(6)) ---------- N
8.2 Wastewater Testing According to Kopperdahl (1976) using Freshwater Fish. ---------- N
8.3 Wastewater Testing According to EPA/600/4-85/013 using Freshwater and/or Marine Organisms --------- N
8.4 Wastewater Testing by EPA Method 1000.0 ---------- N
8.5 Wastewater Testing by EPA Method 1002.0 ---------- N
8.6 Wastewater Testing by EPA Method 1003.0 ---------- N
8.7 Wastewater Testing by EPA Method 1006 ---------- N
8.8 Wastewater Testing by EPA Method 1007 ---------- N
8.9 Wastewater Testing by EPA Method 1009 ---------- N
8.10 Wastewater Testing According to Anderson, et. al. (1990) using Giant Kelp (Macrocystis pyrifera) -- N
8.11 Wastewater Testing According to Anderson, et. al. (1990) using Red Abalone (Haliotus rufescens) --- N
8.12 Wastewater Testing According to Dinnel and Stober (1987) using Purple Sea Urchin (Strongylocentrotus purpuratus) ---------- N
8.13 Wastewater Testing According to Dinnel and Stober (1987) using Red Sea Urchin (Strongylocentrotus franciscanus) ---------- N
8.14 Wastewater Testing According to Dinnel and Stober (1987) using Sand Dollar (Dendraster excentricus) ---------- N
8.15 Wastewater Testing According to procedure E 724-89 (ASTM, 1989) using Pacific Oyster (Crassostrea gigas) ---------- N
8.16 Wastewater Testing According to procedure E 724-89 (ASTM, 1989) using California Bay Mussel (Mytilus edulis) ---------- N
8.17 Wastewater Testing According to Standard Methods (APHA, 1989) using an alga (Skeletonema costatum) ---------- N
8.18 Wastewater Testing According to EPA/600/4-90/027 using Freshwater and/or Marine Organisms --------- N

9 Physical Properties Testing of Hazardous Waste (--------)

9.1 Ignitability by Flashpoint determination (Title 22, CCR, 66261.21) ---------- N
9.2 Corrosivity - pH determination (Title 22, CCR, 66261.22) ---------- N
9.3 Corrosivity - Corrosivity towards steel (Title 22, CCR, 66261.22) ---------- N
9.4 Reactivity (Title 22, CCR, 66261.23) ---------- N

10 Inorganic Chemistry and Toxic Chemical Elements of Hazardous Waste

10.1 Antimony
7040(--------) ---------- N
7041(03-30-92) ---------- Y
10.2 Arsenic
7060(03-30-92) ---------- Y
7061(--------) ---------- N
10.3 Barium
7080(--------) ---------- N
7081(--------) ---------- N
10.4 Beryllium
7090(--------) ---------- N
7091(--------) ---------- N
10.5 Cadmium
7130(--------) ---------- N
7131(03-30-92) ---------- Y
10.6 Chromium, total
7190(--------) ---------- N
7191(03-20-92) ---------- Y
10.7 Cobalt
7200(--------) ---------- N
7201(--------) ---------- N
10.8 Copper
7210(--------) ---------- N
7211(--------) ---------- N
10.9 Lead
7420(--------) ---------- N
7421(03-30-92) ---------- Y
10.10 Mercury
7470(--------) ---------- N
7471(03-30-92) ---------- Y
10.11 Molybdenum
7480(--------) ---------- N
7481(--------) ---------- N
10.12 Nickel
7520(--------) ---------- N

CERTIFICATE NUMBER: 1020
EXPIRATION DATE: 9/30/93

10.13 Selenium
7740(03-30-92) ---------- Y
7741(--------) ---------- N
10.14 Silver
7760(--------) ---------- N
7761(--------) ---------- N
10.15 Thallium
7840(--------) ---------- N
7841(03-30-92) ---------- Y
10.16 Vanadium
7910(--------) ---------- N
7911(--------) ---------- N
10.17 Zinc
7950(--------) ---------- N
7951(--------) ---------- N
10.18 Chromium (VI)
7195(--------) ---------- N
7196(--------) ---------- N
7197(--------) ---------- N
7198(--------) ---------- N

10.19 Cyanide
9010(03-30-92) ---------- Y
10.20 Fluoride
300.0(-------) ---------- N
340.1(-------) ---------- N
340.2(-------) ---------- N
340.3(-------) ---------- N
10.21 Sulfide
9030(--------) ---------- N
10.22 Total Organic Lead
(--------) ---------- N
10.23 EPA Method 6010(03-30-92) ---------- Y
10.24 EPA Method 6020(--------) ---------- N

11 **Extraction Tests of Hazardous Waste (--------)**

11.1 California Waste Extraction Test (WET) (Title 22, CCR, 66261.100, Appendix II) ---------- N
11.2 Extraction Procedure Toxicity ---------- N
11.3 Toxicity Characteristic Leaching Procedure (TCLP) All Classes ---------- N
11.4 Toxicity Characteristic Leaching Procedure (TCLP) Inorganics Only ---------- N
11.5 Toxicity Characteristic Leaching Procedure (TCLP) Extractables Only ---------- N
11.6 Toxicity Characteristic Leaching Procedure (TCLP) Volatiles Only ---------- N

12 **Organic Chemistry of Hazardous Waste (measurement by GC/MS combination)**

12.1 EPA Method 8240(03-30-92) ---------- Y
12.2 EPA Method 8250(--------) ---------- N
12.3 EPA method 8270(03-30-92) ---------- Y
12.4 EPA Method 8280(-------) ---------- N
12.5 EPA Method 8290(-------) ---------- N
12.6 EPA Method 8260(-------) ---------- N

13 **Organic Chemistry of Hazardous Waste (excluding measurements by GC/MS combination)**

13.1 EPA Method 8010(--------) ---------- N
13.2 EPA Method 8015(--------) ---------- N
13.3 EPA Method 8020(--------) ---------- N
13.4 EPA Method 8030(03-30-92) ---------- Y
13.5 EPA Method 8040(--------) ---------- N
13.6 EPA Method 8060(--------) ---------- N
13.7 EPA Method 8080(03-30-92) ---------- Y
13.8 EPA Method 8090(--------) ---------- N
13.9 EPA Method 8100(--------) ---------- N
13.10 EPA Method 8120(--------) ---------- N
13.11 EPA Method 8140(--------) ---------- N
13.12 EPA Method 8150(03-30-92) ---------- Y

13.13 EPA Method 8310(--------) ---------- N
13.14 EPA Method 632 (--------) ---------- N
13.15 Total Petroleum Hydrocarbons
(LUFT Manual) (--------)---------- N
13.16 EPA Method 8011(--------) ---------- N
13.17 EPA Method 8021(--------) ---------- N
13.18 EPA Method 8070(--------) ---------- N
13.19 EPA Method 8110(--------) ---------- N
13.20 EPA Method 8141(--------) ---------- N
13.21 EPA Method 8330(--------) ---------- N

14 **Bulk Asbestos Analysis (--------)**

14.1 1% or Greater Asbestos Concentrations (Title 22, CCR, 66261.24(a)(2)(A))

15 **Substances Regulated Under the California Safe Drinking Water and Toxic Enforcement Act (Proposition 65) and Not Included in Other listed Groups.**

16 **Wastewater Inorganic Chemistry, Nutrients and Demand (03-30-92)**

16.1 Acidity ---------- Y
16.2 Alkalinity ---------- Y
16.3 Ammonia ---------- Y
16.4 Biochemical Oxygen Demand ---------- N
16.5 Boron ---------- Y
16.6 Bromide ---------- N
16.7 Calcium ---------- Y
16.8 cBOD ---------- N
16.9 Chemical Oxygen Demand ---------- Y
16.10 Chloride ---------- Y
16.11 Chlorine Residual, total ---------- N

16.12 Cyanide ---------- Y
16.13 Cyanide amenable to Chlorination ----- Y
16.14 Fluoride ---------- Y
16.15 Hardness ---------- Y
16.16 Kjeldahl Nitrogen ---------- Y
16.17 Magnesium ---------- Y
16.18 Nitrate ---------- Y
16.19 Nitrite ---------- Y
16.20 Oil and Grease ---------- Y
16.21 Organic Carbon ---------- Y
16.22 Oxygen, Dissolved ---------- N

16.23 pH ---------- Y
16.24 Phenols ---------- Y
16.25 Phosphate, ortho- ---------- N
16.26 Phosphorus, total ---------- Y
16.27 Potassium ---------- Y
16.28 Residue, Total ---------- Y
16.29 Residue, Filterable (TDS) ---------- Y
16.30 Residue, Nonfilterable (TSS) ---------- Y
16.31 Residue, Settleable (SS) ---------- Y
16.32 Residue, Volatile ---------- Y
16.33 Silica ---------- Y
16.34 Sodium ---------- Y
16.35 Specific Conductance ---------- Y
16.36 Sulfate ---------- Y
16.37 Sulfide (includes total & soluble) - N
16.38 Sulfite ---------- N
16.39 Surfactants (MBAS) ---------- N
16.40 Tannin and Lignin ---------- N
16.41 Turbidity ---------- Y
16.42 Iron (Colorimetric Only) ---------- N
16.43 Manganese (Colorimetric Only) ---------- N
16.44 Total Recoverable Petroleum Hydrocarbons ---------- N
16.45 Total Organic Halides ---------- N

17 Toxic Chemical Elements in Wastewater (03-30-92)

17.1 Aluminum ---------- Y
17.2 Antimony ---------- Y
17.3 Arsenic ---------- Y
17.4 Barium ---------- Y
17.5 Beryllium ---------- Y
17.6 Cadmium ---------- Y
17.7 Chromium (VI) ---------- N
17.8 Chromium, total ---------- Y
17.9 Cobalt ---------- Y
17.10 Copper ---------- Y
17.11 Gold ---------- N
17.12 Iridium ---------- N
17.13 Iron ---------- Y
17.14 Lead ---------- Y
17.15 Manganese ---------- Y
17.16 Mercury ---------- Y
17.17 Molybdenum ---------- Y
17.18 Nickel ---------- Y
17.19 Osmium ---------- N
17.20 Palladium ---------- N
17.21 Platinum ---------- N
17.22 Rhodium ---------- N
17.23 Ruthenium ---------- N
17.24 Selenium ---------- Y
17.25 Silver ---------- Y
17.26 Strontium ---------- Y
17.27 Thallium ---------- Y
17.28 Tin ---------- Y
17.29 Titanium ---------- Y
17.30 Vanadium ---------- Y
17.31 Zinc ---------- Y
17.32 EPA Method 200.7 ---------- Y
17.33 EPA Method 200.8 ---------- Y
17.34 DCP ---------- N
17.35 Asbestos ---------- N

18 Organic Chemistry of Wastewater (measurements by GC/MS combination (03-30-92)

18.1 EPA Method 624 ---------- Y
18.2 EPA Method 625 ---------- Y
18.3 EPA Method 1613 ---------- N
18.4 EPA Method 1625 ---------- N
18.5 EPA Method 613 ---------- N

19 Organic Chemistry of Wastewater (excluding measurements by GC/MS combination) (03-30-92)

19.1 EPA Method 601 ---------- Y
19.2 EPA Method 602 ---------- Y
19.3 EPA Method 603 ---------- N
19.4 EPA Method 604 ---------- N
19.5 EPA Method 605 ---------- N
19.6 EPA Method 606 ---------- N
19.7 EPA Method 607 ---------- N
19.8 EPA Method 608 ---------- Y
19.9 EPA Method 609 ---------- N
19.10 EPA Method 610 ---------- N
19.11 EPA Method 611 ---------- N
19.12 EPA Method 632 ---------- N
19.13 EPA Method 619 ---------- N

20 Inorganic Chemistry and Toxic Chemical Elements of Pesticide Residues in Food (--------)

20.1 Processed Foods by One of the Following Methods
- Atomic Absorption Spectrophotometry ---------- N
- Inductively Coupled Plasma Atomic Emission Spectrophotometry ---------- N
- Inductively Coupled Plasma/Mass Spectrometry ---------- N
- Colorimetry ---------- N

20.2 Raw Commodities by One of the Following Methods
- Atomic Absorption Spectrophotometry ---------- N
- Inductively Coupled Plasma Atomic Emission Spectrophotometry ---------- N
- Inductively Coupled Plasma/Mass Spectrometry ---------- N
- Colorimetric ---------- N

20.3 Dairy Products by One of the Following Methods
- Atomic Absorption Spectrophotometry ---------- N
- Inductively Coupled Plasma Atomic Emission Spectrophotometry ---------- N
- Inductively Coupled Plasma/Mass Spectrometry ---------- N
- Colorimetry ---------- N

CERTIFICATE DATE: 1020
EXPIRATION DATE: 9/30/93

20.4 Feed Products by One of the Following Methods
- Atomic Absorption Spectrophotometry ---------- N
- Inductively Coupled Plasma Atomic Emission Spectrophotometry ---------- N
- Inductively Coupled Plasma/Mass Spectrometry ---------- N
- Colorimetry ---------- N

21 Organic Chemistry of Pesticide Residues in Food (measurements by GC/MS) (--------)

21.1 Gas Chromatographic/Mass Spectrometric Methods in Processed Foods ---------- N
21.2 Gas Chromatographic/Mass Spectrometric Methods in Raw Commodities ---------- N
21.3 Gas Chromatographic/Mass Spectrometric Methods in Dairy Products ---------- N
21.4 Gas Chromatographic/Mass Spectrometric Methods in Feed Products ---------- N

22 Organic Chemistry of Pesticide Residues in Food (Excluding Measurement by GC/MS Combination) (--------)

22.1 Halogenated Compounds in Processed Foods by One of the Following Methods
- Gas Chromatography ---------- N
- High Pressure Liquid Chromatography ---------- N
- Liquid Chromatography/Mass Spectrometry ---------- N

22.2 Organophosphorous Compounds in Processed Foods by One of the Following Methods
- Gas Chromatography ---------- N
- High Pressure Liquid Chromatography ---------- N
- Liquid Chromatography/Mass Spectrometry ---------- N

22.3 Carbamates in Processed Foods by One of the Following Methods
- Gas Chromatography ---------- N
- High Pressure Liquid Chromatography ---------- N
- Liquid Chromatography/Mass Spectrometry ---------- N

22.4 Halogenated Compounds in Raw Commodities by One of the Following Methods
- Gas Chromatography ---------- N
- High Pressure Liquid Chromatography ---------- N
- Liquid Chromatography/Mass Spectrometry ---------- N

22.5 Organophosphorous Compounds in Raw Commodities by One of the Following Methods
- Gas Chromatography ---------- N
- High Pressure Liquid Chromatography ---------- N
- Liquid Chromatography/Mass Spectrometry ---------- N

22.6 Carbamates in Raw Commodities by One of the Following Methods
- Gas Chromatography ---------- N
- High Pressure Liquid Chromatography ---------- N
- Liquid Chromatography/Mass Spectrometry ---------- N

22.7 Halogenated Compounds in Dairy Products by One of the Following Methods
- Gas Chromatography ---------- N
- High Pressure Liquid Chromatography ---------- N
- Liquid Chromatography/Mass Spectrometry ---------- N

22.8 Organophosphorous Compounds in Dairy Products by One of the Following Methods
- Gas Chromatography ---------- N
- High Pressure Liquid Chromatography ---------- N
- Liquid Chromatography/Mass Spectrometry ---------- N

22.9 Carbamates in Dairy Products by One of the Following Methods
- Gas Chromatography ---------- N
- High Pressure Liquid Chromatography ---------- N
- Liquid Chromatography/Mass Spectrometry ---------- N

22.10 Halogenated Compounds in Feed Products by One of the Following Methods
- Gas Chromatography ---------- N
- High Pressure Liquid Chromatography ---------- N
- Liquid Chromatography/Mass Spectrometry ---------- N

22.11 Organophosphorous Compounds in Feed Products by One of the Following Methods
- Gas Chromatography ---------- N
- High Pressure Liquid Chromatography ---------- N
- Liquid Chromatography/Mass Spectrometry ---------- N

22.12 Carbamates in Feed Products by One of the Following Methods
- Gas Chromatography ---------- N
- High Pressure Liquid Chromatography ---------- N
- Liquid Chromatography/Mass Spectrometry ---------- N

ATTACHMENT 3

ANALYTICAL RESULTS
DUPLICATE, FIELD BLANK, MW-01, MW-02, MW-04, MW-05, AND ASSOCIATED TRAVEL BLANK

05-470.25

WMI Environmental Monitoring Laboratories, Inc.

Analytical Report Transmittal Memorandum

APR 1993
RECEIVED
Western Region
Environmental
Mgt. Dept.
C.W.M.I.

Date: April 22, 1993

To: Client(s) - see below

From: Dave Lundquist

Subject: O.S.C.O. 93-11047

Please find enclosed the current Client Report, Field Information Forms, and Field Chain-of-Custody Records for the recently completed event at O.S.C.O..

The data has been thoroughly reviewed and compared to historical data. We have tried to provide a report that is complete and of known and documented quality. Please take a moment to review the enclosed report to insure it meets your expectations.

If you have any questions, don't hesitate to call Donna Bierschenk at (708)208-3100.

Report Distribution:

Name	Report Type
Marc Yalom*	ALL +Diskette

* *Program Manager*

WMI Environmental Monitoring Laboratories, Inc.
2100 Cleanwater Drive
Geneva, Illinois 60134
708/208-3100

A Waste Management Company

Enclosed are the analytical results for samples received from your facility. The results in the Client Report are for a single ENS (Event Notification System) number only. The sampling event at your facility may include multiple ENS numbers. A separate Client Report will be generated for each one.

It is the goal of WMI Environmental Monitoring Laboratories, Inc. to provide analytical data in a timely fashion, formatted in a way that our clients will find most useful.

If you have any questions concerning the form or content of this report, please contact the WMI EML Customer Operations Department:

Main Number (708) 208-3100
FAX Number (708) 208-1175

Note: Two designations may appear in the results column of your Client Report: NA or ND.

The designation NA (for "Not Analyzed") is used to identify analytes which were requested in the monitoring program, but for which no suitable testing methodology exists. NA may also indicate a dry well, broken sample bottle, insufficient sample volume, or other condition which precludes analysis for a sample.

The designation ND (for "Not Detected") is used to indicate that the analyte of interest was not found at or above the concentration listed under the EMLRL (EML Reporting Limit) heading.

Unless otherwise indicated, all analytes meet the requirements of holding time as specified in the method.

Deborah C. Hockman, Ph.D.

Deborah C. Hockman, Ph.D.
President
WMI Environmental Monitoring Laboratories, Inc.

Printed on recycled paper

DATA QUALIFIER COMMENT CODE DEFINITIONS

AR: Acid surrogate recoveries did not meet the acceptance criteria of the method. Oxidative degradation due to sample matrix is suggested.

BB: Broken bottle.

BL: The method blank concentration associated with this analyte did not meet the acceptance criteria of the method.

CX: The concentration of this compound exceeded the calibration used for this analysis. The concentration reported is estimated.

CU: Co-elution with another compound interferes with the quantitation of this compound. The concentration reported is estimated.

DL: The sample was diluted during analysis. Reporting limits have been adjusted where necessary.

DP: This sample was analyzed in duplicate. The relative percent difference between the two results did not meet the acceptance criteria of the method.

DW: Dry well.

HS: Headspace in sample exceeded laboratory control limit. The reported results of the analysis may be less than the actual value.

IS: The internal standard recoveries associated with this analysis did not meet the acceptance criteria of the method.

IV: The bottle did not contain enough sample to perform the analysis.

MP: 3-methylphenol and 4-methylphenol co-elute under the analytical conditions of the method, and can not be differentiated solely on the basis of their mass spectra. The concentrations reported may be either or both isomers.

MX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was in control. The result reported may therfore be affected by matrix interferences.

NN: N-nitrosodiphenylamine can not be distinguished from diphenylamine using gas chromatography. The concentrations reported may be either or both compounds.

NQ: No standard qualifier code is in use for this qualification. See the associated comment.

NS: There was not enough sample to repeat this analysis.

PL: This result may be a product of contamination from phthalate plasticizers, which are a common lab contaminant.

PX: This sample required preservation in the field to a pH of less than 2. The pH was checked before analysis and did not have a pH of less than 2.

PY: This sample required preservation in the field to a pH of 4 to 5. The pH was checked before analysis and did not have a pH of 4 to 5.

PZ: This sample required preservation in the field to a pH of 12 or greater. The pH was checked before analysis and did not have a pH of 12 or greater.

QX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was out-of-control. The analytical result for this parameter in the unspiked sample is suspect and may not be reported for regulatory compliance purposes.

SB: The analysis of this sample was performed by an approved subcontract laboratory.

ST: This compound is not stable in acidic water.

SU: The analysis of the surrogate with this sample did not meet the acceptance criteria of the method.

TX: The analysis for this parameter was conducted after the holding time specified in the method.

UN: This compound is not stable under the conditions of the analysis.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: 01FB
Sample Type: WELL
Sample Number: AG7892

ENS: 93-11047
MP: 562931
REV: 02

Sampled: 1-APR-1993
Received: 3-APR-1993
Reported: 22-APR-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	243.65		FT		FDWDTWTC01
GROUNDWATER ELEV.	276.71		FT MSL		FDWGWELWDT
PH FIELD	6.97		PH UNITS		FDPHSING01
SPECIFIC CONDUCTANCE FIELD	717		UMHOS/CM		FDSPCOND01
WATER TEMPERATURE IN DEGREES CELSIUS	19.3		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	318.00		FT		FDWGWELWDT
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	10.000	UG/L		VOMSBAO322
1,1,1-TRICHLOROETHANE	ND	0.500	UG/L		VOGCHAN201
1,1,1-TRICHLOROETHANE	ND	5.000	UG/L		VOMSBAO322
1,1,2,2-TETRACHLOROETHANE	ND	2.000	UG/L		VOGCHAN201
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		VOMSBAO322
1,1,2-TRICHLOROETHANE	ND	1.000	UG/L		VOGCHAN201
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		VOMSBAO322
1,1-DICHLOROETHANE	ND	0.500	UG/L		VOGCHAN201
1,1-DICHLOROETHANE	ND	5.000	UG/L		VOMSBAO322
1,1-DICHLOROETHENE	ND	0.500	UG/L		VOGCHAN201
1,1-DICHLOROETHENE	ND	5.000	UG/L		VOMSBAO322
1,2-DICHLOROBENZENE	ND	1.000	UG/L		VOGCHAN201
1,2-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,2-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBAO322
1,2-DICHLOROETHANE	ND	1.000	UG/L		VOGCHAN201
1,2-DICHLOROETHANE	ND	5.000	UG/L		VOMSBAO322
1,2-DICHLOROPROPANE	ND	1.000	UG/L		VOGCHAN201
1,2-DICHLOROPROPANE	ND	5.000	UG/L		VOMSBAO322
1,3-DICHLOROBENZENE	ND	1.000	UG/L		VOGCHAN201
1,3-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,3-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBAO322
1,4-DICHLOROBENZENE	ND	1.000	UG/L		VOGCHAN201
1,4-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,4-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBAO322
2-BUTANONE	ND	10.000	UG/L		VOMSBAO322
2-CHLOROETHYLVINYL ETHER	ND	9.000	UG/L	ST	VOGCHAN201
2-CHLOROETHYLVINYL ETHER	ND	20.000	UG/L	ST	VOMSBAO322
4-METHYL-2-PENTANONE	ND	10.000	UG/L		VOMSBAO322
ACETONE	ND	34.000	UG/L		VOMSBAO322
BENZENE	ND	0.500	UG/L		VOGCPAN101
BENZENE	ND	5.000	UG/L		VOMSBAO322
BROMODICHLOROMETHANE	ND	1.000	UG/L		VOGCHAN201
BROMODICHLOROMETHANE	ND	5.000	UG/L		VOMSBAO322
BROMOFORM	ND	2.000	UG/L		VOGCHAN201
BROMOFORM	ND	5.000	UG/L		VOMSBAO322
BROMOMETHANE	ND	5.000	UG/L		VOGCHAN201
BROMOMETHANE	ND	10.000	UG/L		VOMSBAO322
CARBON TETRACHLORIDE	ND	0.500	UG/L		VOGCHAN201
CARBON TETRACHLORIDE	ND	5.000	UG/L		VOMSBAO322
CHLOROBENZENE	ND	0.500	UG/L		VOGCHAN201
CHLOROBENZENE	ND	0.500	UG/L		VOGCPAN101
CHLOROBENZENE	ND	5.000	UG/L		VOMSBAO322
CHLOROETHANE	ND	1.000	UG/L		VOGCHAN201
CHLOROETHANE	ND	10.000	UG/L		VOMSBAO322
CHLOROFORM	ND	0.500	UG/L		VOGCHAN201
CHLOROFORM	ND	5.000	UG/L		VOMSBAO322
CHLOROMETHANE	ND	1.000	UG/L		VOGCHAN201
CHLOROMETHANE	ND	10.000	UG/L		VOMSBAO322
CIS-1,3-DICHLOROPROPENE	ND	1.000	UG/L		VOGCHAN201
CIS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		VOMSBAO322
DIBROMOCHLOROMETHANE	ND	1.000	UG/L		VOGCHAN201
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		VOMSBAO322
DICHLORODIFLUOROMETHANE	ND	5.000	UG/L		VOGCHAN201
ETHYLBENZENE	ND	0.500	UG/L		VOGCPAN101
ETHYLBENZENE	ND	5.000	UG/L		VOMSBAO322
METHYLENE CHLORIDE	ND	2.000	UG/L		VOGCHAN201
METHYLENE CHLORIDE	ND	5.000	UG/L		VOMSBAO322
O-XYLENE	ND	10.000	UG/L		VOMSBAO322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: 01FB
Sample Type: WELL
Sample Number: AG7892

ENS: 93-11047
MP: 562931
REV: 02

Sampled: 1-APR-1993
Received: 3-APR-1993
Reported: 22-APR-1993

Analyte	Result	P Q L	Units	Comments	Method
TETRACHLOROETHENE	ND	0.500	UG/L		VOGCHAN201
TETRACHLOROETHENE	ND	5.000	UG/L		VOMSBAO322
TOLUENE	ND	0.500	UG/L		VOGCPAN101
TOLUENE	ND	5.000	UG/L		VOMSBAO322
TRANS-1,2-DICHLOROETHENE	ND	0.500	UG/L		VOGCHAN201
TRANS-1,2-DICHLOROETHENE	ND	10.000	UG/L		VOMSBAO322
TRANS-1,3-DICHLOROPROPENE	ND	1.000	UG/L		VOGCHAN201
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		VOMSBAO322
TRICHLOROETHENE	ND	0.500	UG/L		VOGCHAN201
TRICHLOROETHENE	ND	5.000	UG/L		VOMSBAO322
TRICHLOROFLUOROMETHANE	ND	2.000	UG/L		VOGCHAN201
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		VOMSBAO322
VINYL CHLORIDE	ND	1.000	UG/L		VOGCHAN201
VINYL CHLORIDE	ND	10.000	UG/L		VOMSBAO322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AG7894

ENS: 93-11047
MP: 562931
REV: 02

Sampled: 1-APR-1993
Received: 3-APR-1993
Reported: 22-APR-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	251.68		FT		FDWDTWTC01
GROUNDWATER ELEV.	277.52		FT MSL		FDWGWELWDT
PH FIELD	7.04		PH UNITS		FDPHSING01
SPECIFIC CONDUCTANCE FIELD	675		UMHOS/CM		FDSPCOND01
WATER TEMPERATURE IN DEGREES CELSIUS	18.9		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	335.00		FT		FDWGWELWDT
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	10.000	UG/L		VOMSBAO322
1,1,1-TRICHLOROETHANE	ND	0.572	UG/L		VOGCHAN201
1,1,1-TRICHLOROETHANE	7.	5.000	UG/L		VOMSBAO322
1,1,2,2-TETRACHLOROETHANE	ND	2.000	UG/L		VOGCHAN201
1,1,2,2-TETRACHLOROETHANE	ND	8.000	UG/L		VOMSBAO322
1,1,2-TRICHLOROETHANE	ND	1.000	UG/L		VOGCHAN201
1,1,2-TRICHLOROETHANE	ND	8.000	UG/L		VOMSBAO322
1,1-DICHLOROETHANE	ND	0.572	UG/L		VOGCHAN201
1,1-DICHLOROETHANE	ND	5.000	UG/L		VOMSBAO322
1,1-DICHLOROETHENE	11.	0.572	UG/L		VOGCHAN201
1,1-DICHLOROETHENE	13.	5.000	UG/L		VOMSBAO322
1,2-DICHLOROBENZENE	ND	1.000	UG/L		VOGCHAN201
1,2-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,2-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBAO322
1,2-DICHLOROETHANE	ND	1.000	UG/L		VOGCHAN201
1,2-DICHLOROETHANE	ND	5.000	UG/L		VOMSBAO322
1,2-DICHLOROPROPANE	ND	1.430	UG/L		VOGCHAN201
1,2-DICHLOROPROPANE	ND	5.000	UG/L		VOMSBAO322
1,3-DICHLOROBENZENE	ND	1.430	UG/L		VOGCHAN201
1,3-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,3-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBAO322
1,4-DICHLOROBENZENE	ND	1.144	UG/L		VOGCHAN201
1,4-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,4-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBAO322
2-BUTANONE	ND	20.000	UG/L		VOMSBAO322
2-CHLOROETHYLVINYL ETHER	ND	9.000	UG/L	ST	VOGCHAN201
2-CHLOROETHYLVINYL ETHER	ND	20.000	UG/L	ST	VOMSBAO322
4-METHYL-2-PENTANONE	ND	20.000	UG/L		VOMSBAO322
ACETONE	ND	48.000	UG/L		VOMSBAO322
BENZENE	ND	0.500	UG/L		VOGCPAN101
BENZENE	ND	5.000	UG/L		VOMSBAO322
BROMODICHLOROMETHANE	ND	1.000	UG/L		VOGCHAN201
BROMODICHLOROMETHANE	ND	5.000	UG/L		VOMSBAO322
BROMOFORM	ND	2.000	UG/L		VOGCHAN201
BROMOFORM	ND	5.000	UG/L		VOMSBAO322
BROMOMETHANE	ND	5.000	UG/L		VOGCHAN201
BROMOMETHANE	ND	10.000	UG/L		VOMSBAO322
CARBON TETRACHLORIDE	ND	0.572	UG/L		VOGCHAN201
CARBON TETRACHLORIDE	ND	5.000	UG/L		VOMSBAO322
CHLOROBENZENE	ND	0.572	UG/L		VOGCHAN201
CHLOROBENZENE	ND	0.500	UG/L		VOGCPAN101
CHLOROBENZENE	ND	5.000	UG/L		VOMSBAO322
CHLOROETHANE	ND	1.144	UG/L		VOGCHAN201
CHLOROETHANE	ND	10.000	UG/L		VOMSBAO322
CHLOROFORM	ND	0.572	UG/L		VOGCHAN201
CHLOROFORM	ND	5.000	UG/L		VOMSBAO322
CHLOROMETHANE	ND	1.000	UG/L		VOGCHAN201
CHLOROMETHANE	ND	10.000	UG/L		VOMSBAO322
CIS-1,3-DICHLOROPROPENE	ND	1.144	UG/L		VOGCHAN201
CIS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		VOMSBAO322
DIBROMOCHLOROMETHANE	ND	1.144	UG/L		VOGCHAN201

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
VOGCHAN201	Dilution factor 1.43 applied.
VOMSBAO322	Dilution factor 2 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AG7894

ENS: 93-11047
MP: 562931
REV: 02

Sampled: 1-APR-1993
Received: 3-APR-1993
Reported: 22-APR-1993

Analyte	Result	P Q L	Units	Comments	Method
DIBROMOCHLOROMETHANE	ND	8.000	UG/L		VOMSBAO322
DICHLORODIFLUOROMETHANE	ND	5.000	UG/L		VOGCHAN201
ETHYLBENZENE	ND	0.500	UG/L		VOGCPAN101
ETHYLBENZENE	ND	5.000	UG/L		VOMSBAO322
METHYLENE CHLORIDE	ND	2.000	UG/L		VOGCHAN201
METHYLENE CHLORIDE	ND	10.000	UG/L		VOMSBAO322
O-XYLENE	ND	10.000	UG/L		VOMSBAO322
TETRACHLOROETHENE	37.	0.572	UG/L		VOGCHAN201
TETRACHLOROETHENE	66.	5.000	UG/L		VOMSBAO322
TOLUENE	ND	0.500	UG/L		VOGCPAN101
TOLUENE	ND	5.000	UG/L		VOMSBAO322
TRANS-1,2-DICHLOROETHENE	ND	0.500	UG/L		VOGCHAN201
TRANS-1,2-DICHLOROETHENE	ND	10.000	UG/L		VOMSBAO322
TRANS-1,3-DICHLOROPROPENE	ND	1.000	UG/L		VOGCHAN201
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		VOMSBAO322
TRICHLOROETHENE	34.	0.715	UG/L		VOGCHAN201
TRICHLOROETHENE	80.	5.000	UG/L		VOMSBAO322
TRICHLOROFLUOROMETHANE	ND	2.000	UG/L		VOGCHAN201
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		VOMSBAO322
VINYL CHLORIDE	ND	1.144	UG/L		VOGCHAN201
VINYL CHLORIDE	ND	10.000	UG/L		VOMSBAO322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AG7893

ENS: 93-11047
MP: 562931
REV: 02

Sampled: 1-APR-1993
Received: 3-APR-1993
Reported: 22-APR-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	251.68		FT		FDWDTWTC01
GROUNDWATER ELEV.	277.52		FT MSL		FDWGWELWDT
PH FIELD	7.04		PH UNITS		FDPHSING01
SPECIFIC CONDUCTANCE FIELD	675		UMHOS/CM		FDSPCOND01
WATER TEMPERATURE IN DEGREES CELSIUS	18.9		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	335.00		FT		FDWGWELWDT
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	10.000	UG/L		VOMSBAO322
1,1,1-TRICHLOROETHANE	ND	0.572	UG/L		VOGCHAN201
1,1,1-TRICHLOROETHANE	13.	8.000	UG/L		VOMSBAO322
1,1,2,2-TETRACHLOROETHANE	ND	2.000	UG/L		VOGCHAN201
1,1,2,2-TETRACHLOROETHANE	ND	16.000	UG/L		VOMSBAO322
1,1,2-TRICHLOROETHANE	ND	1.000	UG/L		VOGCHAN201
1,1,2-TRICHLOROETHANE	ND	16.000	UG/L		VOMSBAO322
1,1-DICHLOROETHANE	ND	0.572	UG/L		VOGCHAN201
1,1-DICHLOROETHANE	ND	8.000	UG/L		VOMSBAO322
1,1-DICHLOROETHENE	11.	0.572	UG/L		VOGCHAN201
1,1-DICHLOROETHENE	22.	8.000	UG/L		VOMSBAO322
1,2-DICHLOROBENZENE	ND	1.000	UG/L		VOGCHAN201
1,2-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,2-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBAO322
1,2-DICHLOROETHANE	ND	1.000	UG/L		VOGCHAN201
1,2-DICHLOROETHANE	ND	8.000	UG/L		VOMSBAO322
1,2-DICHLOROPROPANE	ND	1.430	UG/L		VOGCHAN201
1,2-DICHLOROPROPANE	ND	8.000	UG/L		VOMSBAO322
1,3-DICHLOROBENZENE	ND	1.430	UG/L		VOGCHAN201
1,3-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,3-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBAO322
1,4-DICHLOROBENZENE	ND	1.144	UG/L		VOGCHAN201
1,4-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,4-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBAO322
2-BUTANONE	ND	40.000	UG/L		VOMSBAO322
2-CHLOROETHYLVINYL ETHER	ND	9.000	UG/L	ST	VOGCHAN201
2-CHLOROETHYLVINYL ETHER	ND	32.000	UG/L	ST	VOMSBAO322
4-METHYL-2-PENTANONE	ND	40.000	UG/L		VOMSBAO322
ACETONE	ND	96.000	UG/L		VOMSBAO322
BENZENE	ND	0.500	UG/L		VOGCPAN101
BENZENE	ND	5.000	UG/L		VOMSBAO322
BROMODICHLOROMETHANE	ND	1.000	UG/L		VOGCHAN201
BROMODICHLOROMETHANE	ND	8.000	UG/L		VOMSBAO322
BROMOFORM	ND	2.000	UG/L		VOGCHAN201
BROMOFORM	ND	8.000	UG/L		VOMSBAO322
BROMOMETHANE	ND	5.000	UG/L		VOGCHAN201
BROMOMETHANE	ND	10.000	UG/L		VOMSBAO322
CARBON TETRACHLORIDE	ND	0.572	UG/L		VOGCHAN201
CARBON TETRACHLORIDE	ND	5.000	UG/L		VOMSBAO322
CHLOROBENZENE	ND	0.572	UG/L		VOGCHAN201
CHLOROBENZENE	ND	0.500	UG/L		VOGCPAN101
CHLOROBENZENE	ND	8.000	UG/L		VOMSBAO322
CHLOROETHANE	ND	1.144	UG/L		VOGCHAN201
CHLOROETHANE	ND	16.000	UG/L		VOMSBAO322
CHLOROFORM	ND	0.572	UG/L		VOGCHAN201
CHLOROFORM	ND	8.000	UG/L		VOMSBAO322
CHLOROMETHANE	ND	1.000	UG/L		VOGCHAN201
CHLOROMETHANE	ND	16.000	UG/L		VOMSBAO322
CIS-1,3-DICHLOROPROPENE	ND	1.144	UG/L		VOGCHAN201
CIS-1,3-DICHLOROPROPENE	ND	8.000	UG/L		VOMSBAO322
DIBROMOCHLOROMETHANE	ND	1.144	UG/L		VOGCHAN201

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOGCHAN201	Dilution factor 1.43 applied.
VOMSBAO322	Dilution factor 4 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AG7893

ENS: 93-11047
MP: 562931
REV: 02

Sampled: 1-APR-1993
Received: 3-APR-1993
Reported: 22-APR-1993

Analyte	Result	P Q L	Units	Comments	Method
DIBROMOCHLOROMETHANE	ND	16.000	UG/L		VOMSBA0322
DICHLORODIFLUOROMETHANE	ND	5.000	UG/L		VOGCHAN201
ETHYLBENZENE	ND	0.500	UG/L		VOGCPAN101
ETHYLBENZENE	ND	8.000	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	2.000	UG/L		VOGCHAN201
METHYLENE CHLORIDE	ND	20.000	UG/L		VOMSBA0322
O-XYLENE	ND	10.000	UG/L		VOMSBA0322
TETRACHLOROETHENE	43.	0.572	UG/L		VOGCHAN201
TETRACHLOROETHENE	110.	8.000	UG/L		VOMSBA0322
TOLUENE	ND	0.500	UG/L		VOGCPAN101
TOLUENE	ND	8.000	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	0.500	UG/L		VOGCHAN201
TRANS-1,2-DICHLOROETHENE	ND	10.000	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	1.000	UG/L		VOGCHAN201
TRANS-1,3-DICHLOROPROPENE	ND	8.000	UG/L		VOMSBA0322
TRICHLOROETHENE	38.	0.715	UG/L		VOGCHAN201
TRICHLOROETHENE	130.	8.000	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	2.000	UG/L		VOGCHAN201
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	1.144	UG/L		VOGCHAN201
VINYL CHLORIDE	ND	16.000	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW02
Sample Type: WELL
Sample Number: AG7895

ENS: 93-11047
MP: 562931
REV: 02

Sampled: 1-APR-1993
Received: 3-APR-1993
Reported: 22-APR-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	250.03		FT		FDWDTWTC01
GROUNDWATER ELEV.	275.54		FT MSL		FDWGWELWDT
PH FIELD	7.01		PH UNITS		FDPHSING01
SPECIFIC CONDUCTANCE FIELD	555		UMHOS/CM		FDSPCOND01
WATER TEMPERATURE IN DEGREES CELSIUS	18.9		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	328.00		FT		FDWGWELWDT
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	28.580	UG/L		VOMSBAO322
1,1,1-TRICHLOROETHANE	240.	20.000	UG/L		VOGCHAN201
1,1,1-TRICHLOROETHANE	80.	28.580	UG/L		VOMSBAO322
1,1,2,2-TETRACHLOROETHANE	ND	20.000	UG/L		VOGCHAN201
1,1,2,2-TETRACHLOROETHANE	ND	57.160	UG/L		VOMSBAO322
1,1,2-TRICHLOROETHANE	ND	10.000	UG/L		VOGCHAN201
1,1,2-TRICHLOROETHANE	ND	57.160	UG/L		VOMSBAO322
1,1-DICHLOROETHANE	ND	20.000	UG/L		VOGCHAN201
1,1-DICHLOROETHANE	ND	28.580	UG/L		VOMSBAO322
1,1-DICHLOROETHENE	150.	20.000	UG/L		VOGCHAN201
1,1-DICHLOROETHENE	87.	28.580	UG/L		VOMSBAO322
1,2-DICHLOROBENZENE	ND	20.000	UG/L		VOGCHAN201
1,2-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,2-DICHLOROBENZENE	ND	28.580	UG/L		VOMSBAO322
1,2-DICHLOROETHANE	ND	20.000	UG/L		VOGCHAN201
1,2-DICHLOROETHANE	ND	28.580	UG/L		VOMSBAO322
1,2-DICHLOROPROPANE	ND	50.000	UG/L		VOGCHAN201
1,2-DICHLOROPROPANE	ND	28.580	UG/L		VOMSBAO322
1,3-DICHLOROBENZENE	ND	50.000	UG/L		VOGCHAN201
1,3-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,3-DICHLOROBENZENE	ND	28.580	UG/L		VOMSBAO322
1,4-DICHLOROBENZENE	ND	40.000	UG/L		VOGCHAN201
1,4-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,4-DICHLOROBENZENE	ND	28.580	UG/L		VOMSBAO322
2-BUTANONE	ND	142.900	UG/L		VOMSBAO322
2-CHLOROETHYLVINYL ETHER	ND	200.000	UG/L	ST	VOGCHAN201
2-CHLOROETHYLVINYL ETHER	ND	114.320	UG/L	ST	VOMSBAO322
4-METHYL-2-PENTANONE	ND	142.900	UG/L		VOMSBAO322
ACETONE	ND	342.960	UG/L		VOMSBAO322
BENZENE	ND	0.500	UG/L		VOGCPAN101
BENZENE	ND	5.716	UG/L		VOMSBAO322
BROMODICHLOROMETHANE	ND	20.000	UG/L		VOGCHAN201
BROMODICHLOROMETHANE	ND	28.580	UG/L		VOMSBAO322
BROMOFORM	ND	40.000	UG/L		VOGCHAN201
BROMOFORM	ND	28.580	UG/L		VOMSBAO322
BROMOMETHANE	ND	20.000	UG/L		VOGCHAN201
BROMOMETHANE	ND	28.580	UG/L		VOMSBAO322
CARBON TETRACHLORIDE	ND	20.000	UG/L		VOGCHAN201
CARBON TETRACHLORIDE	ND	5.716	UG/L		VOMSBAO322
CHLOROBENZENE	ND	20.000	UG/L		VOGCHAN201
CHLOROBENZENE	ND	0.500	UG/L		VOGCPAN101
CHLOROBENZENE	ND	28.580	UG/L		VOMSBAO322
CHLOROETHANE	ND	40.000	UG/L		VOGCHAN201
CHLOROETHANE	ND	57.160	UG/L		VOMSBAO322
CHLOROFORM	ND	20.000	UG/L		VOGCHAN201
CHLOROFORM	ND	28.580	UG/L		VOMSBAO322
CHLOROMETHANE	ND	20.000	UG/L		VOGCHAN201
CHLOROMETHANE	ND	57.160	UG/L		VOMSBAO322
CIS-1,3-DICHLOROPROPENE	ND	40.000	UG/L		VOGCHAN201
CIS-1,3-DICHLOROPROPENE	ND	28.580	UG/L		VOMSBAO322
DIBROMOCHLOROMETHANE	ND	40.000	UG/L		VOGCHAN201

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOGCHAN201	Dilution factor 50 applied.
VOMSBAO322	Dilution factor 14.29 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW02
Sample Type: WELL
Sample Number: AG7895

ENS: 93-11047
MP: 562931
REV: 02

Sampled: 1-APR-1993
Received: 3-APR-1993
Reported: 22-APR-1993

Analyte	Result	P Q L	Units	Comments	Method
DIBROMOCHLOROMETHANE	ND	57.160	UG/L		VOMSBA0322
DICHLORODIFLUOROMETHANE	ND	20.000	UG/L		VOGCHAN201
ETHYLBENZENE	ND	0.500	UG/L		VOGCPAN101
ETHYLBENZENE	ND	28.580	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	40.000	UG/L		VOGCHAN201
METHYLENE CHLORIDE	ND	71.450	UG/L		VOMSBA0322
O-XYLENE	ND	28.580	UG/L		VOMSBA0322
TETRACHLOROETHENE	2100.	20.000	UG/L		VOGCHAN201
TETRACHLOROETHENE	330.	28.580	UG/L		VOMSBA0322
TOLUENE	ND	0.500	UG/L		VOGCPAN101
TOLUENE	ND	28.580	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	10.000	UG/L		VOGCHAN201
TRANS-1,2-DICHLOROETHENE	ND	28.580	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	20.000	UG/L		VOGCHAN201
TRANS-1,3-DICHLOROPROPENE	ND	28.580	UG/L		VOMSBA0322
TRICHLOROETHENE	1300.	25.000	UG/L		VOGCHAN201
TRICHLOROETHENE	620.	28.580	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	20.000	UG/L		VOGCHAN201
TRICHLOROFLUOROMETHANE	ND	28.580	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	40.000	UG/L		VOGCHAN201
VINYL CHLORIDE	ND	57.160	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AG7896

ENS: 93-11047
MP: 562931
REV: 02

Sampled: 2-APR-1993
Received: 3-APR-1993
Reported: 22-APR-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	NA		FT		FDWDTWTC01
GROUNDWATER ELEV.	NA		FT MSL		FDWGWELWDT
PH FIELD	NA		PH UNITS		FDPHSING01
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND01
WATER TEMPERATURE IN DEGREES CELSIUS	NA		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	319.50		FT		FDWGWELWDT
VOLATILE ORGANICS:					
(M and P)-XYLENE	NO SAMPLE		UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	NO SAMPLE		UG/L		VOGCHAN201
1,1,1-TRICHLOROETHANE	NO SAMPLE		UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	NO SAMPLE		UG/L		VOGCHAN201
1,1,2,2-TETRACHLOROETHANE	NO SAMPLE		UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	NO SAMPLE		UG/L		VOGCHAN201
1,1,2-TRICHLOROETHANE	NO SAMPLE		UG/L		VOMSBA0322
1,1-DICHLOROETHANE	NO SAMPLE		UG/L		VOGCHAN201
1,1-DICHLOROETHANE	NO SAMPLE		UG/L		VOMSBA0322
1,1-DICHLOROETHENE	NO SAMPLE		UG/L		VOGCHAN201
1,1-DICHLOROETHENE	NO SAMPLE		UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	NO SAMPLE		UG/L		VOGCHAN201
1,2-DICHLOROBENZENE	NO SAMPLE		UG/L		VOGCPAN101
1,2-DICHLOROBENZENE	NO SAMPLE		UG/L		VOMSBA0322
1,2-DICHLOROETHANE	NO SAMPLE		UG/L		VOGCHAN201
1,2-DICHLOROETHANE	NO SAMPLE		UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	NO SAMPLE		UG/L		VOGCHAN201
1,2-DICHLOROPROPANE	NO SAMPLE		UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	NO SAMPLE		UG/L		VOGCHAN201
1,3-DICHLOROBENZENE	NO SAMPLE		UG/L		VOGCPAN101
1,3-DICHLOROBENZENE	NO SAMPLE		UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	NO SAMPLE		UG/L		VOGCHAN201
1,4-DICHLOROBENZENE	NO SAMPLE		UG/L		VOGCPAN101
1,4-DICHLOROBENZENE	NO SAMPLE		UG/L		VOMSBA0322
2-BUTANONE	NO SAMPLE		UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	NO SAMPLE		UG/L		VOGCHAN201
2-CHLOROETHYLVINYL ETHER	NO SAMPLE		UG/L		VOMSBA0322
4-METHYL-2-PENTANONE	NO SAMPLE		UG/L		VOMSBA0322
ACETONE	NO SAMPLE		UG/L		VOMSBA0322
BENZENE	NO SAMPLE		UG/L		VOGCPAN101
BENZENE	NO SAMPLE		UG/L		VOMSBA0322
BROMODICHLOROMETHANE	NO SAMPLE		UG/L		VOGCHAN201
BROMODICHLOROMETHANE	NO SAMPLE		UG/L		VOMSBA0322
BROMOFORM	NO SAMPLE		UG/L		VOGCHAN201
BROMOFORM	NO SAMPLE		UG/L		VOMSBA0322
BROMOMETHANE	NO SAMPLE		UG/L		VOGCHAN201
BROMOMETHANE	NO SAMPLE		UG/L		VOMSBA0322
CARBON TETRACHLORIDE	NO SAMPLE		UG/L		VOGCHAN201
CARBON TETRACHLORIDE	NO SAMPLE		UG/L		VOMSBA0322
CHLOROBENZENE	NO SAMPLE		UG/L		VOGCHAN201
CHLOROBENZENE	NO SAMPLE		UG/L		VOGCPAN101
CHLOROBENZENE	NO SAMPLE		UG/L		VOMSBA0322
CHLOROETHANE	NO SAMPLE		UG/L		VOGCHAN201
CHLOROETHANE	NO SAMPLE		UG/L		VOMSBA0322
CHLOROFORM	NO SAMPLE		UG/L		VOGCHAN201
CHLOROFORM	NO SAMPLE		UG/L		VOMSBA0322
CHLOROMETHANE	NO SAMPLE		UG/L		VOGCHAN201
CHLOROMETHANE	NO SAMPLE		UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	NO SAMPLE		UG/L		VOGCHAN201
CIS-1,3-DICHLOROPROPENE	NO SAMPLE		UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	NO SAMPLE		UG/L		VOGCHAN201
DIBROMOCHLOROMETHANE	NO SAMPLE		UG/L		VOMSBA0322
DICHLORODIFLUOROMETHANE	NO SAMPLE		UG/L		VOGCHAN201
ETHYLBENZENE	NO SAMPLE		UG/L		VOGCPAN101
ETHYLBENZENE	NO SAMPLE		UG/L		VOMSBA0322
METHYLENE CHLORIDE	NO SAMPLE		UG/L		VOGCHAN201
METHYLENE CHLORIDE	NO SAMPLE		UG/L		VOMSBA0322
O-XYLENE	NO SAMPLE		UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AG7896

ENS: 93-11047
MP: 562931
REV: 02

Sampled: 2-APR-1993
Received: 3-APR-1993
Reported: 22-APR-1993

Analyte	Result	P Q L	Units	Comments	Method
TETRACHLOROETHENE	NO SAMPLE		UG/L		VOGCHAN201
TETRACHLOROETHENE	NO SAMPLE		UG/L		VOMSBA0322
TOLUENE	NO SAMPLE		UG/L		VOGCPAN101
TOLUENE	NO SAMPLE		UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	NO SAMPLE		UG/L		VOGCHAN201
TRANS-1,2-DICHLOROETHENE	NO SAMPLE		UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	NO SAMPLE		UG/L		VOGCHAN201
TRANS-1,3-DICHLOROPROPENE	NO SAMPLE		UG/L		VOMSBA0322
TRICHLOROETHENE	NO SAMPLE		UG/L		VOGCHAN201
TRICHLOROETHENE	NO SAMPLE		UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	NO SAMPLE		UG/L		VOGCHAN201
TRICHLOROFLUOROMETHANE	NO SAMPLE		UG/L		VOMSBA0322
VINYL CHLORIDE	NO SAMPLE		UG/L		VOGCHAN201
VINYL CHLORIDE	NO SAMPLE		UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AG7897

ENS: 93-11047
MP: 562931
REV: 02

Sampled: 1-APR-1993
Received: 3-APR-1993
Reported: 22-APR-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	243.65		FT		FDWDTWTC01
GROUNDWATER ELEV.	276.71		FT MSL		FDWGWELWDT
PH FIELD	6.97		PH UNITS		FDPHSING01
SPECIFIC CONDUCTANCE FIELD	717		UMHOS/CM		FDSPCOND01
WATER TEMPERATURE IN DEGREES CELSIUS	19.3		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	318.00		FT		FDWGWELWDT
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	14.286	UG/L		VOMSBAO322
1,1,1-TRICHLOROETHANE	62.	4.000	UG/L		VOGCHAN201
1,1,1-TRICHLOROETHANE	39.	14.286	UG/L		VOMSBAO322
1,1,2,2-TETRACHLOROETHANE	ND	4.000	UG/L		VOGCHAN201
1,1,2,2-TETRACHLOROETHANE	ND	28.572	UG/L		VOMSBAO322
1,1,2-TRICHLOROETHANE	ND	2.000	UG/L		VOGCHAN201
1,1,2-TRICHLOROETHANE	ND	28.572	UG/L		VOMSBAO322
1,1-DICHLOROETHANE	ND	4.000	UG/L		VOGCHAN201
1,1-DICHLOROETHANE	ND	14.286	UG/L		VOMSBAO322
1,1-DICHLOROETHENE	60.	4.000	UG/L		VOGCHAN201
1,1-DICHLOROETHENE	35.	14.286	UG/L		VOMSBAO322
1,2-DICHLOROBENZENE	ND	4.000	UG/L		VOGCHAN201
1,2-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,2-DICHLOROBENZENE	ND	14.286	UG/L		VOMSBAO322
1,2-DICHLOROETHANE	6.	4.000	UG/L		VOGCHAN201
1,2-DICHLOROETHANE	ND	14.286	UG/L		VOMSBAO322
1,2-DICHLOROPROPANE	ND	10.000	UG/L		VOGCHAN201
1,2-DICHLOROPROPANE	ND	14.286	UG/L		VOMSBAO322
1,3-DICHLOROBENZENE	ND	10.000	UG/L		VOGCHAN201
1,3-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,3-DICHLOROBENZENE	ND	14.286	UG/L		VOMSBAO322
1,4-DICHLOROBENZENE	ND	8.000	UG/L		VOGCHAN201
1,4-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,4-DICHLOROBENZENE	ND	14.286	UG/L		VOMSBAO322
2-BUTANONE	ND	71.430	UG/L		VOMSBAO322
2-CHLOROETHYLVINYL ETHER	ND	40.000	UG/L	ST	VOGCHAN201
2-CHLOROETHYLVINYL ETHER	ND	57.144	UG/L	ST	VOMSBAO322
4-METHYL-2-PENTANONE	ND	71.430	UG/L		VOMSBAO322
ACETONE	ND	171.432	UG/L		VOMSBAO322
BENZENE	.5	0.500	UG/L		VOGCPAN101
BENZENE	ND	5.000	UG/L		VOMSBAO322
BROMODICHLOROMETHANE	ND	4.000	UG/L		VOGCHAN201
BROMODICHLOROMETHANE	ND	14.286	UG/L		VOMSBAO322
BROMOFORM	ND	8.000	UG/L		VOGCHAN201
BROMOFORM	ND	14.286	UG/L		VOMSBAO322
BROMOMETHANE	ND	5.000	UG/L		VOGCHAN201
BROMOMETHANE	ND	14.286	UG/L		VOMSBAO322
CARBON TETRACHLORIDE	ND	4.000	UG/L		VOGCHAN201
CARBON TETRACHLORIDE	ND	5.000	UG/L		VOMSBAO322
CHLOROBENZENE	ND	4.000	UG/L		VOGCHAN201
CHLOROBENZENE	1.	0.500	UG/L		VOGCPAN101
CHLOROBENZENE	ND	14.286	UG/L		VOMSBAO322
CHLOROETHANE	ND	8.000	UG/L		VOGCHAN201
CHLOROETHANE	ND	28.572	UG/L		VOMSBAO322
CHLOROFORM	ND	4.000	UG/L		VOGCHAN201
CHLOROFORM	ND	14.286	UG/L		VOMSBAO322
CHLOROMETHANE	ND	4.000	UG/L		VOGCHAN201
CHLOROMETHANE	ND	28.572	UG/L		VOMSBAO322
CIS-1,3-DICHLOROPROPENE	ND	8.000	UG/L		VOGCHAN201
CIS-1,3-DICHLOROPROPENE	ND	14.286	UG/L		VOMSBAO322
DIBROMOCHLOROMETHANE	ND	8.000	UG/L		VOGCHAN201

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
VOGCHAN201	Dilution factor 10 applied.
VOMSBAO322	Dilution factor 7.143 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AG7897

ENS: 93-11047
MP: 562931
REV: 02

Sampled: 1-APR-1993
Received: 3-APR-1993
Reported: 22-APR-1993

Analyte	Result	P Q L	Units	Comments	Method
DIBROMOCHLOROMETHANE	ND	28.572	UG/L		VOMSBAO322
DICHLORODIFLUOROMETHANE	ND	5.000	UG/L		VOGCHAN201
ETHYLBENZENE	ND	0.500	UG/L		VOGCPAN101
ETHYLBENZENE	ND	14.286	UG/L		VOMSBAO322
METHYLENE CHLORIDE	ND	8.000	UG/L		VOGCHAN201
METHYLENE CHLORIDE	ND	35.715	UG/L		VOMSBAO322
O-XYLENE	ND	14.286	UG/L		VOMSBAO322
TETRACHLOROETHENE	310.	4.000	UG/L		VOGCHAN201
TETRACHLOROETHENE	280.	14.286	UG/L		VOMSBAO322
TOLUENE	ND	0.500	UG/L		VOGCPAN101
TOLUENE	ND	14.286	UG/L		VOMSBAO322
TRANS-1,2-DICHLOROETHENE	ND	2.000	UG/L		VOGCHAN201
TRANS-1,2-DICHLOROETHENE	ND	14.286	UG/L		VOMSBAO322
TRANS-1,3-DICHLOROPROPENE	ND	4.000	UG/L		VOGCHAN201
TRANS-1,3-DICHLOROPROPENE	ND	14.286	UG/L		VOMSBAO322
TRICHLOROETHENE	160.	5.000	UG/L		VOGCHAN201
TRICHLOROETHENE	150.	14.286	UG/L		VOMSBAO322
TRICHLOROFLUOROMETHANE	ND	4.000	UG/L		VOGCHAN201
TRICHLOROFLUOROMETHANE	ND	14.286	UG/L		VOMSBAO322
VINYL CHLORIDE	ND	8.000	UG/L		VOGCHAN201
VINYL CHLORIDE	ND	28.572	UG/L		VOMSBAO322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AG7898

ENS: 93-11047
MP: 562931
REV: 02

Sampled: 1-APR-1993
Received: 3-APR-1993
Reported: 22-APR-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	244.68		FT		FDWDTWTC01
GROUNDWATER ELEV.	274.89		FT MSL		FDWGWELWDT
PH FIELD	7.09		PH UNITS		FDPHSING01
SPECIFIC CONDUCTANCE FIELD	743		UMHOS/CM		FDSPCOND01
WATER TEMPERATURE IN DEGREES CELSIUS	19.0		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	330.00		FT		FDWGWELWDT
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	20.000	UG/L		VOMSBAO322
1,1,1-TRICHLOROETHANE	49.	4.000	UG/L		VOGCHAN201
1,1,1-TRICHLOROETHANE	59.	20.000	UG/L		VOMSBAO322
1,1,2,2-TETRACHLOROETHANE	ND	4.000	UG/L		VOGCHAN201
1,1,2,2-TETRACHLOROETHANE	ND	40.000	UG/L		VOMSBAO322
1,1,2-TRICHLOROETHANE	ND	2.000	UG/L		VOGCHAN201
1,1,2-TRICHLOROETHANE	ND	40.000	UG/L		VOMSBAO322
1,1-DICHLOROETHANE	ND	4.000	UG/L		VOGCHAN201
1,1-DICHLOROETHANE	ND	20.000	UG/L		VOMSBAO322
1,1-DICHLOROETHENE	36.	4.000	UG/L		VOGCHAN201
1,1-DICHLOROETHENE	36.	20.000	UG/L		VOMSBAO322
1,2-DICHLOROBENZENE	ND	4.000	UG/L		VOGCHAN201
1,2-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,2-DICHLOROBENZENE	ND	20.000	UG/L		VOMSBAO322
1,2-DICHLOROETHANE	ND	4.000	UG/L		VOGCHAN201
1,2-DICHLOROETHANE	ND	20.000	UG/L		VOMSBAO322
1,2-DICHLOROPROPANE	ND	10.000	UG/L		VOGCHAN201
1,2-DICHLOROPROPANE	ND	20.000	UG/L		VOMSBAO322
1,3-DICHLOROBENZENE	ND	10.000	UG/L		VOGCHAN201
1,3-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,3-DICHLOROBENZENE	ND	20.000	UG/L		VOMSBAO322
1,4-DICHLOROBENZENE	ND	8.000	UG/L		VOGCHAN201
1,4-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,4-DICHLOROBENZENE	ND	20.000	UG/L		VOMSBAO322
2-BUTANONE	ND	100.000	UG/L		VOMSBAO322
2-CHLOROETHYLVINYL ETHER	ND	40.000	UG/L	ST	VOGCHAN201
2-CHLOROETHYLVINYL ETHER	ND	80.000	UG/L	ST	VOMSBAO322
4-METHYL-2-PENTANONE	ND	100.000	UG/L		VOMSBAO322
ACETONE	ND	240.000	UG/L		VOMSBAO322
BENZENE	1.	0.500	UG/L		VOGCPAN101
BENZENE	ND	5.000	UG/L		VOMSBAO322
BROMODICHLOROMETHANE	ND	4.000	UG/L		VOGCHAN201
BROMODICHLOROMETHANE	ND	20.000	UG/L		VOMSBAO322
BROMOFORM	ND	8.000	UG/L		VOGCHAN201
BROMOFORM	ND	20.000	UG/L		VOMSBAO322
BROMOMETHANE	ND	5.000	UG/L		VOGCHAN201
BROMOMETHANE	ND	20.000	UG/L		VOMSBAO322
CARBON TETRACHLORIDE	ND	4.000	UG/L		VOGCHAN201
CARBON TETRACHLORIDE	ND	5.000	UG/L		VOMSBAO322
CHLOROBENZENE	ND	4.000	UG/L		VOGCHAN201
CHLOROBENZENE	2.	0.500	UG/L		VOGCPAN101
CHLOROBENZENE	ND	20.000	UG/L		VOMSBAO322
CHLOROETHANE	ND	8.000	UG/L		VOGCHAN201
CHLOROETHANE	ND	40.000	UG/L		VOMSBAO322
CHLOROFORM	ND	4.000	UG/L		VOGCHAN201
CHLOROFORM	ND	20.000	UG/L		VOMSBAO322
CHLOROMETHANE	ND	4.000	UG/L		VOGCHAN201
CHLOROMETHANE	ND	40.000	UG/L		VOMSBAO322
CIS-1,3-DICHLOROPROPENE	ND	8.000	UG/L		VOGCHAN201
CIS-1,3-DICHLOROPROPENE	ND	20.000	UG/L		VOMSBAO322
DIBROMOCHLOROMETHANE	ND	8.000	UG/L		VOGCHAN201

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOGCHAN201	Dilution factor 10 applied.
VOMSBAO322	Dilution factor 10 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AG7898

ENS: 93-11047
MP: 562931
REV: 02

Sampled: 1-APR-1993
Received: 3-APR-1993
Reported: 22-APR-1993

Analyte	Result	P Q L	Units	Comments	Method
DIBROMOCHLOROMETHANE	ND	40.000	UG/L		VOMSBAO322
DICHLORODIFLUOROMETHANE	ND	5.000	UG/L		VOGCHAN201
ETHYLBENZENE	ND	0.500	UG/L		VOGCPAN101
ETHYLBENZENE	ND	20.000	UG/L		VOMSBAO322
METHYLENE CHLORIDE	ND	8.000	UG/L		VOGCHAN201
METHYLENE CHLORIDE	ND	50.000	UG/L		VOMSBAO322
O-XYLENE	ND	20.000	UG/L		VOMSBAO322
TETRACHLOROETHENE	290.	4.000	UG/L		VOGCHAN201
TETRACHLOROETHENE	390.	20.000	UG/L		VOMSBAO322
TOLUENE	ND	0.500	UG/L		VOGCPAN101
TOLUENE	ND	20.000	UG/L		VOMSBAO322
TRANS-1,2-DICHLOROETHENE	ND	2.000	UG/L		VOGCHAN201
TRANS-1,2-DICHLOROETHENE	ND	20.000	UG/L		VOMSBAO322
TRANS-1,3-DICHLOROPROPENE	ND	4.000	UG/L		VOGCHAN201
TRANS-1,3-DICHLOROPROPENE	ND	20.000	UG/L		VOMSBAO322
TRICHLOROETHENE	110.	5.000	UG/L		VOGCHAN201
TRICHLOROETHENE	190.	20.000	UG/L		VOMSBAO322
TRICHLOROFLUOROMETHANE	ND	4.000	UG/L		VOGCHAN201
TRICHLOROFLUOROMETHANE	ND	20.000	UG/L		VOMSBAO322
VINYL CHLORIDE	ND	8.000	UG/L		VOGCHAN201
VINYL CHLORIDE	ND	40.000	UG/L		VOMSBAO322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: TBK-01FB
Sample Type: WELL
Sample Number: AG7892

ENS: 93-11047
MP: 562931
REV: 02

Sampled: 1-APR-1993
Received: 3-APR-1993
Reported: 22-APR-1993

Analyte	Result	P Q L	Units	Comments	Method
VOLATILE ORGANICS:					
1,2-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
BENZENE	ND	0.500	UG/L		VOGCPAN101
CHLOROBENZENE	ND	0.500	UG/L		VOGCPAN101
ETHYLBENZENE	ND	0.500	UG/L		VOGCPAN101
TOLUENE	ND	0.500	UG/L		VOGCPAN101

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Subcontract To: _____

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 228
Date Sealed 93/3/15 (YY / MM / DD)
Seal # 49214
By: ER

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: W01FB (Source Code)

SAMPLE DATE: - 930401 (YY / MM / DD)

SAMPLE TIME: 11:45 (2400 HR.) MATRIX CODE: W

Water (W) Leachate (C)
Soil (S) Other (X)

Source Codes:

Well (W) Leachate System (C) Pretreatment Facility (P) River/Stream/Brook (R) Soil (S) Generation Pt (G)
Dewatering/Pressure Relief (D) Gas Condensate (M) Influent (U) Lake or Ocean (L) Bottom Sediment (B) Other (X)
Surface Water Impoundment (I) Air (A) Effluent (T) Outfall (O) Noise (N) Specify _____

ENS # 93-11047

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AG7892-A	04	G	HCL/COOL 4 DEG C	VO	Y N		
AG7892-B	04	G	HCL/COOL 4 DEG C	VO	Y N		
AG7892-C	04	G	NONE/COOL 4 DEG C	VO	Y N		
AG7892-D	01	G	HCL/COOL 4 DEG C	VO	Y N		TBK
~~AG7892-E~~	~~01~~	~~G~~	~~HCL/COOL 4 DEG C~~	~~VO~~	~~Y N~~		~~TBK~~ CANCEL 3-E
~~AG7892-F~~	~~01~~	~~G~~	~~NONE/COOL 4 DEG C~~	~~VO~~	~~Y N~~		~~TBK~~
					Y N		
					Y N		
					Y N		
					Y N		TB>6mm
					Y N		4-3-93
					Y N		JRH
					Y N		
					Y N		
					Y N		
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) TERRY McPHETRIDGE Date: 3/19/93 Time: 10:45 (2400 HR.)
Signature: Terry McPhet Seal #: 49214 Intact: YES

I have received these materials in good condition from the above person.

2. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

4. AquaPak™/Sub Contr. # 228 Sealed By: TERRY McPHETRIDGE (Print) Date: 4/2/93 Time: 15:00 (2400 HR.)
Signature: Terry McPhet Seal #: 43797 Intact: YES

LAB USE ONLY
Opened By: (Signature) Joel Hiffert Date: 4/3/93 Time: 10:45 (2400 HR.)
AquaPak™/Sub. Contr. # 228 Temp°C 3 Seal # 43797 Intact: Y

EML FF-1A 12/92

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: A6789Z

FIELD INFORMATION FORM

Sample Point: W01FB (Source Code)

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
930401	11:00	03	758	2310

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL THE GALVANIZED PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon C-Rope X- (SPECIFY)	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
Filtering Devices 0.45 μ:		A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* 5203.6 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	243.65 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	276.91 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* 318.00 (ft)	Stickup	(ft)

	ph	spec. cond. (μm/cm at 25° C)	
1st	6.97 (STD)	717	Sample Temp. 19.3 (° C)
2nd	(STD)		
3rd	(STD)		
4th	(STD)		

(other parameter)	value	units
WELL DIAM	5.0	in

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: NONE Color: NO COLOR Turbidity: NONE

Weather Conditions: Wind Speed 5 MPH Direction NORTH Precipitation Y/(N) Outlook CLOUDY

Specific Comments: * INFORMATION OBTAINED FROM WELL ID CHART (1993). WELL ACCESS GOOD. CONCRETE EDGING BROKEN ON NE CORNER. 318 - 243.65 = 74.35 x 1.02 = 75.837 x 3 = 227.51 GALLONS. GOOD RECHARGE RATE; 3 WELL VOLUMES OBTAINED AT 11:20 hrs.

Ø1FB FIELD BLANK SAMPLES COLLECTED AT MW Ø4. WELL IS LOCATED IN THE WEST SIDE OF THE PLANT FACILITY.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

4/1/93 (Date) Jerry McPhee (Signature) Employer: RUST E & I

Subcontract To:

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 228
Date Sealed 93/03/15 (YY / MM / DD)
Seal # 49214
By: EP

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: WDUP (Source Code)

SAMPLE DATE: - 930401 (YY / MM / DD)

SAMPLE TIME: 13:25 (2400 HR.) MATRIX CODE: W

Water (W) Soil (S) Leachate (C) Other (X)

Source Codes:

Well (W) Dewatering/Pressure Relief (D) Surface Water Impoundment (I) Leachate System (C) Gas Condensate (M) Air (A) Pretreatment Facility (P) Influent (U) Effluent (T) River/Stream/Brook (R) Lake or Ocean (L) Outfall (O) Soil (S) Bottom Sediment (B) Noise (N) Generation Pt. (G) Other (X) Specify

ENS # 93-11047

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AG7894-A	04	G	HCL/COOL 4 DEG C	VO	Y N		
AG7894-B	04	G	HCL/COOL 4 DEG C	VO	Y N		
AG7894-C	04	G	NONE/COOL 4 DEG C	VO	Y N		
~~AG7894-D~~	~~01~~	~~G~~	~~HCL/COOL 4 DEG C~~	~~VO~~	Y N		~~TBK~~ CANCEL
~~AG7894-E~~	~~01~~	~~G~~	~~HCL/COOL 4 DEG C~~	~~VO~~	Y N		~~TBK~~ 3-15-93
~~AG7894-F~~	~~01~~	~~G~~	~~NONE/COOL 4 DEG C~~	~~VO~~	Y N		~~TBK~~
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) TERRY McPHETRIDGE Date: 3/19/93 Time: 10:45 (2400 HR.)
Signature: Terry McPh Seal #: 49214 Intact: YES

I have received these materials in good condition from the above person.

2. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks:

I have received these materials in good condition from the above person.

3. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks:

4. AquaPak™/Sub Contr. # 228 Sealed By: TERRY McPHETRIDGE (Print) Date: 4/2/93 Time: 15:00 (2400 HR.)
Signature: Terry McPh Seal #: 43797 Intact: YES

LAB USE ONLY
Opened By: (Signature) Date: 4/3/93 Time: 10:45 (2400 HR.)
AquaPak™/Sub. Contr. # 228 Temp °C 2 Seal # 43797 Intact

EML FF-1A 12/92

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AG789 4

FIELD INFORMATION FORM

Sample Point: WDUP (Source Code)

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
930401	1237	0.5	85.0	256.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL TNC GALVANIZED PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:		A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* 529.20 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	251.68 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	277.52 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* 335.00 (ft)	Stickup	(ft)

	ph	spec. cond. (μm/cm at 25° C)			
1st	7.04 (STD)	675	Sample Temp.	18.9 (° C)	
2nd	(STD)		Well Diam. (other parameter)	5.0 (value)	in (units)
3rd	(STD)				
4th	(STD)				

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: NONE Color: NO COLOR Turbidity: NONE

Weather Conditions: Wind Speed 8 MPH Direction EAST Precipitation Y/(N) Outlook CLOUDY

Specific Comments: * INFORMATION OBTAINED FROM WELL ID CHART (1993).
WELL ACCESS AND CONDITION ARE GOOD.

335.00 - 251.68 = 83.32 [illegible] 84.99 x 3 = 254.97 GALLONS.
GOOD RECHARGE RATE; [illegible] OBTAINED AT 13:05 hrs.
DUPLICATE SAMPLES COLLECTED AT MW-01. WELL IS LOCATED
IN NORTH PORTION OF PLANT.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

4/1/93 (Date) [signature] (Signature) Employer: RUSTE & I

Subcontract To:

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 228
Date Sealed 93/03/15 (YY / MM / DD)
Seal # 49214
By: SR

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: WMW01 (Source Code)

SAMPLE DATE: - 930401 (YY / MM / DD)

SAMPLE TIME: 13:25 (2400 HR.) MATRIX CODE: W

Water . . . . . (W) Soil . . . . . (S) Leachate . . . . . (C) Other . . . . . (X)

Source Codes:

Well . . . . . (W) Dewatering/Pressure Relief . . . . (D) Surface Water Impoundment . . . (I) Leachate System . . (C) Gas Condensate . . . (M) Air . . . . . (A) Pretreatment Facility . . . (P) Influent . . . . . (U) Effluent . . . . . (T) River/Stream/Brook . . (R) Lake or Ocean . . . . . (L) Outfall . . . . . (O) Soil . . . . . (S) Bottom Sediment . . . (B) Noise . . . . . (N) Generation Pt. . . . . (G) Other . . . . . (X) Specify

ENS # 93-11047

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AG7893-A	04	G	HCL/COOL	4 DEG C VO	Y N		
AG7893-B	04	G	HCL/COOL	4 DEG C VO	Y N		
AG7893-C	04	G	NONE/COOL	4 DEG C VO	Y N		
AG7893-D	03	G	HCL/COOL	4 DEG C VO	Y N		TBE
AG7893-E	03	G	HCL/COOL	4 DEG C VO	Y N		TBE
AG7893-F	03	G	NONE/COOL	4 DEG C VO	Y N		TBE
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) TERRY McPHERIDGE Date: 3/19/93 Time: 10:45 (2400 HR.)
   Signature: Terry McPh Seal #: 49214 Intact: YES

   I have received these materials in good condition from the above person.

2. Name: Signature:
   Date: / / Time: : (2400 HR.) Remarks:

   I have received these materials in good condition from the above person.

3. Name: Signature:
   Date: / / Time: : (2400 HR.) Remarks:

4. AquaPak™/Sub Contr. # 228 Sealed By: TERRY McPHERIDGE (Print) Date: 4/2/93 Time: 15:00 (2400 HR.)
   Signature: Terry McPh Seal #: 43797 Intact: YES

LAB USE ONLY
Opened By: Date: Time: 2400 HR.
AquaPak™/Sub Contr. # Temp°C: Seal # Intact:

EML FF-1A 12/92

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AG7893

FIELD INFORMATION FORM

Sample Point: WMW01 (Source Code)

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
930401	12:37	0.5	85.0	256.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL TNC GALVANIZED PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:		A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* 529.20 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	251.68 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	277.52 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* 335.00 (ft)	Stickup	(ft)

	ph		spec. cond.		
1st	7.04 (STD)	1st	675 μm/cm at 25° C	Sample Temp.	18.9 (° C)
2nd	(STD)	2nd	μm/cm at 25° C	WELL DIAM (other parameter)	5.0 (value) in (units)
3rd	(STD)	3rd	μm/cm at 25° C	(other parameter)	(value) (units)
4th	(STD)	4th	μm/cm at 25° C	(other parameter)	(value) (units)

FIELD COMMENTS

Sample Appearance: (if applicable) Odor: NONE Color: NO COLOR Turbidity: NONE

Weather Conditions: Wind Speed 8 MPH Direction EAST Precipitation Y/N Outlook CLOUDY

Specific Comments: * INFORMATION OBTAINED FROM WELL ID CHART (1993).
WELL ACCESS AND CONDITION ARE GOOD.

335.00 − 251.68 = 8[illegible].32 [illegible] 8[illegible].99 x3 = 254.97 GALLONS.
GOOD RECHARGE RATE; [illegible] AT 13:05 hrs.
DUPLICATE SAMPLES COLLECTED AT MW-[illegible]1, 'DUP' BOTTLE/SAMPLE ID # AG7894.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

4/1/93 (Date) [signature] (Signature) Employer: RUST E & I

Subcontract To:

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 335
Date Sealed 93/3/15 (YY / MM / DD)
Seal # 43166
By: EL

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: WMW02 (Source Code)

SAMPLE DATE: 930401 (YY / MM / DD)

SAMPLE TIME: 14:50 (2400 HR.) MATRIX CODE: W

Water (W) Leachate (C) Soil (S) Other (X)

Source Codes:

Well (W) Leachate System (C) Pretreatment Facility (P) River/Stream/Brook (R) Soil (S) Generation Pt. (G)
Dewatering/Pressure Relief (D) Gas Condensate (M) Influent (U) Lake or Ocean (L) Bottom Sediment (B) Other (X)
Surface Water Impoundment (I) Air (A) Effluent (T) Outfall (O) Noise (N) Specify

ENS # 93-11047 **AquaPak™ CONTENT**

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AG7895-A	04	G	HCL/COOL 4 DEG C	VO	Y N		
AG7895-B	04	G	HCL/COOL 4 DEG C	VO	Y N		
AG7895-C	04	G	NONE/COOL 4 DEG C	VO	Y N	C4 BROKE WHILE COOLING TEM [illegible]	
AG7895-D	01	G	HCL/COOL 4 DEG C	VO	Y N		TBK
~~AG7895-E~~	~~01~~	~~G~~	~~HCL/COOL 4 DEG C~~	~~VO~~	Y N		~~TBK~~
~~AG7895-F~~	~~01~~	~~G~~	~~NONE/COOL 4 DEG C~~	~~VO~~	Y N		~~TBK~~ CANCEL 3-15-93
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		TB > 6mm
					Y N		
					Y N		4-3-93
					Y N		JRH
					Y N		
					Y N		
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) TERRY McPHETRIDGE Date: 3/19/93 Time: 10:15 (2400 HR.)
Signature: [signature] Seal #: 43166 Intact: YES

I have received these materials in good condition from the above person.

2. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks:

I have received these materials in good condition from the above person.

3. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks:

4. AquaPak™/Sub Contr. # 335 Sealed By: TERRY McPHETRIDGE (Print) Date: 4/2/93 Time: 15:10 (2400 HR.)
Signature: [signature] Seal #: 43984 Intact: YES

LAB USE ONLY
Opened By: Date: Time: 10 (2400 HR.)
AquaPak™/Sub Contr. # Temp°C Seal # Intact:

EML FF-1A 12/92

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AG7895

FIELD INFORMATION FORM

Sample Point: WMW02 (Source Code)

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
930401	14.20	0.4	79.5	241.5

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL TNC GALVANIZED PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:		A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* ~~52~~ TRM 5 25.57 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	250.03 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	275.54 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* 328.00 (ft)	Stickup	(ft)

1st	7.01 (STD) ph	1st	555 μm/cm at 25° C spec. cond.	Sample Temp.	18.9 (° C)
2nd	(STD) ph	2nd	μm/cm at 25° C spec. cond.	Well Diam (other parameter)	50 value in units
3rd	(STD) ph	3rd	μm/cm at 25° C spec. cond.	(other parameter)	value units
4th	(STD) ph	4th	μm/cm at 25° C spec cond.	(other parameter)	value units

FIELD COMMENTS

Sample Appearance: (if applicable) Odor: NONE Color: NO COLOR Turbidity: NONE

Weather Conditions: Wind Speed 8 MPH Direction E Precipitation Y/(N) Outlook CLOUDY

Specific Comments: *INFORMATION OBTAINED FROM WELL ID CHART (1993).
WELL ACCESS & CONDITION ARE GOOD.

328.00 - 250.03 = 77.97 x [illegible] 53 x3 = 238.59 GALLONS.
GOOD RECHARGE RATE; [illegible] OBTAINED AT 14:45hrs.
WELL IS LOCATED IN S.E. CORNER OF SITE, SOUTH OF CWM OFFICE/
ADMINISTRATION BUILDINGS.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

4/1/93 (Date) [signature] (Signature) Employer: RUST E & I

Subcontract To:

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 335
Date Sealed 9 3 / 1 3 / 1 5 (YY / MM / DD)
Seal # 431646
By: EL

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: W M W 0 3 (Source Code)

SAMPLE DATE: - (YY / MM / DD)

SAMPLE TIME: : (2400 HR.)

MATRIX CODE: W

Water (W) Soil (S) Leachate (C) Other (X)

Source Codes:

Well (W) Dewatering/Pressure Relief (D) Surface Water Impoundment (I) Leachate System (C) Gas Condensate (M) Air (A) Pretreatment Facility (P) Influent (U) Effluent (T) River/Stream/Brook (R) Lake or Ocean (L) Outfall (O) Soil (S) Bottom Sediment (B) Noise (N) Generation Pt. (G) Other (X) Specify

ENS # 93-11047

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AG7896-A	04	G	HCL/COOL 4 DEG C	VO	Y N		
AG7896-B	04	G	HCL/COOL 4 DEG C	VO	Y N		
AG7896-C	04	G	NONE/COOL 4 DEG C	VO	Y N		
~~AG7896-D~~	~~01~~	~~G~~	~~HCL/COOL 4 DEG C~~	~~VO~~	Y N		~~TDK~~ 3-15-93
~~AG7896-E~~	~~01~~	~~G~~	~~HCL/COOL 4 DEG C~~	~~VO~~	Y N		~~TDK~~
~~AG7896-F~~	~~01~~	~~G~~	~~NONE/COOL 4 DEG C~~	~~VO~~	Y N		~~TDK~~
					Y N		
					Y N	NO SAMPLING	
					Y N		
					Y N	PERFORMED	RESCHEDULED
					Y N		
					Y N	W/ NEW EVAPORATE	
					Y N		
					Y N	TPM 4/2/93	
					Y N		
					Y N		
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) TERRY McPHETRIDGE Date: 3/19/93 Time: 10:15 (2400 HR.)
Signature: Terry McPhetr Seal #: 431646 Intact: YES

I have received these materials in good condition from the above person.

2. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks:

I have received these materials in good condition from the above person.

3. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks:

4. AquaPak™/Sub Contr. # 335 Sealed By: Terry McPhetr (Print) Date: 4/2/93 Time: 15:10 (2400 HR.)
Signature: Terry McPh Seal #: 43984 Intact: YES

LAB USE ONLY
Opened By: (print) Date: Time: 10:08 (2400 HR.)
AquaPak™/Sub. Contr. # Seal # Intact

EML FF-1A 12/92

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AG7896

FIELD INFORMATION FORM

Sample Point: WMW03 (Source Code)

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (Circle one) Sampling Equipment ..... Dedicated (Y) | N | (Circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL THC GALVANIZED PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:		A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* 518.93 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	(ft)	Depth to water From land surface	(ft)
Groundwater Elevation	(ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* 319.50 (ft)	Stickup	(ft)

	ph		spec. cond.		Sample Temp.	(° C)
1st	(STD)	1st	μm/cm at 25° C			
2nd	(STD)	2nd	μm/cm at 25° C		WELL DIAM (other parameter)	value / units
3rd	(STD)	3rd	μm/cm at 25° C		(other parameter)	value / units
4th	(STD)	4th	μm/cm at 25° C		(other parameter)	value / units

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: _____ Color: _____ Turbidity: _____

Weather Conditions: Wind Speed _____ Direction _____ Precipitation Y/N Outlook _____

Specific Comments: * INFORMATION OBTAINED FROM WELL ID CHART (1993)

NO PURGING OR SAMPLING PERFORMED IN MW-03. [illegible] W/ NEW EVENT NO. TRM [illegible] 2/93

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

4/2/93 (Date) [signature] (Signature) Employer: RUST E&I

Subcontract To:

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 335
Date Sealed 93/3/15 (YY / MM / DD)
Seal # 431646
By: EL

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: WMW04 (Source Code)

SAMPLE DATE: - 930401 (YY / MM / DD)

SAMPLE TIME: 11:45 (2400 HR.) MATRIX CODE: W

Water . . . . . (W) Leachate . . . . . (C)
Soil . . . . . (S) Other . . . . . (X)

Source Codes:

Well . . . . . (W) Leachate System . . (C) Pretreatment Facility . . . (P) River/Stream/Brook . . (R) Soil . . . . . (S) Generation Pt. . . . . (G)
Dewatering/Pressure Relief . . . . (D) Gas Condensate . . . (M) Influent . . . . . (U) Lake or Ocean . . . . . (L) Bottom Sediment . . . (B) Other . . . . . (X)
Surface Water Impoundment . . . (I) Air . . . . . (A) Effluent . . . . . (T) Outfall . . . . . (O) Noise . . . . . (N) Specify _____

ENS # 93-11047

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y → N	FIELD COMMENTS	E.M.L. COMMENTS
AG7897-A	04	G	HCL/COOL 4	DEC C VO	Y N		
AG7897-B	04	G	HCL/COOL 4	DEC C VO	Y N		
AG7897-C	04	G	HCL/COOL 4	DEC C VO	Y N		
AG7897-D	04	G	HCL/COOL 4	DEC C VO	Y N		TBL
AG7897-E	04	G	HCL/COOL 4	DEC C VO	Y N		TBL
AG7897-F	04	G	HCL/COOL 4	DEC C VO	Y N		TBL
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) TERRY McPHETRIDGE Date: 3/19/93 Time: 10:15 (2400 HR.)
Signature: [signature] Seal #: 431646 Intact: YES

I have received these materials in good condition from the above person.

2. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

4. AquaPak™/Sub Contr. # 335 Sealed By: TERRY McPHETRIDGE (Print) Date: 4/2/93 Time: 15:10 (2400 HR.)
Signature: [signature] Seal #: 43984 Intact: YES

LAB USE ONLY
Opened By: Date: Time: 2400 HR.
AquaPak™/Sub Contr. # Seal # Intact

EML FF-1A 12/92

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: A6789 7

FIELD INFORMATION FORM

Sample Point: WMW04 (Source Code)

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
930401	11:00	03	75.8	231.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated |Y| |N| (circle one) Sampling Equipment ..... Dedicated |Y| |N| (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL INC GALVANIZED PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:		A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* 520.36 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	243.65 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	276.71 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* 318.00 (ft)	Stickup	(ft)

	ph	spec. cond. (μm/cm at 25° C)
1st	6.97 (STD)	717
2nd	(STD)	
3rd	(STD)	
4th	(STD)	

Sample Temp. 19.3 (° C)

(other parameter)	value	units
WELL DIAM	50	in

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: NONE Color: NO COLOR Turbidity: NONE

Weather Conditions: Wind Speed 5 MPH Direction NORTH Precipitation Y/N Outlook CLOUDY

Specific Comments: * INFORMATION OBTAINED FROM WELL ID CHART (1993)
WELL ACCESS GOOD. CONCRETE PAD CRACKED ON NE SIDE.
318 - 243.65 = 74.35 x 1.02 = 75.8 x 3 = 227.51 GALLONS.
GOOD RECHARGE RATE; WELL [illegible] OBTAINED AT 11:20 hrs.
01 FB FIELD BLANK SAMPLE [illegible] AT MW04.
WELL IS LOCATED IN THE WEST SECTION OF THE PLANT FACILITY.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

4/1/93 (Date) Jerry McPhee (Signature) Employer: RUST E&I

Subcontract To: _____

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 335
Date Sealed 93/03/15 (YY / MM / DD)
Seal # 43166
By: ER

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: WMW05 (Source Code)

SAMPLE DATE: - 930401 (YY / MM / DD)

SAMPLE TIME: 10:30 (2400 HR.) MATRIX CODE: W

Water ..... (W) Leachate ..... (C)
Soil ..... (S) Other ..... (X)

Source Codes:

Well ..... (W)	Leachate System .. (C)	Pretreatment Facility ... (P)	River/Stream/Brook .. (R)	Soil ..... (S)	Generation Pt. .... (G)
Dewatering/Pressure Relief .... (D)	Gas Condensate ... (M)	Influent ..... (U)	Lake or Ocean ..... (L)	Bottom Sediment ... (B)	Other ..... (X)
Surface Water Impoundment ... (I)	Air ..... (A)	Effluent ..... (T)	Outfall ..... (O)	Noise ..... (N)	Specify _____

ENS # 93-11047

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AG7898-A	04	G	HCL/COOL 4 DEG C	VO	Y / N		
AG7898-B	04	G	HCL/COOL 4 DEG C	VO	Y / N		
AG7898-C	04	G	NONE/COOL 4 DEG C	VO	Y / N		
~~AG7898-D~~	~~01~~	~~G~~	~~HCL/COOL 4 DEG C~~	~~VO~~	Y / N		~~TBK~~
~~AG7898-E~~	~~01~~	~~G~~	~~HCL/COOL 4 DEG C~~	~~VO~~	Y / N		~~TBK~~
~~AG7898-F~~	~~01~~	~~G~~	~~NONE/COOL 4 DEG C~~	~~VO~~	Y / N		~~TBK~~
					Y / N		
					Y / N		
					Y / N		
					Y / N		
					Y / N		
					Y / N		
					Y / N		
					Y / N		
					Y / N		
					Y / N		
					Y / N		

ANCEL 3-15-93

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) TERRY McPHETRIDGE Date: 3/19/93 Time: 10:15 (2400 HR.)
Signature: Terry McPhet Seal #: 43166 Intact: YES

I have received these materials in good condition from the above person.

2. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

4. AquaPak™/Sub Contr. # 335 Sealed By: TERRY McPHETRIDGE (Print) Date: 4/2/93 Time: 15:10 (2400 HR.)
Signature: Terry McPhet Seal #: 43984 Intact: YES

LAB USE ONLY
Opened By: (Signature) [signature] Date: 4/3/93 Time: 10:08 (2400 HR.)
AquaPak™/Sub. Contr. # [illegible] Temp°C [illegible] Seal # 43984 Intact: Y

EML FF-1A 12/92

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AG7898

Sample Point: WMW05 (Source Code)

FIELD INFORMATION FORM

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
930401	9.38	0.5	87.0	265.7

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL TNC GALVANIZED PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:		A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* 519.57 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	244.68 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	274.89 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* 330.00 (ft)	Stickup	(ft)

	ph		spec. cond.		
1st	7.09 (STD)	1st	743 μm/cm at 25° C	Sample Temp.	19.0 (° C)
2nd	(STD)	2nd	μm/cm at 25° C	WELL DIAM (other parameter)	5.0 value in units
3rd	(STD)	3rd	μm/cm at 25° C	(other parameter)	value units
4th	(STD)	4th	μm/cm at 25° C	(other parameter)	value units

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: NONE Color: NO COLOR Turbidity: NONE

Weather Conditions: Wind Speed 5 MPH Direction NW Precipitation Y/(N) Outlook CLOUDY

Specific Comments: * INFORMATION OBTAINED FROM WELL ID CHART (1993).
WELL ACCESS & CONDITION ARE GOOD.

330.00 - 244.68 = 85.32 x 1.02 = 87.02 x 3 = 261.07 GALLONS 3 WELL VOLUME
GOOD RECHARGE RATE; 3 WELL VOLUMES OBTAINED AT 10:05 hrs.
WELL IS LOCATED IN THE S.W. SECTION OF THE SITE; SOUTH PORTION OF THE PLANT FACILITY.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

4/1/93 (Date) [signature] (Signature) Employer: RUST E & I

ATTACHMENT 4

ANALYTICAL RESULTS
MW-03 AND ASSOCIATED TRAVEL BLANK

05-470.25

WMI Environmental Monitoring Laboratories, Inc.

Analytical Report Transmittal Memorandum

APR 1993
RECEIVED
Western Region
Environmental
Mgt. Dept.
C.W.M.L.

Date: April 27, 1993

To: Client(s) - see below

From: Dave Lundquist

Subject: O.S.C.O. 93-11536

Please find enclosed the current Client Report, Field Information Forms, and Field Chain-of-Custody Records for the recently completed event at O.S.C.O..

The data has been thoroughly reviewed and compared to historical data. We have tried to provide a report that is complete and of known and documented quality. Please take a moment to review the enclosed report to insure it meets your expectations.

If you have any questions, don't hesitate to call Donna Bierschenk at (708)208-3100.

Report Distribution:

Name	Report Type
Marc Yalom*	ALL +Diskette

* *Program Manager*

WMI Environmental Monitoring Laboratories, Inc.
2100 Cleanwater Drive
Geneva, Illinois 60134
708/208-3100

A Waste Management Company

Enclosed are the analytical results for samples received from your facility. The results in the Client Report are for a single ENS (Event Notification System) number only. The sampling event at your facility may include multiple ENS numbers. A separate Client Report will be generated for each one.

It is the goal of WMI Environmental Monitoring Laboratories, Inc. to provide analytical data in a timely fashion, formatted in a way that our clients will find most useful.

If you have any questions concerning the form or content of this report, please contact the WMI EML Customer Operations Department:

Main Number (708) 208-3100
FAX Number (708) 208-1175

Note: Two designations may appear in the results column of your Client Report: NA or ND.

The designation NA (for "Not Analyzed") is used to identify analytes which were requested in the monitoring program, but for which no suitable testing methodology exists. NA may also indicate a dry well, broken sample bottle, insufficient sample volume, or other condition which precludes analysis for a sample.

The designation ND (for "Not Detected") is used to indicate that the analyte of interest was not found at or above the concentration listed under the EMLRL (EML Reporting Limit) heading.

Unless otherwise indicated, all analytes meet the requirements of holding time as specified in the method.

Deborah C. Hockman, Ph.D.

Deborah C. Hockman, Ph.D.
President
WMI Environmental Monitoring Laboratories, Inc.

DATA QUALIFIER COMMENT CODE DEFINITIONS

AR: Acid surrogate recoveries did not meet the acceptance criteria of the method. Oxidative degradation due to sample matrix is suggested.

BB: Broken bottle.

BL: The method blank concentration associated with this analyte did not meet the acceptance criteria of the method.

CX: The concentration of this compound exceeded the calibration used for this analysis. The concentration reported is estimated.

CU: Co-elution with another compound interferes with the quantitation of this compound. The concentration reported is estimated.

DL: The sample was diluted during analysis. Reporting limits have been adjusted where necessary.

DP: This sample was analyzed in duplicate. The relative percent difference between the two results did not meet the acceptance criteria of the method.

DW: Dry well.

HS: Headspace in sample exceeded laboratory control limit. The reported results of the analysis may be less than the actual value.

IS: The internal standard recoveries associated with this analysis did not meet the acceptance criteria of the method.

IV: The bottle did not contain enough sample to perform the analysis.

MP: 3-methylphenol and 4-methylphenol co-elute under the analytical conditions of the method, and can not be differentiated solely on the basis of their mass spectra. The concentrations reported may be either or both isomers.

MX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was in control. The result reported may therfore be affected by matrix interferences.

NN: N-nitrosodiphenylamine can not be distinguished from diphenylamine using gas chromatography. The concentrations reported may be either or both compounds.

NQ: No standard qualifier code is in use for this qualification. See the associated comment.

NS: There was not enough sample to repeat this analysis.

PL: This result may be a product of contamination from phthalate plasticizers, which are a common lab contaminant.

PX: This sample required preservation in the field to a pH of less than 2. The pH was checked before analysis and did not have a pH of less than 2.

PY: This sample required preservation in the field to a pH of 4 to 5. The pH was checked before analysis and did not have a pH of 4 to 5.

PZ: This sample required preservation in the field to a pH of 12 or greater. The pH was checked before analysis and did not have a pH of 12 or greater.

QX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was out-of-control. The analytical result for this parameter in the unspiked sample is suspect and may not be reported for regulatory compliance purposes.

SB: The analysis of this sample was performed by an approved subcontract laboratory.

ST: This compound is not stable in acidic water.

SU: The analysis of the surrogate with this sample did not meet the acceptance criteria of the method.

TX: The analysis for this parameter was conducted after the holding time specified in the method.

UN: This compound is not stable under the conditions of the analysis.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AH0616

ENS: 93-11536
MP: 562934
REV: 00

Sampled: 9-APR-1993
Received: 10-APR-1993
Reported: 26-APR-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	239.13		FT		FDWDTWTC01
GROUNDWATER ELEV.	279.80		FT MSL		FDWGWELWDT
PH FIELD	6.99		PH UNITS		FDPHSING01
SPECIFIC CONDUCTANCE FIELD	653		UMHOS/CM		FDSPCOND01
WATER TEMPERATURE IN DEGREES CELSIUS	17.7		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	319.50		FT		FDWGWELWDT
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	10.000	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	9.	0.800	UG/L		VOGCHAN201
1,1,1-TRICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	2.000	UG/L		VOGCHAN201
1,1,2,2-TETRACHLOROETHANE	ND	5.720	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	1.000	UG/L		VOGCHAN201
1,1,2-TRICHLOROETHANE	ND	5.720	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	0.800	UG/L		VOGCHAN201
1,1-DICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	17.	0.800	UG/L		VOGCHAN201
1,1-DICHLOROETHENE	8.	5.000	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	1.000	UG/L		VOGCHAN201
1,2-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,2-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	ND	1.000	UG/L		VOGCHAN201
1,2-DICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	2.000	UG/L		VOGCHAN201
1,2-DICHLOROPROPANE	ND	5.000	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	2.000	UG/L		VOGCHAN201
1,3-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,3-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	1.600	UG/L		VOGCHAN201
1,4-DICHLOROBENZENE	ND	1.000	UG/L		VOGCPAN101
1,4-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBA0322
2-BUTANONE	ND	14.300	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	9.000	UG/L	ST	VOGCHAN201
2-CHLOROETHYLVINYL ETHER	ND	20.000	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	14.300	UG/L		VOMSBA0322
ACETONE	ND	34.320	UG/L		VOMSBA0322
BENZENE	ND	0.500	UG/L		VOGCPAN101
BENZENE	ND	5.000	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	1.000	UG/L		VOGCHAN201
BROMODICHLOROMETHANE	ND	5.000	UG/L		VOMSBA0322
BROMOFORM	ND	2.000	UG/L		VOGCHAN201
BROMOFORM	ND	5.000	UG/L		VOMSBA0322
BROMOMETHANE	ND	5.000	UG/L		VOGCHAN201
BROMOMETHANE	ND	10.000	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	0.800	UG/L		VOGCHAN201
CARBON TETRACHLORIDE	ND	5.000	UG/L		VOMSBA0322
CHLOROBENZENE	ND	0.800	UG/L		VOGCHAN201
CHLOROBENZENE	ND	0.500	UG/L		VOGCPAN101
CHLOROBENZENE	ND	5.000	UG/L		VOMSBA0322
CHLOROETHANE	ND	1.600	UG/L		VOGCHAN201
CHLOROETHANE	ND	10.000	UG/L		VOMSBA0322
CHLOROFORM	ND	0.800	UG/L		VOGCHAN201
CHLOROFORM	ND	5.000	UG/L		VOMSBA0322
CHLOROMETHANE	ND	1.000	UG/L		VOGCHAN201
CHLOROMETHANE	ND	10.000	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	1.600	UG/L		VOGCHAN201
CIS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	1.600	UG/L		VOGCHAN201

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
VOGCHAN201	Dilution factor 2 applied.
VOMSBA0322	Dilution factor 1.43 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AH0616

ENS: 93-11536
MP: 562934
REV: 00

Sampled: 9-APR-1993
Received: 10-APR-1993
Reported: 26-APR-1993

Analyte	Result	P Q L	Units	Comments	Method
DIBROMOCHLOROMETHANE	ND	5.720	UG/L		VOMSBAO322
DICHLORODIFLUOROMETHANE	ND	5.000	UG/L		VOGCHAN201
ETHYLBENZENE	ND	0.500	UG/L		VOGCPAN101
ETHYLBENZENE	ND	5.000	UG/L		VOMSBAO322
METHYLENE CHLORIDE	ND	2.000	UG/L		VOGCHAN201
METHYLENE CHLORIDE	ND	7.150	UG/L		VOMSBAO322
O-XYLENE	ND	10.000	UG/L		VOMSBAO322
TETRACHLOROETHENE	61.	0.800	UG/L		VOGCHAN201
TETRACHLOROETHENE	50.	5.000	UG/L		VOMSBAO322
TOLUENE	ND	0.500	UG/L		VOGCPAN101
TOLUENE	ND	5.000	UG/L		VOMSBAO322
TRANS-1,2-DICHLOROETHENE	ND	0.500	UG/L		VOGCHAN201
TRANS-1,2-DICHLOROETHENE	ND	10.000	UG/L		VOMSBAO322
TRANS-1,3-DICHLOROPROPENE	ND	1.000	UG/L		VOGCHAN201
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		VOMSBAO322
TRICHLOROETHENE	64.	1.000	UG/L		VOGCHAN201
TRICHLOROETHENE	71.	5.000	UG/L		VOMSBAO322
TRICHLOROFLUOROMETHANE	ND	2.000	UG/L		VOGCHAN201
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		VOMSBAO322
VINYL CHLORIDE	ND	1.600	UG/L		VOGCHAN201
VINYL CHLORIDE	ND	10.000	UG/L		VOMSBAO322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: TBK-MW03
Sample Type: WELL
Sample Number: AH0616

ENS: 93-11536
MP: 562934
REV: 00

Sampled: 9-APR-1993
Received: 10-APR-1993
Reported: 26-APR-1993

Analyte	Result	P Q L	Units	Comments	Method
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	10.000	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	ND	5.000	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	5.000	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBA0322
2-BUTANONE	ND	10.000	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	20.000	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	10.000	UG/L		VOMSBA0322
ACETONE	ND	34.000	UG/L		VOMSBA0322
BENZENE	ND	5.000	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	5.000	UG/L		VOMSBA0322
BROMOFORM	ND	5.000	UG/L		VOMSBA0322
BROMOMETHANE	ND	10.000	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	5.000	UG/L		VOMSBA0322
CHLOROBENZENE	ND	5.000	UG/L		VOMSBA0322
CHLOROETHANE	ND	10.000	UG/L		VOMSBA0322
CHLOROFORM	ND	5.000	UG/L		VOMSBA0322
CHLOROMETHANE	ND	10.000	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		VOMSBA0322
ETHYLBENZENE	ND	5.000	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	5.000	UG/L		VOMSBA0322
O-XYLENE	ND	10.000	UG/L		VOMSBA0322
TETRACHLOROETHENE	ND	5.000	UG/L		VOMSBA0322
TOLUENE	ND	5.000	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	10.000	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		VOMSBA0322
TRICHLOROETHENE	ND	5.000	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	10.000	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI Subcontract To:
Environmental Monitoring Laboratories, Inc.

AquaPak™ PREP
AquaPak™ # 2035
Date Sealed 9 3 0 4 0 2 (YY / MM / DD)
Seal # 43770
By:

FIELD CHAIN-OF-CUSTODY RECORD

SITE/FACILITY # 592 SITE NAME: O.S.C.O

Sample Point: W M W 0 3 (Source Code)

SAMPLE DATE: 9 3 0 4 0 9 (YY / MM / DD)

SAMPLE TIME: 0 8 : 5 8 (2400 HR.) MATRIX CODE: W

Water (W) Soil (S) Leachate (C) Other (X)

Source Codes:
Well (W) Dewatering/Pressure Relief (D) Surface Water Impoundment (I) Leachate System (C) Gas Condensate (M) Air (A) Pretreatment Facility (P) Influent (U) Effluent (T) River/Stream/Brook (R) Lake or Ocean (L) Outfall (O) Soil (S) Bottom Sediment (B) Noise (N) Generation Pt. (G) Other (X) Specify

ENS # 93-11536

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AH0616-A	04	G	HCL/COOL 4	DEG C VO	Y N		
AH0616-B	04	G	HCL/COOL 4	DEG C VO	Y N		
AH0616-C	04	G	NONE/COOL	4 DEG C VO	Y N		
~~AH0616-D~~	~~01~~	~~G~~	~~HCL/COOL 4~~	~~DEG C VO~~	~~Y N~~		~~TBK~~ Cancel
AH0616-E	01	G	HCL/COOL 4	DEG C VO	Y N		TBK
~~AH0616-F~~	~~01~~	~~G~~	~~NONE/COOL~~	~~4 DEG C VO~~	~~Y N~~		~~TBK~~ Cancel
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		G3 not Rec'd
					Y N		canceled.
					Y N		TB<6mm
					Y N		4-10-93
					Y N		JRH
					Y N		
					Y N		
					Y N		

4/12/93

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) TERRY McPHETRIDGE Date: 4/5/93 Time: 9:45 (2400 HR.)
Signature: Terry McP Seal #: 43770 Intact: YES

I have received these materials in good condition from the above person.

2. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks:

I have received these materials in good condition from the above person.

3. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks:

4. AquaPak™/Sub Contr. # 2035 Sealed By: TERRY McPHETRIDGE (Print) Date: 04/09/93 Time: 17:00 (2400 HR.)
Signature: Terry McP Seal #: 49488 Intact: YES

LAB USE ONLY
Opened By: (Signature) Joel [illegible] Date: 4/10/93 Time: 11:30 (2400 HR.)
AquaPak™/Sub. Contr. # 2035 Temp°C 3 Seal # 49488 Intact

EML FF-1A 12/92

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AH0616

FIELD INFORMATION FORM

Sample Point: WMW03 (Source Code)

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
930409	08:11	0.4	81.9	255.0 TRM 4/9/93

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL TNC GALVANIZED PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:		A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* 518.93 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	** 239.13 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	** 279.80 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* 319.50 (ft)	Stickup	(ft)

1st	6.99 (STD) ph	1st	653. μm/cm at 25° C spec. cond.	Sample Temp.	17.7 (° C)
2nd	(STD) ph	2nd	μm/cm at 25° C spec. cond.	WELL DIAM (other parameter)	5.0 value in units
3rd	(STD) ph	3rd	μm/cm at 25° C spec. cond.	(other parameter)	value units
4th	(STD) ph	4th	μm/cm at 25° C spec cond.	(other parameter)	value units

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: NONE Color: NO COLOR Turbidity: NONE

Weather Conditions: Wind Speed 3MPH Direction EAST Precipitation Y/(N) Outlook SUNNY

Specific Comments: * INFORMATION OBTAINED FROM WELL ID CHART (1993). ** DEPTH TO WATER ESTIMATED ONLY FROM 4/8/93 WATER LEVEL READINGS FROM FOUR OTHER WELLS. EXTRAPOLATION OF GROUNDWATER CONTOURS TO PRODUCE ESTIMATE. WELL ACCESS GOOD; CONCRETE FOOTING CRACKED AROUND METAL TRAFFIC PLATE. WELL IS LOCATED ON PECKHAM ROAD.

319.50 - ** 239.13 = 80.37 x 1.02 = 81.9774 x 3 = 245.93 GALLONS

GOOD RECHARGE RATE; 3 WELL VOLUMES OBTAINED AT 8:35

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

4/9/93 (Date) [signature] (Signature) McPhail Employer: RUST E & I

ATTACHMENT 5

EML LABORATORY QUALITY REPORT
MW-05

ATTACHMENT 6

GROUNDWATER DATA DISKETTE

WMI Environmental Monitoring Laboratories, Inc.
2100 Cleanwater Drive
Geneva, Illinois 60134
708/208-3100

JUN 1993
RECEIVED
Western Region
Environmental
Mgt. Dept.
C.W.M.I.

A Waste Management Company

JUN 1993
RECEIVED
Western Region
Environmental
Mgt. Dept.
C.W.M.I.

Date: 02-June-1993

TO: Marc Yalom

FROM: Barbara Hill *Barbara Hill*

Dept: Administration

Subject: RE: DQR 562-93-11047-OR-042893-1/1

Thank you for your inquiry concerning the recently completed sampling event at O.S.C.O. A review of the data associated with the following samples revealed no errors with the results reported:

Sample Point	Sample ID	Analyte
MW01	AF7893-B2	1,1,1-Trichloroethane
	AF7893-B2	1,1-Dichloroethene
	AF7893-B2	Tetrachloroethene
	AF7893-B2	Trichloroethene
	AF7893-C3	1,1,1-Trichloroethane
	AF7893-C3	1,1-Dichloroethene
	AF7893-C3	Tetrachloroethene
	AF7893-C3	Tetrachloroethene
MW02	AF7895-B2	1,1,1-Trichloroethane
	AF7895-B2	1,1-Dichloroethene
	AF7895-B2	Tetrachloroethene
	AF7895-B2	Trichloroethene
	AF7895-C2	1,1,1-Trichloroethane
	AF7895-C2	1,1-Dichloroethene
	AF7895-C2	Tetrachloroethene
	AF7895-C2	Trichloroethene
MW04	AF7897-B3	1,1,1-Trichloroethane
	AF7897-B3	1,1-Dichloroethene
	AF7897-B3	Tetrachloroethene
	AF7897-B3	Trichloroethene
	AF7897-C1	1,1,1-Trichloroethane
	AF7897-C1	1,1-Dichloroethene
	AF7897-C1	Tetrachloroethene
	AF7897-C1	Trichloroethene
MW05	AF7898-B3	1,1,1-Trichloroethane
	AF7898-B3	1,1-Dichloroethene
	AF7898-B3	Tetrachloroethene
	AF7898-B3	Trichloroethene
	AF7898-C1	1,1,1-Trichloroethane
	AF7898-C1	1,1-Dichloroethene
	AF7898-C1	Tetrachloroethene
	AF7898-C1	Trichloroethene

The analyses met all of the quality control requirements of the reference methods.

The results from the B aliquot set generated by GC/MS do not always agree with the results from the C aliquot set generated by GC. The source of the discrepancy appears to stem from differences in analyte concentrations between the aliquot sets themselves. The reasons for this conclusion are outlined below.

1) Each time a reportable detection is noted by GC, it is required to be confirmed by GC/MS. The GC/MS results, generated using a vial from the same aliquot set, correlate fairly well to the GC results:

Sample ID	Analyte	GC Result (ug/L)	Aliquot	GC/MS Result (ug/L)	Aliquot
AG7893	1,1,1-TCA	ND	C3	ND	C2
	1,1-DCE	11	C3	8	C2
	PCE	43	C3	51	C2
	TCE	38	C3	48	C2
AG7895	1,1,1-TCA	240	C2	157	C3
	1,1-DCE	150	C2	115	C3
	PCE	2100	C2	2384	C3
	TCE	1300	C2	1484	C3
AF7897	1,1,1-TCA	62	C1	37	C2
	1,1-DCE	60	C1	33	C2
	PCE	310	C1	289	C2
	TCE	160	C1	144	C2
AF7898	1,1,1-TCA	49	C1	32	C2
	1,1-DCE	36	C1	24	C2
	PCE	290	C1	308	C2
	TCE	110	C1	99	C2

2) GC/MS results generated during confirmation analyses for the A aliquot set (EPA 602 samples) generally don't correspond to either GC/MS results from the B aliquot set or GC results from the C aliquot set. In fact, for wells MW01, MW04 and MW05, the concentrations appear to decrease from aliquot A to B to C, and for well MW02, the analyte concentrations increase from aliquot A to B to C.

Sample ID	Analyte	A aliquot	B aliquot	C aliquot
AF7893	1,1,1-TCA	22	13	ND
	1,1-DCE	188	22	11
	PCE	214	110	43
	TCE	371	130	38
AF7895	1,1,1-TCA	71	80	240
	1,1-DCE	55	87	150
	PCE	162	330	2100
	TCE	234	620	1300
AF7897	1,1,1-TCA	122	39	62
	1,1-DCE	75	35	60
	PCE	317	280	310
	TCE	269	150	160

Sample ID	Analyte	A aliquot	B aliquot	C aliquot
AF7898	1,1,1-TCA	182	59	49
	1,1-DCE	128	36	36
	PCE	>500	390	290
	TCE	365	190	110

3) The age of the sample at the time of analysis does not appear to be the cause of the inconsistency between results generated on aliquots A, B and C. The B aliquots, with the exception of AG7897-B3, which was analyzed on 4-12 (sample 11 days old), were analyzed on 4-9 (samples 8 days old), the A aliquots were all analyzed on 4-13 (samples 12 days old), and all the C aliquots were analyzed on 4-14 (samples 13 days old). The relationship between sample age and analytical results are shown in tabular form below:

Sample ID	Analyte	4-9/4-12* Result	4-13 Result	4-14 Result
AG7893	1,1,1-TCA	13	22	ND
	1,1-DCE	22	188	11
	PCE	110	214	43
	TCE	130	371	38
AG7895	1,1,1-TCA	80	71	240
	1,1-DCE	87	55	150
	PCE	330	162	2100
	TCE	620	234	1300
AG7897	1,1,1-TCA	39*	122	62
	1,1-DCE	35*	75	60
	PCE	280*	317	310
	TCE	150*	269	160
AG7898	1,1,1-TCA	59	182	49
	1,1-DCE	36	128	36
	PCE	390	>500	290
	TCE	190	365	110

In both the GC and GC/MS methods, the calibration curve that is used for quantitation is required to be verified on a daily basis. So long as the response of the calibration check standard is within prescribed limits, the calibration is deemed valid. It is possible for the GC to have a higher than calibrated response during the analysis of a particular sample, as well as for the GC/MS to have a lower than calibrated response during the analysis of that same sample, or vice versa. Therefore, a consistent relationship between GC and GC/MS results (i.e., GC results always higher than GC/MS results), cannot be expected.

EML has seen at other sites variability in analyte concentrations within a given bottle set. The cause of this variability has been demonstrated to be the instability of the sample matrix over the sampling period. In order to appropriately evaluate the comparability of GC results to GC/MS results, the samples used for analysis must be known to be homogeneous.

If you have any further questions, please contact your Account Representative at (708) 208-3202.

Distribution:

CC:	Donna Bierschenk	(BIERSCHENK)
CC:	93-11047	(PAPER MAIL)

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rec'd 6/21/93

Chemical Waste Management, Inc.

4227 Technology Drive
Fremont, California 94538-6337
510/651-2964 Fax: 510/656-4926

June 18, 1993

Mr. Jeffrey Zelikson
Director
U.S. Environmental Protection Agency
Region IX
75 Hawthorne Street
San Francisco, California 94105

Two Copies
Via Certified Mail

Mr. Dennis Dickerson
Regional Administrator
California Environmental Protection Agency
Region III
1011 North Grandview Avenue
Glendale, California 91201

Two Copies
Via Certified Mail

Subject: Oil & Solvent Process Company, Azusa, California - CAD 008302903
RCRA Facility Investigation
May 1993 Groundwater Elevation Data

Gentlemen:

Chemical Waste Management, Inc. (CWM) is pleased to submit the groundwater elevation data collected at the Oil & Solvent Process Company (OSCO) during May 1993. CWM collects water level measurements based on U.S. EPA's request at the meeting between CWM and U.S. EPA on December 23, 1991, and described in CWM's letter dated January 14, 1992. OSCO water level measurements generally coincide with the suggested end-of-the-month schedule suggested by the Los Angeles Regional Water Quality Control Board.

Measurements were collected using an RST electric tape which accesses the static well water through a 1.5-inch diameter Schedule 80 PVC casing installed in each well. Wells MW-01, MW-02, MW-03, MW-04, and MW-05 were measured on May 21 and 27, 1993, by our consultant, RUST Environment & Infrastructure.

A summary of groundwater elevation data is presented in Table 1. Figures 1 and 2 show groundwater elevation contours for each measurement date. Note that the depth to groundwater for MW-03 on May 21 appears to be in error and was not used to calculate contours. Groundwater elevations declined slightly between measurements. The gradient magnitude average was 0.004 and direction was consistently toward the southeast.

Printed on recycled paper

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violation.

Please call me at (510) 651-2964 if you have any questions.

Sincerely,

CHEMICAL WASTE MANAGEMENT, INC.

Marc Yalom, R.G.
Hydrogeologist
Treatment and Land Disposal Operations Group

/miy

cc: Mr. Hank Yacoub, Los Angeles Regional Water Quality Control Board

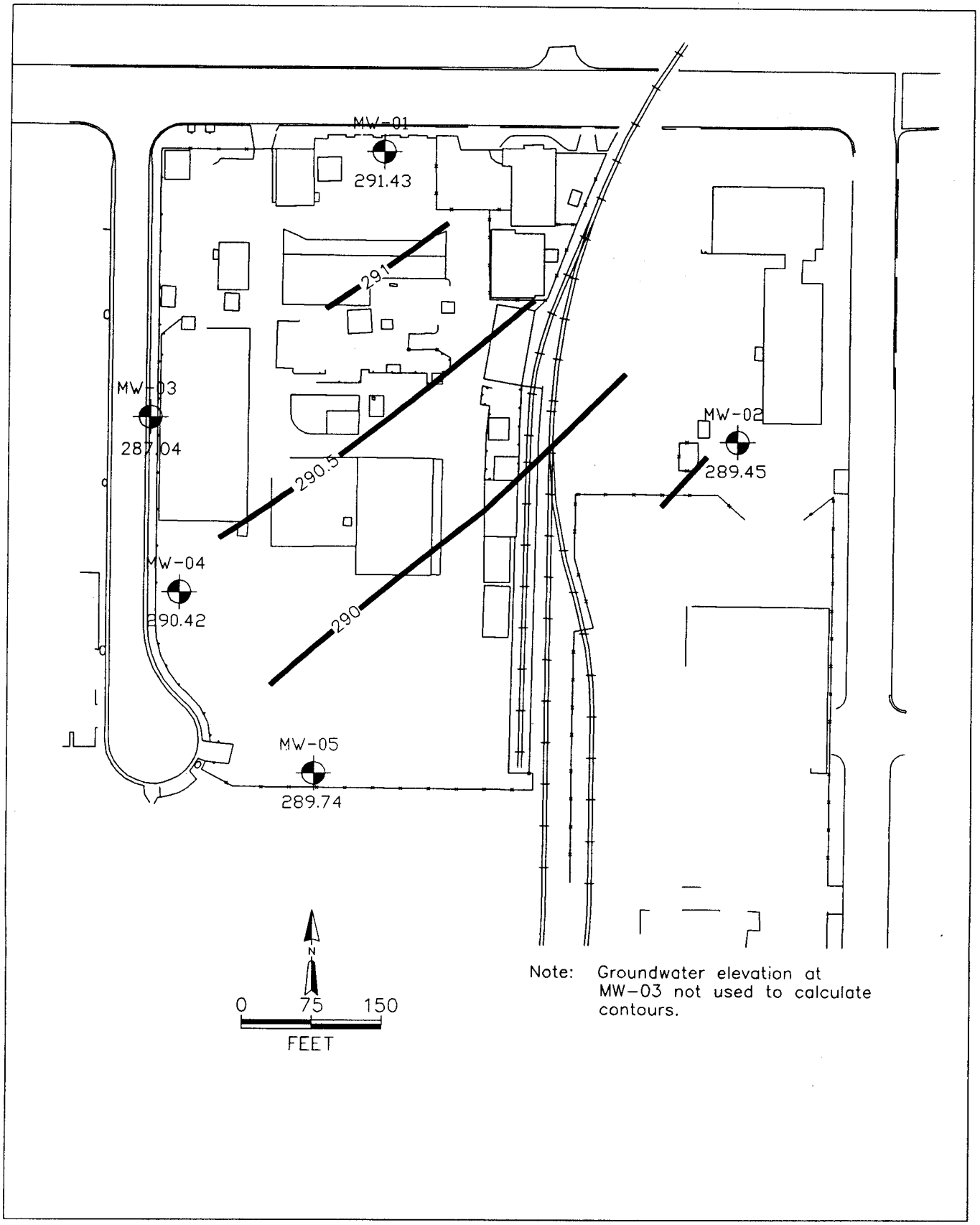
TABLE 1

CHEMICAL WASTE MANAGEMENT, INC.
OSCO FACILITY - AZUSA, CALIFORNIA
SUMMARY OF GROUNDWATER ELEVATIONS
May 1993

SITE	DATE	MP ELEVATION feet(2)	TIME	DEPTH TO WATER feet	△ WATER ELEV.(1) feet	WATER ELEV. feet(2)
MW-01	05/21/93	529.32	11:10	237.89	N/A	291.43
MW-01	05/27/93	529.32	10:35	238.01	-.12	291.31
MW-02	05/21/93	525.73	09:40	236.28	N/A	289.45
MW-02	05/27/93	525.73	09:20	236.19	.09	289.54
MW-03	05/21/93	519.06	10:30	232.02	N/A	287.04
MW-03	05/27/93	519.06	10:10	228.01	4.01	291.05
MW-04	05/21/93	520.46	12:35	230.04	N/A	290.42
MW-04	05/27/93	520.46	11:00	230.14	-.10	290.32
MW-05	05/21/93	519.66	11:50	229.92	N/A	289.74
MW-05	05/27/93	519.66	10:46	230.05	-.13	289.61

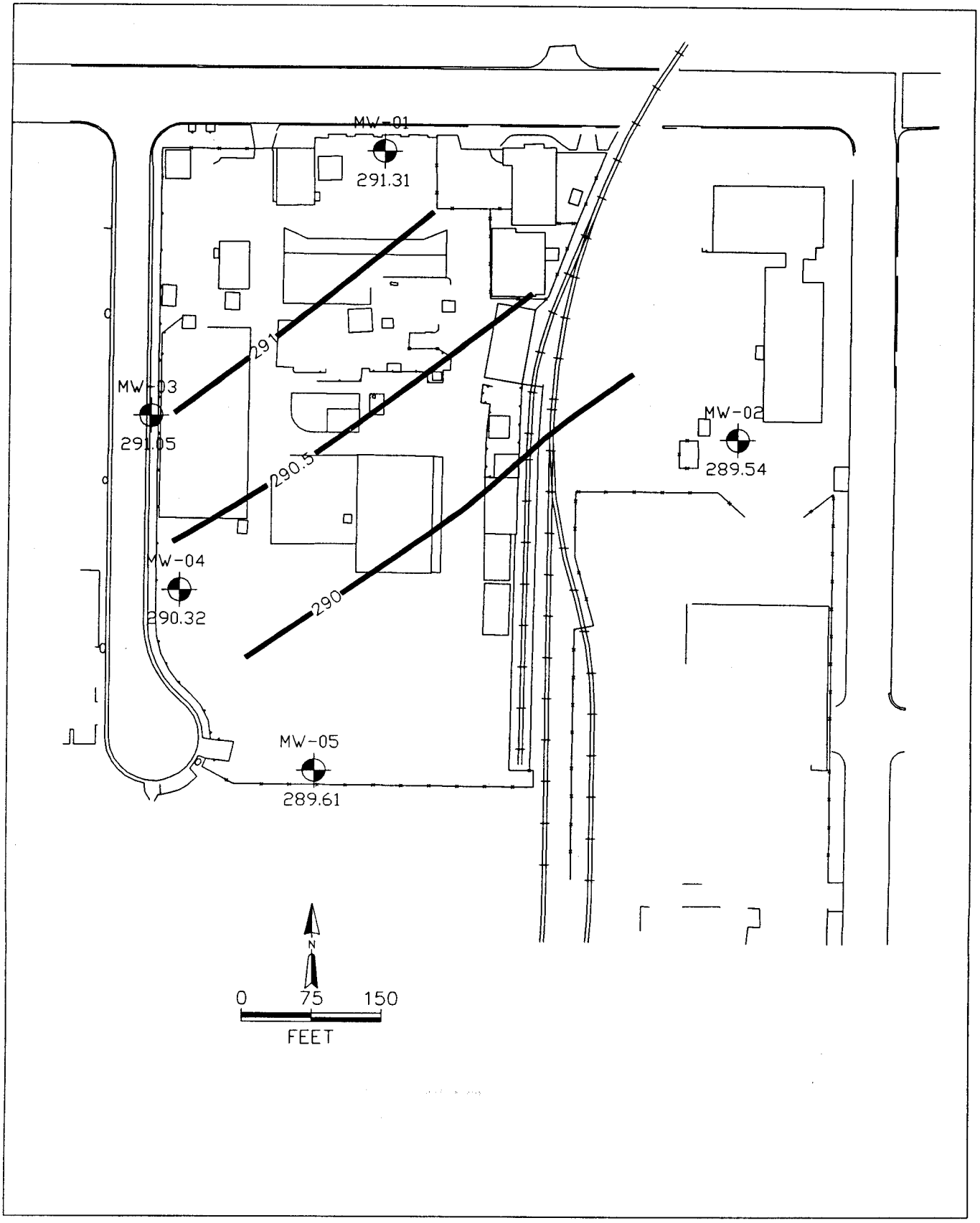
1) Change in Water Elevation since last measurement

2) Mean Sea Level



Note: Groundwater elevation at MW-03 not used to calculate contours.

CHEMICAL WASTE MANAGEMENT, INC. OSCO FACILITY Azusa, California	TITLE: GROUNDWATER ELEVATION CONTOURS May 21, 1993	DWN: MIY CHKD: DATE: 6/18/93	DES.: APPD: MIY REV.:	PROJECT NO.: 68868803 FIGURE NO.: 1



CHEMICAL WASTE MANAGEMENT, INC. OSCO FACILITY Azusa, California	TITLE: GROUNDWATER ELEVATION CONTOURS May 27, 1993	DWN: MIY CHKD: DATE: 6/18/93	DES.: APPD: MIY REV.:	PROJECT NO.: 68868803 FIGURE NO.: 2

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Chemical Waste Management, Inc.

4227 Technology Drive
Fremont, California 94538-6337
510/651-2964 Fax: 510/656-4926

28

June 25, 1993

Mr. Jeffrey Zelikson
Director
U.S. Environmental Protection Agency
Region IX
75 Hawthorne Street
San Francisco, CA 94105

Two Copies
Via Certified Mail

Mr. Dennis Dickerson
Regional Administrator
California Environmental Protection Agency
Region III
Department of Toxic Substances Control
1011 North Grandview Avenue
Glendale, California 91201

Two Copies
Via Certified Mail

Subject: Oil & Solvent Process Company, Azusa, California - CAD008302903
May 1993 Groundwater Monitoring Analytical Results

Gentlemen:

In accordance with our meeting of Monday, December 23, 1991, with Messrs. Wayne Praskins and Thomas Kelly of U.S. EPA, and our follow-up letter dated January 14, 1992, Chemical Waste Management, Inc. (CWM), herein forwards *partial* analytical results for groundwater samples collected at the subject facility on May 27 and 28, 1993.

Analytes are listed alphabetically in the results. The WMX Technologies - Environmental Monitoring Laboratories' (EML) methods correspond to the U.S. EPA methods, as follows:

EML Method	EPA Method
VOMSBAO322	624
VOGCHAN201	601
VOGCHAN101	602

During the May 1993 Groundwater Sampling Event, samples collected included the five onsite monitoring wells, a duplicate monitoring well, and a field blank. Unfortunately, the EML quality control sample used for matrix spike analysis for the batch containing MW-02, MW-04, and the Field Blank failed the recovery criteria for carbon tetrachloride. A spiked blank also failed the recovery criteria. EML deemed the analytical system to be out of control. Therefore, the results for samples collected at MW-02 and MW-04, and the Field Duplicate are not attached.

For the Trip Blank, one of three surrogates that were spiked into the sample did not meet the recovery criteria. A second Trip Blank vial associated with the event met the criteria, but the analysis took place after the sample holding time expired. The laboratory chose to report the results of the first analysis. No reportable detections were found in either vial.

CWM will schedule a re-sampling for MW-02, MW-04, and the Field Blank during the week of June 28 - July 5.

All results contained in the attached report are considered preliminary. Judgements regarding the subsurface environmental conditions should not be derived from the results. Preliminary results from the resampling will be submitted within seven days of receipt. CWM will submit final results of all samples within 60 days of the receipt of the resample results.

Printed on recycled paper.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Please call me at (510) 651-2964 if have any questions.

Sincerely,

CHEMICAL WASTE MANAGEMENT, INC.

Mare Yalom, R.G.
Hydrogeologist
Treatment and Land Disposal Operations Group

/miy

Attachment (1)

05-470.30

WMI Environmental Monitoring Laboratories, Inc.

Analytical Report Transmittal Memorandum

JUN 1993
RECEIVED
Western Region
Environmental
Mgt. Dept.
C.W.M.I.

Date: June 21, 1993

To: Client(s) - see below

From: Dave Lundquist

Subject: O.S.C.O. 93-11745

Please find enclosed the current Client Report, Field Information Forms, and Field Chain-of-Custody Records for the recently completed event at O.S.C.O..

The data has been thoroughly reviewed and compared to historical data. We have tried to provide a report that is complete and of known and documented quality. Please take a moment to review the enclosed report to insure it meets your expectations.

If you have any questions, don't hesitate to call Donna Bierschenk at (708)208-3100.

Report Distribution:

Name	Report Type
Marc Yalom*	ALL +Diskette

* *Program Manager*

WMI Environmental Monitoring Laboratories, Inc.
2100 Cleanwater Drive
Geneva, Illinois 60134
708/208-3100

A Waste Management Company

Enclosed are the analytical results for samples received from your facility. The results in the Client Report are for a single ENS (Event Notification System) number only. The sampling event at your facility may include multiple ENS numbers. A separate Client Report will be generated for each one.

It is the goal of WMI Environmental Monitoring Laboratories, Inc. to provide analytical data in a timely fashion, formatted in a way that our clients will find most useful.

If you have any questions concerning the form or content of this report, please contact the WMI EML Customer Operations Department:

Main Number (708) 208-3100
FAX Number (708) 208-1175

Note: Two designations may appear in the results column of your Client Report: NA or ND.

The designation NA (for "Not Analyzed") is used to identify analytes which were requested in the monitoring program, but for which no suitable testing methodology exists. NA may also indicate a dry well, broken sample bottle, insufficient sample volume, or other condition which precludes analysis for a sample.

The designation ND (for "Not Detected") is used to indicate that the analyte of interest was not found at or above the concentration listed under the EMLRL (EML Reporting Limit) heading.

Unless otherwise indicated, all analytes meet the requirements of holding time as specified in the method.

Deborah C. Hockman, Ph.D.

Deborah C. Hockman, Ph.D.
President
WMI Environmental Monitoring Laboratories, Inc.

Printed on recycled paper

DATA QUALIFIER COMMENT CODE DEFINITIONS

AR: Acid surrogate recoveries did not meet the acceptance criteria of the method. Oxidative degradation due to sample matrix is suggested.

BB: Broken bottle.

BL: The method blank concentration associated with this analyte did not meet the acceptance criteria of the method.

CX: The concentration of this compound exceeded the calibration used for this analysis. The concentration reported is estimated.

CU: Co-elution with another compound interferes with the quantitation of this compound. The concentration reported is estimated.

DL: The sample was diluted during analysis. Reporting limits have been adjusted where necessary.

DP: This sample was analyzed in duplicate. The relative percent difference between the two results did not meet the acceptance criteria of the method.

DW: Dry well.

HS: Headspace in sample exceeded laboratory control limit. The reported results of the analysis may be less than the actual value.

IS: The internal standard recoveries associated with this analysis did not meet the acceptance criteria of the method.

IV: The bottle did not contain enough sample to perform the analysis.

MP: 3-methylphenol and 4-methylphenol co-elute under the analytical conditions of the method, and can not be differentiated solely on the basis of their mass spectra. The concentrations reported may be either or both isomers.

MX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was in control. The result reported may therfore be affected by matrix interferences.

NN: N-nitrosodiphenylamine can not be distinguished from diphenylamine using gas chromatography. The concentrations reported may be either or both compounds.

NQ: No standard qualifier code is in use for this qualification. See the associated comment.

NS: There was not enough sample to repeat this analysis.

PL: This result may be a product of contamination from phthalate plasticizers, which are a common lab contaminant.

PX: This sample required preservation in the field to a pH of less than 2. The pH was checked before analysis and did not have a pH of less than 2.

PY: This sample required preservation in the field to a pH of 4 to 5. The pH was checked before analysis and did not have a pH of 4 to 5.

PZ: This sample required preservation in the field to a pH of 12 or greater. The pH was checked before analysis and did not have a pH of 12 or greater.

QX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was out-of-control. The analytical result for this parameter in the unspiked sample is suspect and may not be reported for regulatory compliance purposes.

SB: The analysis of this sample was performed by an approved subcontract laboratory.

ST: This compound is not stable in acidic water.

SU: The analysis of the surrogate with this sample did not meet the acceptance criteria of the method.

TX: The analysis for this parameter was conducted after the holding time specified in the method.

UN: This compound is not stable under the conditions of the analysis.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AH1573

ENS: 93-11745
MP: 562931
REV: 03

Sampled: 28-MAY-1993
Received: 29-MAY-1993
Reported: 21-JUN-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	229.93		FT		FDWDTWTC01
GROUNDWATER ELEV.	289.61		FT MSL		FDWGWELWDT
PH FIELD	7.08		PH UNITS		FDPHSING01
SPECIFIC CONDUCTANCE FIELD	638		UMHOS/CM		FDSPCOND01
WATER TEMPERATURE IN DEGREES CELSIUS	21.6		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	313.00		FT		FDWGWELWDT
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	10.	UG/L		VOMSBAO322
1,1,1-TRICHLOROETHANE	12.	1.20	UG/L		VOGCHAN201
1,1,1-TRICHLOROETHANE	12.	10.	UG/L		VOMSBAO322
1,1,2,2-TETRACHLOROETHANE	ND	2.	UG/L		VOGCHAN201
1,1,2,2-TETRACHLOROETHANE	ND	20.	UG/L		VOMSBAO322
1,1,2-TRICHLOROETHANE	ND	1.	UG/L		VOGCHAN201
1,1,2-TRICHLOROETHANE	ND	20.	UG/L		VOMSBAO322
1,1-DICHLOROETHANE	ND	1.20	UG/L		VOGCHAN201
1,1-DICHLOROETHANE	ND	10.	UG/L		VOMSBAO322
1,1-DICHLOROETHENE	9.	1.20	UG/L		VOGCHAN201
1,1-DICHLOROETHENE	ND	10.	UG/L		VOMSBAO322
1,2-DICHLOROBENZENE	ND	1.20	UG/L		VOGCHAN201
1,2-DICHLOROBENZENE	ND	1.00	UG/L		VOGCPAN101
1,2-DICHLOROBENZENE	ND	10.	UG/L		VOMSBAO322
1,2-DICHLOROETHANE	ND	1.	UG/L		VOGCHAN201
1,2-DICHLOROETHANE	ND	10.	UG/L		VOMSBAO322
1,2-DICHLOROPROPANE	ND	3.	UG/L		VOGCHAN201
1,2-DICHLOROPROPANE	ND	10.	UG/L		VOMSBAO322
1,3-DICHLOROBENZENE	ND	3.00	UG/L		VOGCHAN201
1,3-DICHLOROBENZENE	ND	1.	UG/L		VOGCPAN101
1,3-DICHLOROBENZENE	ND	10.	UG/L		VOMSBAO322
1,4-DICHLOROBENZENE	ND	2.40	UG/L		VOGCHAN201
1,4-DICHLOROBENZENE	ND	1.	UG/L		VOGCPAN101
1,4-DICHLOROBENZENE	ND	10.	UG/L		VOMSBAO322
2-BUTANONE	ND	50.	UG/L		VOMSBAO322
2-CHLOROETHYLVINYL ETHER	ND	12.	UG/L	ST	VOGCHAN201
2-CHLOROETHYLVINYL ETHER	ND	40.	UG/L	ST	VOMSBAO322
4-METHYL-2-PENTANONE	ND	50.	UG/L		VOMSBAO322
ACETONE	ND	120	UG/L		VOMSBAO322
BENZENE	ND	0.500	UG/L		VOGCPAN101
BENZENE	ND	5.	UG/L		VOMSBAO322
BROMODICHLOROMETHANE	ND	1.	UG/L		VOGCHAN201
BROMODICHLOROMETHANE	ND	10.	UG/L		VOMSBAO322
BROMOFORM	ND	2.	UG/L		VOGCHAN201
BROMOFORM	ND	10.	UG/L		VOMSBAO322
BROMOMETHANE	ND	5.	UG/L		VOGCHAN201
BROMOMETHANE	ND	10.	UG/L		VOMSBAO322
CARBON TETRACHLORIDE	ND	1.20	UG/L		VOGCHAN201
CARBON TETRACHLORIDE	ND	5.	UG/L		VOMSBAO322
CHLOROBENZENE	ND	1.20	UG/L		VOGCHAN201
CHLOROBENZENE	ND	0.500	UG/L		VOGCPAN101
CHLOROBENZENE	ND	10.	UG/L		VOMSBAO322
CHLOROETHANE	ND	2.	UG/L		VOGCHAN201
CHLOROETHANE	ND	20.	UG/L		VOMSBAO322
CHLOROFORM	ND	1.20	UG/L		VOGCHAN201
CHLOROFORM	ND	10.	UG/L		VOMSBAO322
CHLOROMETHANE	ND	1.	UG/L		VOGCHAN201
CHLOROMETHANE	ND	20.	UG/L		VOMSBAO322
CIS-1,3-DICHLOROPROPENE	ND	2.	UG/L		VOGCHAN201
CIS-1,3-DICHLOROPROPENE	ND	10.	UG/L		VOMSBAO322
DIBROMOCHLOROMETHANE	ND	2.40	UG/L		VOGCHAN201

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
VOGCHAN201	Dilution factor 3 applied.
VOMSBAO322	Dilution factor 5 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AH1573

ENS: 93-11745
MP: 562931
REV: 03

Sampled: 28-MAY-1993
Received: 29-MAY-1993
Reported: 21-JUN-1993

Analyte	Result	P Q L	Units	Comments	Method
DIBROMOCHLOROMETHANE	ND	20.	UG/L		VOMSBA0322
DICHLORODIFLUOROMETHANE	ND	5.	UG/L		VOGCHAN201
ETHYLBENZENE	ND	0.500	UG/L		VOGCPAN101
ETHYLBENZENE	ND	10.	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	2.	UG/L		VOGCHAN201
METHYLENE CHLORIDE	ND	25.	UG/L		VOMSBA0322
O-XYLENE	ND	10.	UG/L		VOMSBA0322
TETRACHLOROETHENE	110.	1.20	UG/L		VOGCHAN201
TETRACHLOROETHENE	170.	10.	UG/L		VOMSBA0322
TOLUENE	ND	0.500	UG/L		VOGCPAN101
TOLUENE	ND	10.	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	0.600	UG/L		VOGCHAN201
TRANS-1,2-DICHLOROETHENE	ND	10.	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	1.	UG/L		VOGCHAN201
TRANS-1,3-DICHLOROPROPENE	ND	10.	UG/L		VOMSBA0322
TRICHLOROETHENE	27.	1.50	UG/L		VOGCHAN201
TRICHLOROETHENE	38.	10.	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	2.	UG/L		VOGCHAN201
TRICHLOROFLUOROMETHANE	ND	10.	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	2.40	UG/L		VOGCHAN201
VINYL CHLORIDE	ND	20.	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AH1567

ENS: 93-11745
MP: 562931
REV: 03

Sampled: 27-MAY-1993
Received: 29-MAY-1993
Reported: 21-JUN-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	237.89		FT		FDWDTWTC01
GROUNDWATER ELEV.	291.31		FT MSL		FDWGWELWDT
PH FIELD	7.08		PH UNITS		FDPHSING01
SPECIFIC CONDUCTANCE FIELD	629		UMHOS/CM		FDSPCOND01
WATER TEMPERATURE IN DEGREES CELSIUS	21.3		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	328.00		FT		FDWGWELWDT
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	10.	UG/L		VOMSBAO322
1,1,1-TRICHLOROETHANE	3.	0.572	UG/L		VOGCHAN201
1,1,1-TRICHLOROETHANE	ND	5.	UG/L		VOMSBAO322
1,1,2,2-TETRACHLOROETHANE	ND	2.	UG/L		VOGCHAN201
1,1,2,2-TETRACHLOROETHANE	ND	5.	UG/L		VOMSBAO322
1,1,2-TRICHLOROETHANE	ND	1.	UG/L		VOGCHAN201
1,1,2-TRICHLOROETHANE	ND	5.	UG/L		VOMSBAO322
1,1-DICHLOROETHANE	ND	0.572	UG/L		VOGCHAN201
1,1-DICHLOROETHANE	ND	5.	UG/L		VOMSBAO322
1,1-DICHLOROETHENE	6.	0.572	UG/L		VOGCHAN201
1,1-DICHLOROETHENE	ND	5.	UG/L		VOMSBAO322
1,2-DICHLOROBENZENE	ND	1.00	UG/L		VOGCHAN201
1,2-DICHLOROBENZENE	ND	1.00	UG/L		VOGCPAN101
1,2-DICHLOROBENZENE	ND	10.	UG/L		VOMSBAO322
1,2-DICHLOROETHANE	ND	1.	UG/L		VOGCHAN201
1,2-DICHLOROETHANE	ND	5.	UG/L		VOMSBAO322
1,2-DICHLOROPROPANE	ND	1.	UG/L		VOGCHAN201
1,2-DICHLOROPROPANE	ND	5.	UG/L		VOMSBAO322
1,3-DICHLOROBENZENE	ND	1.43	UG/L		VOGCHAN201
1,3-DICHLOROBENZENE	ND	1.	UG/L		VOGCPAN101
1,3-DICHLOROBENZENE	ND	10.	UG/L		VOMSBAO322
1,4-DICHLOROBENZENE	ND	1.14	UG/L		VOGCHAN201
1,4-DICHLOROBENZENE	ND	1.	UG/L		VOGCPAN101
1,4-DICHLOROBENZENE	ND	10.	UG/L		VOMSBAO322
2-BUTANONE	ND	10.	UG/L		VOMSBAO322
2-CHLOROETHYLVINYL ETHER	ND	9.	UG/L	ST	VOGCHAN201
2-CHLOROETHYLVINYL ETHER	ND	20.	UG/L	ST	VOMSBAO322
4-METHYL-2-PENTANONE	ND	10.	UG/L		VOMSBAO322
ACETONE	ND	34.	UG/L		VOMSBAO322
BENZENE	ND	0.500	UG/L		VOGCPAN101
BENZENE	ND	5.	UG/L		VOMSBAO322
BROMODICHLOROMETHANE	ND	1.	UG/L		VOGCHAN201
BROMODICHLOROMETHANE	ND	5.	UG/L		VOMSBAO322
BROMOFORM	ND	2.	UG/L		VOGCHAN201
BROMOFORM	ND	5.	UG/L		VOMSBAO322
BROMOMETHANE	ND	5.	UG/L		VOGCHAN201
BROMOMETHANE	ND	10.	UG/L		VOMSBAO322
CARBON TETRACHLORIDE	ND	0.572	UG/L		VOGCHAN201
CARBON TETRACHLORIDE	ND	5.	UG/L		VOMSBAO322
CHLOROBENZENE	ND	0.572	UG/L		VOGCHAN201
CHLOROBENZENE	ND	0.500	UG/L		VOGCPAN101
CHLOROBENZENE	ND	5.	UG/L		VOMSBAO322
CHLOROETHANE	ND	1.	UG/L		VOGCHAN201
CHLOROETHANE	ND	10.	UG/L		VOMSBAO322
CHLOROFORM	ND	0.572	UG/L		VOGCHAN201
CHLOROFORM	ND	5.	UG/L		VOMSBAO322
CHLOROMETHANE	ND	1.	UG/L		VOGCHAN201
CHLOROMETHANE	ND	10.	UG/L		VOMSBAO322
CIS-1,3-DICHLOROPROPENE	ND	1.	UG/L		VOGCHAN201
CIS-1,3-DICHLOROPROPENE	ND	5.	UG/L		VOMSBAO322
DIBROMOCHLOROMETHANE	ND	1.14	UG/L		VOGCHAN201
DIBROMOCHLOROMETHANE	ND	5.	UG/L		VOMSBAO322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
VOGCHAN201	Dilution factor 1.43 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AH1567

ENS: 93-11745
MP: 562931
REV: 03

Sampled: 27-MAY-1993
Received: 29-MAY-1993
Reported: 21-JUN-1993

Analyte	Result	P Q L	Units	Comments	Method
DICHLORODIFLUOROMETHANE	ND	5.	UG/L		VOGCHAN201
ETHYLBENZENE	ND	0.500	UG/L		VOGCPAN101
ETHYLBENZENE	ND	5.	UG/L		VOMSBAO322
METHYLENE CHLORIDE	ND	2.	UG/L		VOGCHAN201
METHYLENE CHLORIDE	ND	5.	UG/L		VOMSBAO322
O-XYLENE	ND	10.	UG/L		VOMSBAO322
TETRACHLOROETHENE	39.	0.572	UG/L		VOGCHAN201
TETRACHLOROETHENE	ND	5.	UG/L		VOMSBAO322
TOLUENE	ND	0.500	UG/L		VOGCPAN101
TOLUENE	ND	5.	UG/L		VOMSBAO322
TRANS-1,2-DICHLOROETHENE	ND	0.500	UG/L		VOGCHAN201
TRANS-1,2-DICHLOROETHENE	ND	10.	UG/L		VOMSBAO322
TRANS-1,3-DICHLOROPROPENE	ND	1.	UG/L		VOGCHAN201
TRANS-1,3-DICHLOROPROPENE	ND	5.	UG/L		VOMSBAO322
TRICHLOROETHENE	28.	0.715	UG/L		VOGCHAN201
TRICHLOROETHENE	ND	5.	UG/L		VOMSBAO322
TRICHLOROFLUOROMETHANE	ND	2.	UG/L		VOGCHAN201
TRICHLOROFLUOROMETHANE	ND	10.	UG/L		VOMSBAO322
VINYL CHLORIDE	ND	1.14	UG/L		VOGCHAN201
VINYL CHLORIDE	ND	10.	UG/L		VOMSBAO322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AH1570

ENS: 93-11745
MP: 562931
REV: 03

Sampled: 28-MAY-1993
Received: 29-MAY-1993
Reported: 21-JUN-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	227.89		FT		FDWDTWTC01
GROUNDWATER ELEV.	291.05		FT MSL		FDWGWELWDT
PH FIELD	6.96		PH UNITS		FDPHSING01
SPECIFIC CONDUCTANCE FIELD	672		UMHOS/CM		FDSPCOND01
WATER TEMPERATURE IN DEGREES CELSIUS	21.1		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	319.50		FT		FDWGWELWDT
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	10.	UG/L		VOMSBAO322
1,1,1-TRICHLOROETHANE	2.	0.600	UG/L		VOGCHAN201
1,1,1-TRICHLOROETHANE	ND	5.	UG/L		VOMSBAO322
1,1,2,2-TETRACHLOROETHANE	ND	2.	UG/L		VOGCHAN201
1,1,2,2-TETRACHLOROETHANE	ND	6.	UG/L		VOMSBAO322
1,1,2-TRICHLOROETHANE	ND	1.	UG/L		VOGCHAN201
1,1,2-TRICHLOROETHANE	ND	6.	UG/L		VOMSBAO322
1,1-DICHLOROETHANE	ND	0.600	UG/L		VOGCHAN201
1,1-DICHLOROETHANE	ND	5.	UG/L		VOMSBAO322
1,1-DICHLOROETHENE	4.	0.600	UG/L		VOGCHAN201
1,1-DICHLOROETHENE	ND	5.	UG/L		VOMSBAO322
1,2-DICHLOROBENZENE	ND	1.00	UG/L		VOGCHAN201
1,2-DICHLOROBENZENE	ND	1.00	UG/L		VOGCPAN101
1,2-DICHLOROBENZENE	ND	10.	UG/L		VOMSBAO322
1,2-DICHLOROETHANE	ND	1.	UG/L		VOGCHAN201
1,2-DICHLOROETHANE	ND	5.	UG/L		VOMSBAO322
1,2-DICHLOROPROPANE	ND	2.	UG/L		VOGCHAN201
1,2-DICHLOROPROPANE	ND	5.	UG/L		VOMSBAO322
1,3-DICHLOROBENZENE	ND	1.50	UG/L		VOGCHAN201
1,3-DICHLOROBENZENE	ND	1.	UG/L		VOGCPAN101
1,3-DICHLOROBENZENE	ND	10.	UG/L		VOMSBAO322
1,4-DICHLOROBENZENE	ND	1.20	UG/L		VOGCHAN201
1,4-DICHLOROBENZENE	ND	1.	UG/L		VOGCPAN101
1,4-DICHLOROBENZENE	ND	10.	UG/L		VOMSBAO322
2-BUTANONE	ND	14.	UG/L		VOMSBAO322
2-CHLOROETHYLVINYL ETHER	ND	9.	UG/L	ST	VOGCHAN201
2-CHLOROETHYLVINYL ETHER	ND	20.	UG/L	ST	VOMSBAO322
4-METHYL-2-PENTANONE	ND	14.	UG/L		VOMSBAO322
ACETONE	ND	34.	UG/L		VOMSBAO322
BENZENE	ND	0.500	UG/L		VOGCPAN101
BENZENE	ND	5.	UG/L		VOMSBAO322
BROMODICHLOROMETHANE	ND	1.	UG/L		VOGCHAN201
BROMODICHLOROMETHANE	ND	5.	UG/L		VOMSBAO322
BROMOFORM	ND	2.	UG/L		VOGCHAN201
BROMOFORM	ND	5.	UG/L		VOMSBAO322
BROMOMETHANE	ND	5.	UG/L		VOGCHAN201
BROMOMETHANE	ND	10.	UG/L		VOMSBAO322
CARBON TETRACHLORIDE	ND	0.600	UG/L		VOGCHAN201
CARBON TETRACHLORIDE	ND	5.	UG/L		VOMSBAO322
CHLOROBENZENE	ND	0.600	UG/L		VOGCHAN201
CHLOROBENZENE	ND	0.500	UG/L		VOGCPAN101
CHLOROBENZENE	ND	5.	UG/L		VOMSBAO322
CHLOROETHANE	ND	1.	UG/L		VOGCHAN201
CHLOROETHANE	ND	10.	UG/L		VOMSBAO322
CHLOROFORM	ND	0.600	UG/L		VOGCHAN201
CHLOROFORM	ND	5.	UG/L		VOMSBAO322
CHLOROMETHANE	ND	1.	UG/L		VOGCHAN201
CHLOROMETHANE	ND	10.	UG/L		VOMSBAO322
CIS-1,3-DICHLOROPROPENE	ND	1.	UG/L		VOGCHAN201
CIS-1,3-DICHLOROPROPENE	ND	5.	UG/L		VOMSBAO322
DIBROMOCHLOROMETHANE	ND	1.20	UG/L		VOGCHAN201

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
VOGCHAN201	Dilution factor 1.5 applied.
VOMSBAO322	Dilution factor 1.43 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AH1570

ENS: 93-11745
MP: 562931
REV: 03

Sampled: 28-MAY-1993
Received: 29-MAY-1993
Reported: 21-JUN-1993

Analyte	Result	P Q L	Units	Comments	Method
DIBROMOCHLOROMETHANE	ND	6.	UG/L		VOMSBA0322
DICHLORODIFLUOROMETHANE	ND	5.	UG/L		VOGCHAN201
ETHYLBENZENE	ND	0.500	UG/L		VOGCPAN101
ETHYLBENZENE	ND	5.	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	2.	UG/L		VOGCHAN201
METHYLENE CHLORIDE	ND	7.	UG/L		VOMSBA0322
O-XYLENE	ND	10.	UG/L		VOMSBA0322
TETRACHLOROETHENE	35.	0.600	UG/L		VOGCHAN201
TETRACHLOROETHENE	47.	5.	UG/L		VOMSBA0322
TOLUENE	ND	0.500	UG/L		VOGCPAN101
TOLUENE	ND	5.	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	0.500	UG/L		VOGCHAN201
TRANS-1,2-DICHLOROETHENE	ND	10.	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	1.	UG/L		VOGCHAN201
TRANS-1,3-DICHLOROPROPENE	ND	5.	UG/L		VOMSBA0322
TRICHLOROETHENE	35.	0.750	UG/L		VOGCHAN201
TRICHLOROETHENE	48.	5.	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	2.	UG/L		VOGCHAN201
TRICHLOROFLUOROMETHANE	ND	10.	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	1.20	UG/L		VOGCHAN201
VINYL CHLORIDE	ND	10.	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AH1572

ENS: 93-11745
MP: 562931
REV: 03

Sampled: 28-MAY-1993
Received: 29-MAY-1993
Reported: 21-JUN-1993

Analyte	Result	P Q L	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	229.93		FT		FDWDTWTC01
GROUNDWATER ELEV.	289.61		FT MSL		FDWGWELWDT
PH FIELD	7.08		PH UNITS		FDPHSING01
SPECIFIC CONDUCTANCE FIELD	638		UMHOS/CM		FDSPCOND01
WATER TEMPERATURE IN DEGREES CELSIUS	21.6		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	313.00		FT		FDWGWELWDT
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	10.	UG/L		VOMSBAO322
1,1,1-TRICHLOROETHANE	15.	1.20	UG/L		VOGCHAN201
1,1,1-TRICHLOROETHANE	12.	10.	UG/L		VOMSBAO322
1,1,2,2-TETRACHLOROETHANE	ND	2.	UG/L		VOGCHAN201
1,1,2,2-TETRACHLOROETHANE	ND	20.	UG/L		VOMSBAO322
1,1,2-TRICHLOROETHANE	ND	1.	UG/L		VOGCHAN201
1,1,2-TRICHLOROETHANE	ND	20.	UG/L		VOMSBAO322
1,1-DICHLOROETHANE	ND	1.20	UG/L		VOGCHAN201
1,1-DICHLOROETHANE	ND	10.	UG/L		VOMSBAO322
1,1-DICHLOROETHENE	12.	1.20	UG/L		VOGCHAN201
1,1-DICHLOROETHENE	ND	10.	UG/L		VOMSBAO322
1,2-DICHLOROBENZENE	ND	1.20	UG/L		VOGCHAN201
1,2-DICHLOROBENZENE	ND	1.00	UG/L		VOGCPAN101
1,2-DICHLOROBENZENE	ND	10.	UG/L		VOMSBAO322
1,2-DICHLOROETHANE	ND	1.	UG/L		VOGCHAN201
1,2-DICHLOROETHANE	ND	10.	UG/L		VOMSBAO322
1,2-DICHLOROPROPANE	ND	3.	UG/L		VOGCHAN201
1,2-DICHLOROPROPANE	ND	10.	UG/L		VOMSBAO322
1,3-DICHLOROBENZENE	ND	3.00	UG/L		VOGCHAN201
1,3-DICHLOROBENZENE	ND	1.	UG/L		VOGCPAN101
1,3-DICHLOROBENZENE	ND	10.	UG/L		VOMSBAO322
1,4-DICHLOROBENZENE	ND	2.40	UG/L		VOGCHAN201
1,4-DICHLOROBENZENE	ND	1.	UG/L		VOGCPAN101
1,4-DICHLOROBENZENE	ND	10.	UG/L		VOMSBAO322
2-BUTANONE	ND	50.	UG/L		VOMSBAO322
2-CHLOROETHYLVINYL ETHER	ND	12.	UG/L	ST	VOGCHAN201
2-CHLOROETHYLVINYL ETHER	ND	40.	UG/L	ST	VOMSBAO322
4-METHYL-2-PENTANONE	ND	50.	UG/L		VOMSBAO322
ACETONE	ND	120	UG/L		VOMSBAO322
BENZENE	ND	0.500	UG/L		VOGCPAN101
BENZENE	ND	5.	UG/L		VOMSBAO322
BROMODICHLOROMETHANE	ND	1.	UG/L		VOGCHAN201
BROMODICHLOROMETHANE	ND	10.	UG/L		VOMSBAO322
BROMOFORM	ND	2.	UG/L		VOGCHAN201
BROMOFORM	ND	10.	UG/L		VOMSBAO322
BROMOMETHANE	ND	5.	UG/L		VOGCHAN201
BROMOMETHANE	ND	10.	UG/L		VOMSBAO322
CARBON TETRACHLORIDE	ND	1.20	UG/L		VOGCHAN201
CARBON TETRACHLORIDE	ND	5.	UG/L		VOMSBAO322
CHLOROBENZENE	ND	1.20	UG/L		VOGCHAN201
CHLOROBENZENE	ND	0.500	UG/L		VOGCPAN101
CHLOROBENZENE	ND	10.	UG/L		VOMSBAO322
CHLOROETHANE	ND	2.	UG/L		VOGCHAN201
CHLOROETHANE	ND	20.	UG/L		VOMSBAO322
CHLOROFORM	2.	1.20	UG/L		VOGCHAN201
CHLOROFORM	ND	10.	UG/L		VOMSBAO322
CHLOROMETHANE	ND	1.	UG/L		VOGCHAN201
CHLOROMETHANE	ND	20.	UG/L		VOMSBAO322
CIS-1,3-DICHLOROPROPENE	ND	2.	UG/L		VOGCHAN201
CIS-1,3-DICHLOROPROPENE	ND	10.	UG/L		VOMSBAO322
DIBROMOCHLOROMETHANE	ND	2.40	UG/L		VOGCHAN201

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
VOGCHAN201	Dilution factor 3 applied.
VOMSBAO322	Dilution factor 5 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AH1572

ENS: 93-11745
MP: 562931
REV: 03

Sampled: 28-MAY-1993
Received: 29-MAY-1993
Reported: 21-JUN-1993

Analyte	Result	P Q L	Units	Comments	Method
DIBROMOCHLOROMETHANE	ND	20.	UG/L		VOMSBA0322
DICHLORODIFLUOROMETHANE	ND	5.	UG/L		VOGCHAN201
ETHYLBENZENE	ND	0.500	UG/L		VOGCPAN101
ETHYLBENZENE	ND	10.	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	2.	UG/L		VOGCHAN201
METHYLENE CHLORIDE	ND	25.	UG/L		VOMSBA0322
O-XYLENE	ND	10.	UG/L		VOMSBA0322
TETRACHLOROETHENE	130.	1.20	UG/L		VOGCHAN201
TETRACHLOROETHENE	190.	10.	UG/L		VOMSBA0322
TOLUENE	ND	0.500	UG/L		VOGCPAN101
TOLUENE	ND	10.	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	0.600	UG/L		VOGCHAN201
TRANS-1,2-DICHLOROETHENE	ND	10.	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	1.	UG/L		VOGCHAN201
TRANS-1,3-DICHLOROPROPENE	ND	10.	UG/L		VOMSBA0322
TRICHLOROETHENE	34.	1.50	UG/L		VOGCHAN201
TRICHLOROETHENE	39.	10.	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	2.	UG/L		VOGCHAN201
TRICHLOROFLUOROMETHANE	ND	10.	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	2.40	UG/L		VOGCHAN201
VINYL CHLORIDE	ND	20.	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: TBK-MW01
Sample Type: WELL
Sample Number: AH1567

ENS: 93-11745
MP: 562931
REV: 03

Sampled: 27-MAY-1993
Received: 29-MAY-1993
Reported: 21-JUN-1993

Analyte	Result	P Q L	Units	Comments	Method
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	10.	UG/L	SU	VOMSBA0322
1,1,1-TRICHLOROETHANE	ND	5.	UG/L	SU	VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	5.	UG/L	SU	VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	5.	UG/L	SU	VOMSBA0322
1,1-DICHLOROETHANE	ND	5.	UG/L	SU	VOMSBA0322
1,1-DICHLOROETHENE	ND	5.	UG/L	SU	VOMSBA0322
1,2-DICHLOROBENZENE	ND	10.	UG/L	SU	VOMSBA0322
1,2-DICHLOROETHANE	ND	5.	UG/L	SU	VOMSBA0322
1,2-DICHLOROPROPANE	ND	5.	UG/L	SU	VOMSBA0322
1,3-DICHLOROBENZENE	ND	10.	UG/L	SU	VOMSBA0322
1,4-DICHLOROBENZENE	ND	10.	UG/L	SU	VOMSBA0322
2-BUTANONE	ND	10.	UG/L	SU	VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	20.	UG/L	ST,SU	VOMSBA0322
4-METHYL-2-PENTANONE	ND	10.	UG/L	SU	VOMSBA0322
ACETONE	ND	34.	UG/L	SU	VOMSBA0322
BENZENE	ND	5.	UG/L	SU	VOMSBA0322
BROMODICHLOROMETHANE	ND	5.	UG/L	SU	VOMSBA0322
BROMOFORM	ND	5.	UG/L	SU	VOMSBA0322
BROMOMETHANE	ND	10.	UG/L	SU	VOMSBA0322
CARBON TETRACHLORIDE	ND	5.	UG/L	SU	VOMSBA0322
CHLOROBENZENE	ND	5.	UG/L	SU	VOMSBA0322
CHLOROETHANE	ND	10.	UG/L	SU	VOMSBA0322
CHLOROFORM	ND	5.	UG/L	SU	VOMSBA0322
CHLOROMETHANE	ND	10.	UG/L	SU	VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	5.	UG/L	SU	VOMSBA0322
DIBROMOCHLOROMETHANE	ND	5.	UG/L	SU	VOMSBA0322
ETHYLBENZENE	ND	5.	UG/L	SU	VOMSBA0322
METHYLENE CHLORIDE	ND	5.	UG/L	SU	VOMSBA0322
O-XYLENE	ND	10.	UG/L	SU	VOMSBA0322
TETRACHLOROETHENE	ND	5.	UG/L	SU	VOMSBA0322
TOLUENE	ND	5.	UG/L	SU	VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	10.	UG/L	SU	VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	5.	UG/L	SU	VOMSBA0322
TRICHLOROETHENE	ND	5.	UG/L	SU	VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	10.	UG/L	SU	VOMSBA0322
VINYL CHLORIDE	ND	10.	UG/L	SU	VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOMSBA0322	RESULTS WERE CONFIRMED BY RERUN WITH SUCCESSFUL SURROGATE RECOVERY BUT TX.

Subcontract To: _____

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 765
Date Sealed 93/5/20 (YY / MM / DD)
Seal # 46886
By: [illegible]

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: WDUP (Source Code)

B A R C O D E

SAMPLE DATE: - 930528 (YY / MM / DD)

SAMPLE TIME: 11:50 (2400 HR.) MATRIX CODE: W

Water ..... (W) Leachate ..... (C)
Soil ..... (S) Other ..... (X)

Source Codes:

Well ..... (W) Leachate System .. (C) Pretreatment Facility ... (P) River/Stream/Brook .. (R) Soil ..... (S) Generation Pt. .... (G)
Dewatering/Pressure Relief .... (D) Gas Condensate ... (M) Influent ..... (U) Lake or Ocean ..... (L) Bottom Sediment .. (B) Other ..... (X)
Surface Water Impoundment ... (I) Air ..... (A) Effluent ..... (T) Outfall ..... (O) Noise ..... (N) Specify _____

ENS # 93-11745 **AquaPak™ CONTENT**

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AH1573-A	04	G	HCL/COOL 4 DEG C	VO	Y N		
AH1573-B	04	G	HCL/COOL 4 DEG C	VO	Y N		
AH1573-C	04	G	NONE/COOL 4 DEG C	VO	Y N		
~~AH1573-D~~	~~01~~	~~G~~	~~HCL/COOL 4 DEG C~~	~~VO~~	~~Y N~~		~~TBK~~
~~AH1573-E~~	~~01~~	~~G~~	~~HCL/COOL 4 DEG C~~	~~VO~~	~~Y N~~		~~TBK~~ [illegible] 5-2[illegible]
~~AH1573-F~~	~~01~~	~~G~~	~~NONE/COOL 4 DEG C~~	~~VO~~	~~Y N~~		~~TBK~~
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) TERRY McPHETRIDGE Date: 5/26/93 Time: 16:30 (2400 HR.)
Signature: [signature] Seal #: 46886 Intact: YES

I have received these materials in good condition from the above person.

2. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

4. AquaPak™/Sub Contr. # _____ Sealed By: TERRY McPHETRIDGE (Print) Date: 5/28/93 Time: 17:00 (2400 HR.)
Signature: [signature] Seal #: 51792 Intact: YES

LAB USE ONLY
Opened By: (Signature) [signature] Date: 5/29/93 Time: 10:00 (2400 HR.)
AquaPak™/Sub. Contr. # 765 Temp.°C 10 Seal # 51792 Intact: Y

EML FF-1A 12/92

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AH1573

FIELD INFORMATION FORM

Sample Point: WDUP (Source Code)

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
930528	11.20	0.5	84.7	256.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL TNC GALVANIZED PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:		A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* 519.54 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	229.93 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	289.61 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* 3~~50~~13 TFM.00 (ft)	Stickup	(ft)

1st	7.08 (STD) ph	1st	638. μm/cm at 25° C spec. cond.	Sample Temp.	21.6 (° C)
2nd	(STD) ph	2nd	μm/cm at 25° C spec. cond.	WELL DIAM (other parameter)	5.0 value in units
3rd	(STD) ph	3rd	μm/cm at 25° C spec. cond.	(other parameter)	value units
4th	(STD) ph	4th	μm/cm at 25° C spec cond.	(other parameter)	value units

FIELD COMMENTS

Sample Appearance: (if applicable) Odor: NONE Color: CLEAR Turbidity: NONE

Weather Conditions: Wind Speed 4 MPH Direction NE Precipitation Y/N Outlook PARTLY CLOUDY

Specific Comments: * INFORMATION OBTAINED FROM WELL ID CHART (1993)

WELL CONDITION IS GOOD, ACCESS GOOD.

313 - 229.93 = 83.07 x 1.02 = 84.73 x 3 = 254.19 GALLONS.

GOOD RECHARGE RATE; 3 CASINGS OBTAINED AT 11:49 HOURS.

DUPLICATE SAMPLE COLLECTED AT MW05.

WELL IS LOCATED IN SOUTH PORTION OF PLANT FACILITY.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

5/28/93 (Date) [signature] (Signature) Employer: RUST E & I

Subcontract To:

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 314
Date Sealed 93/05/21 (YY / MM / DD)
Seal # 46726
By: EL

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: WMW01 (Source Code)

BARCODE

SAMPLE DATE: - 93/05/27 (YY / MM / DD)

SAMPLE TIME: 14:30 (2400 HR.) MATRIX CODE: W

Water (W) Soil (S) Leachate (C) Other (X)

Source Codes:
Well (W) Dewatering/Pressure Relief (D) Surface Water Impoundment (I) Leachate System (C) Gas Condensate (M) Air (A) Pretreatment Facility (P) Influent (U) Effluent (T) River/Stream/Brook (R) Lake or Ocean (L) Outfall (O) Soil (S) Bottom Sediment (B) Noise (N) Generation Pt. (G) Other (X) Specify

ENS # 93-11745

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y—N	FIELD COMMENTS	E.M.L. COMMENTS
AH1567-A	04	G	HCL/COOL 4	DEG C VO	Y/N		
AH1567-B	04	G	HCL/COOL 4	DEG C VO	Y/N		
AH1567-C	04	G	NONE/COOL	4 DEG C VO	Y/N		
AH1567-D	01	G	HCL/COOL 4	DEG C VO	Y/N		TBR
~~AH1567-E~~	~~01~~	~~G~~	~~HCL/COOL 4~~	~~DEG C VO~~	Y/N		~~TBR~~
~~AH1567-F~~	~~01~~	~~G~~	~~NONE/COOL~~	~~4 DEG C VO~~	Y/N		~~TBR~~
					Y/N		
					Y/N		
					Y/N		
					Y/N		TB-NO
					Y/N		Bubble
					Y/N		
					Y/N		5-29-93
					Y/N		
					Y/N		JRK
					Y/N		
					Y/N		
					Y/N		
					Y/N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) TERRY McPHETRIDGE Date: 5/26/93 Time: 17:20 (2400 HR.)
   Signature: Terry McP Seal #: 46726 Intact: YES

I have received these materials in good condition from the above person.

2. Name: Signature:
   Date: / / Time: : (2400 HR.) Remarks:

I have received these materials in good condition from the above person.

3. Name: Signature:
   Date: / / Time: : (2400 HR.) Remarks:

4. AquaPak™/Sub Contr. # Sealed By: TERRY McPHETRIDGE (Print) Date: 5/28/93 Time: 17:00 (2400 HR.)
   Signature: Terry McP Seal #: 51772 Intact: YES

LAB USE ONLY
Opened By: (Signature) Date: 5/29/93 Time: 1051 (2400 HR.)
AquaPak™/Sub. Contr. # 311 Temp°C Seal # 51772 Intact: Y

EML FF-1A 12/92

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AH1567

FIELD INFORMATION FORM

Sample Point: WMW01 (Source Code)

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
930527	13.29	0.5	91.9	276.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL TNC GALVANIZED PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:		A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* 529.20 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	237.89 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	291.31 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* 328 TRM (ft)	Stickup	(ft)

1st	7.08 (STD) ph	1st	629. μm/cm at 25° C spec. cond.	Sample Temp.	21.3 (° C)
2nd	(STD) ph	2nd	μm/cm at 25° C spec. cond.	WELL DIAM (other parameter)	5.0 value in units
3rd	(STD) ph	3rd	μm/cm at 25° C spec. cond.	(other parameter)	value units
4th	(STD) ph	4th	μm/cm at 25° C spec cond.	(other parameter)	value units

FIELD COMMENTS

Sample Appearance: (if applicable) Odor: NONE Color: NO COLOR Turbidity: NONE

Weather Conditions: Wind Speed 10 MPH Direction ENE Precipitation (N) Outlook CLEAR & SUNNY

Specific Comments: * INFORMATION OBTAINED FROM WELL ID CHART (1993).
WELL ACCESS GOOD; WELL CONDITION GOOD.
328 - 237.89 = 90.11 x 1.02 - 91.9122 x 3 = 275.74 GLS
GOOD RECHARGE RATE; 3 WELL VOLUMES OBTAINED AT 1400 HRS.
FIELD BLANK SAMPLES COLLECTED AT MW01.
WELL IS LOCATED IN NORTH SECTION OF PLANT FACILITY - 13 FROM BOUNDARY.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

5/27/93 (Date) [signature] (Signature) Employer: RUST E & I

Subcontract To:

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 314
Date Sealed 93/05/20 (YY / MM / DD)
Seal # 46726
By: EL

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: WMW03 (Source Code)

B A R C O D E

SAMPLE DATE: 93/05/28 (YY / MM / DD)

SAMPLE TIME: 10:30 (2400 HR.) MATRIX CODE: W

Water (W) Soil (S) Leachate (C) Other (X)

Source Codes:

Well (W) Dewatering/Pressure Relief (D) Surface Water Impoundment (I) Leachate System (C) Gas Condensate (M) Air (A) Pretreatment Facility (P) Influent (U) Effluent (T) River/Stream/Brook (R) Lake or Ocean (L) Outfall (O) Soil (S) Bottom Sediment (B) Noise (N) Generation Pt. (G) Other (X) Specify

ENS # 93-11745

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y—N	FIELD COMMENTS	E.M.L. COMMENTS
AH1570-A	04	G	HCL/COOL 4	DEG C VO	Y/N		
AH1570-B	04	G	HCL/COOL 4	DEG C VO	Y/N		
AH1570-C	04	G	NONE/COOL	4 DEG C VO	Y/N		
~~AH1570-D~~	~~01~~	~~G~~	~~HCL/COOL 4~~	~~DEG C VO~~	~~Y/N~~		~~TBK~~
~~AH1570-E~~	~~01~~	~~G~~	~~HCL/COOL 4~~	~~DEG C VO~~	~~Y/N~~		~~TBK~~
~~AH1570-F~~	~~01~~	~~G~~	~~NONE/COOL 4~~	~~DEG C VO~~	~~Y/N~~		~~TBK~~
					Y/N		
					Y/N		
					Y/N		
					Y/N		
					Y/N		
					Y/N		
					Y/N		
					Y/N		
					Y/N		
					Y/N		
					Y/N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) TERRY McPHERIDGE Date: 5/26/93 Time: 17:20 (2400 HR.)
   Signature: Terry McPher Seal #: 46726 Intact: YES

I have received these materials in good condition from the above person.

2. Name: Signature:
   Date: / / Time: : (2400 HR.) Remarks:

I have received these materials in good condition from the above person.

3. Name: Signature:
   Date: / / Time: : (2400 HR.) Remarks:

4. AquaPak™/Sub Contr. # Sealed By: TERRY McPHERIDGE (Print) Date: 5/28/93 Time: 17:00 (2400 HR.)
   Signature: Terry McPher Seal #: 51772 Intact: YES

LAB USE ONLY
Opened By: (Signature) Joel Kiffer Date: 5/29/93 Time: 10:51 (2400 HR.)
AquaPak™/Sub. Contr. # 211 Temp °C 9 Seal # 51772 Intact

EML FF-1A 12/92

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AH157Ø

FIELD INFORMATION FORM

Sample Point: WMWØ3 (Source Code)

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
93Ø528	Ø9.36	Ø.5	93.4	284.Ø

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL TNC GALVANIZED PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:		A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* 518.94 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	227.89 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	291.Ø5 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* 319.5Ø (ft)	Stickup	(ft)

	ph		spec. cond.		
1st	6.96 (STD)	1st	672 μm/cm at 25° C	Sample Temp.	21.1 (° C)
2nd	(STD)	2nd	μm/cm at 25° C	WELL DIAM. (other parameter)	5.Ø value in units
3rd	(STD)	3rd	μm/cm at 25° C	(other parameter)	value units
4th	(STD)	4th	μm/cm at 25° C	(other parameter)	value units

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: NONE Color: CLEAR Turbidity: NONE

Weather Conditions: Wind Speed 5 MPH Direction NE Precipitation Y(N) Outlook PARTLY CLOUDY

Specific Comments: *INFORMATION OBTAINED FROM WELL ID CHART (1993)

WELL CONDITION IS GOOD, ACCESS GOOD.

319.5Ø - 227.89 = 91.61 x 1.Ø2 = 93.44 x 3 = 28Ø.33 GALLONS.

GOOD RECHARGE RATE; 3 CASINGS OBTAINED AT 1Ø:Ø5 HOURS

WELL IS LOCATED WEST OF PLANT FACILITY ON PECKHAM ROAD.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

5/28/93 (Date) [signature] (Signature) Employer: RUST E & I

Subcontract To: _____

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 765
Date Sealed 93/5/20 (YY / MM / DD)
Seal # 46886
By: SR

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: WMW05 (Source Code)

B A R C O D E

SAMPLE DATE: - 930528 (YY / MM / DD)

SAMPLE TIME: 11:50 (2400 HR.) MATRIX CODE: W

Water ..... (W) Leachate ..... (C)
Soil ..... (S) Other ..... (X)

Source Codes:

Well ..... (W) Leachate System .. (C) Pretreatment Facility ... (P) River/Stream/Brook .. (R) Soil ..... (S) Generation Pt. .... (G)
Dewatering/Pressure Relief .... (D) Gas Condensate ... (M) Influent ..... (U) Lake or Ocean ..... (L) Bottom Sediment ... (B) Other ..... (X)
Surface Water Impoundment ... (I) Air ..... (A) Effluent ..... (T) Outfall ..... (O) Noise ..... (N) Specify _____

ENS # 93-11745 **AquaPak™ CONTENT**

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AH1572-A	04	G	HCL/COOL 4 DEG C	VO	Y N		
AH1572-B	04	G	HCL/COOL 4 DEG C	VO	Y N		
AH1572-C	04	G	NONE/COOL 4 DEG C	VO	Y N		
~~AH1572-D~~	~~01~~	~~G~~	~~HCL/COOL 4 DEG C~~	~~VO~~	Y N		~~TBK~~
~~AH1572-E~~	~~01~~	~~G~~	~~HCL/COOL 4 DEG C~~	~~VO~~	Y N		~~TBK~~
~~AH1572-F~~	~~01~~	~~G~~	~~NONE/COOL 4 DEG C~~	~~VO~~	Y N		~~TBK~~
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) TERRY McPHETRIDGE Date: 5/26/93 Time: 16:30 (2400 HR.)
Signature: Terry McPhet Seal #: 46886 Intact: YES

I have received these materials in good condition from the above person.

2. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

4. AquaPak™/Sub Contr. # _____ Sealed By: TERRY McPHETRIDGE (Print) Date: 5/28/93 Time: 17:00 (2400 HR.)
Signature: Terry McPhet Seal #: 51792 Intact: YES

LAB USE ONLY
Opened By: (Signature) [signature] Date: 5/29/93 Time: 10:55 (2400 HR.)
AquaPak™/Sub. Contr. # 765 Temp.°C 10 Seal # 51793 Intact: Y

EML FF-1A 12/92

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AH1572

FIELD INFORMATION FORM

Sample Point: WMW05 (Source Code)

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
930528	11.20	0.5	84.7	256.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	x	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL TNC GALVANIZED PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:		A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* 519.54 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	229.93 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	289.61 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* 3~~30~~13 TRM.00 (ft)	Stickup	(ft)

1st	7.08 (STD) ph	1st	638. μm/cm at 25° C spec. cond.	Sample Temp.	21.6 (° C)
2nd	(STD) ph	2nd	μm/cm at 25° C spec. cond.	WELL DIAM (other parameter)	5.0 value in units
3rd	(STD) ph	3rd	μm/cm at 25° C spec. cond.	(other parameter)	value units
4th	(STD) ph	4th	μm/cm at 25° C spec cond.	(other parameter)	value units

FIELD COMMENTS

Sample Appearance: (if applicable) Odor: NONE Color: CLEAR Turbidity: NONE

Weather Conditions: Wind Speed 4MPH Direction NE Precipitation Y/N Outlook PARTLY CLOUDY

Specific Comments: *INFORMATION OBTAINED FROM WELL ID CHART (1993).
WELL CONDITION IS GOOD, ACCESS GOOD.
313-229.93 = 83.07 x 1.02 = 84.73 x 3 = 254.19 GALLONS
GOOD RECHARGE RATE; 3 CASINGS OBTAINED AT 11:49 HOURS.
DUPLICATE SAMPLE COLLECTED AT MW05.
WELL IS LOCATED IN SOUTH PORTION OF PLANT FACILITY.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

5/28/93 (Date) [signature] (Signature) Employer: RUST E & I

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

Chemical Waste Management, Inc.

4227 Technology Drive
Fremont, California 94538-6337
510/651-2964 Fax: 510/656-4926

OCT 19 1992

October 13, 1992

Mr. Jeffrey Zelikson
Director
U.S. Environmental Protection Agency
Region IX
75 Hawthorne Street
San Francisco, CA 94103

Mr. Dennis Dickerson
Regional Administrator
Cal EPA, Department of Toxic Substances Control
Region III
1405 North San Fernando Boulevard
Suite 300
Burbank, CA 91504

RE: Oil and Solvent Process Company, Azusa, California - CAD008302903
RCRA Facility Investigation

Gentlemen:

In accordance with our meeting on Monday, December 23, 1991, with Messrs. Wayne Praskins and Tom Kelley of U.S. Environmental Protection Agency (EPA), and our follow-up letter dated January 13, 1992, Chemical Waste Management, Inc. (CWM) herein forwards copies of groundwater chemistry analytical results for samples collected at the subject facility on September 10 and 11, 1992.

It is our understanding that these results will be used exclusively by U.S. EPA/California EPA, and will be released to outside parties *only* after interpretation by CWM in the Final RCRA Facility Investigation Report.

Printed on recycled paper

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Please call me at (510) 651-2964 if have any questions.

Sincerely,

CHEMICAL WASTE MANAGEMENT, INC.

Marc Yalom, R.G.
Regional Hydrogeologist

MIY/bas

Attachment

WMI Environmental Monitoring Laboratories, Inc.

Analytical Report Transmittal Memorandum

OCT 1992
RECEIVED
Western Region
Environmental
Mgt. Dept.
C.W.M.I.

Date: October 2, 1992

To: Client(s) - see below

From: Dave Lundquist

Subject: O.S.C.O. 92-12440

Please find enclosed the current Client Report, Field Information Forms, and Field Chain-of-Custody Records for the recently completed event at O.S.C.O..

The data has been thoroughly reviewed and compared to historical data. We have tried to provide a report that is complete and of known and documented quality. Please take a moment to review the enclosed report to insure it meets your expectations.

If you have any questions, don't hesitate to call Donna Bierschenk at (708)208-3100.

Report Distribution:

Name	Report Type
Marc Yalom*	ALL +Diskette

* *Program Manager*

The EML would like your feedback on how you would rate our performance on the recently completed sampling event. We would like to address your concerns in a timely manner, and will use the survey as a means of identifying current client concerns.

Please take a minute to fill out the survey and to add additional comments if necessary.

Thanks in advance for your effort!

1A) Did you ever experience any difficulties in setting up this event? (If yes, please explain). YES NO

_____

1B) Did you receive your checklist approximately 50 days in advance of the event? YES NO

1C) Was the checklist completed by the 15th of the month preceeding the event? YES NO

2) Did you receive your AquaPaks with sufficient lead time to check the contents? YES NO
(If no, please state how much lead time you would need)._____

3) Were there any other problems associated with the AquaPaks (sent to corrected address, correct bottles, sufficient cool paks)? (If ye , please descibe). YES NO

_____

_____

4) Did you receive your report within 30 days of the receipt of the last sample in the event? (If no, please indicate approximate number of days until receipt). _____ YES NO

5) Did you review the data within 10 days of receipt? YES NO
(If no, on what day after receipt did you review your report)? _____
Did your review of the report uncover any discrepancies/omissions? (If yes, describe briefly). YES NO

_____

_____

6) Do you have any other concerns/suggestions? YES NO

_____

_____

Please rate EML performance on this recently completed event
Excellent (5) Good (4) Average (3) Below Ave. (2)
Poor (1)

Quality	5	4	3	2	1
TAT	5	4	3	2	1
Communications	5	4	3	2	1

Site_____ Ens#_____ Respondee_____

Environmental Monitoring
Laboratories, Inc.
2100 Clearwater Drive
Geneva, Illinois 60134
708-208-3100

A Waste Management Company

Enclosed are the analytical results for samples received from your facility. The results in the Client Report are for a single ENS (Event Notification System) number only. The sampling event at your facility may include multiple ENS numbers. A separate Client Report will be generated for each one.

It is the goal of WMI Environmental Monitoring Laboratories, Inc. to provide analytical data in a timely fashion, formatted in a way that our clients will find most useful.

If you have any questions concerning the form or content of this report, please contact the WMI EML Customer Operations Department:

Main Number (708) 208-3100
FAX Number (708) 208-1175

Note: Two designations may appear in the results column of your Client Report: NA or ND.

The designation NA (for "Not Analyzed") is used to identify analytes which were requested in the monitoring program, but for which no suitable testing methodology exists. NA may also indicate a dry well, broken sample bottle, insufficient sample volume, or other condition which precludes analysis for a sample.

The designation ND (for "Not Detected") is used to indicate that the analyte of interest was not found at or above the concentration listed under the EMLRL (EML Reporting Limit) heading.

Unless otherwise indicated, all analytes meet the requirements of holding time as specified in the method.

Deborah C. Hockman, Ph.D.

Deborah C. Hockman, Ph.D.
President
WMI Environmental Monitoring Laboratories, Inc.

Data Qualifier Comment Code Definitions

AR: Acid surrogate recoveries did not meet the acceptance criteria of the method. Oxidation degradation due to sample matrix was confirmed.

BB: Broken bottle.

BL: The method blank concentration associated with this analyte did not meet the acceptance criteria of the method.

CX: The concentration of this compound exceeded the calibration used for this analysis. The concentration reported is estimated.

CU: Co-elution with another compound interferes with the quantitation of this compound. The concentration reported is estimated.

DL: The sample was diluted during analysis. Reporting limits have been adjusted where necessary.

DP: This sample was analyzed in duplicate. The relative percent difference between the two results did not meet the acceptance criteria of the method.

DW: Dry well

HS: The headspace in this sample bottle exceeded 6 millimeters.

IS: The internal standard recoveries associated with this analysis did not meet the acceptance criteria of the method.

IV: The bottle did not contain enough sample to perform the analysis.

MP: 3-methylhphenol and 4-methylphenol co-elute under the analytical conditions of the method, and can not be differentiated solely on the basis of their mass spectra. The concentrations reported may be either or both isomers.

MX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was in control. The result reported may therefore be affected by matrix interferences.

NN: N-nitrosodiphenylamine can not be distinguished from diphenylamine using gas chromatography. The concentrations reported may be either or both compounds.

NQ: No standard qualifier code is in use for this qualification. See the associated comment.

NS: There was not enough sample to repeat this analysis.

PL: This result may be a product of contamination from phthalate plasticizers, which are a common lab contaminant.

PX: This sample required preservation in the field to a pH of less than 2. The pH was checked after receipt at the lab, and did not have a pH of less than 2.

PY: This sample required preservation in the field to a pH of 4 to 5. The pH was checked after receipt at the lab, and did not have a pH of 4 to 5.

PZ: This sample required preservation in the field to a pH of 12 or greater. The pH was checked after receipt at the lab, and did not have a pH of 12 or greater.

QX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was out-of-control. The analytical result for this parameter in the unspiked sample is suspect and may not be reported for regulatory compliance purposes.

RA: Acid surrogate recoveries associated with this analysis did not meet the acceptance criteria of the method.

RB: Base/neutral surrogate recoveries associated with this analysis did not meet the acceptance criteria of the method.

SB: The analysis of this sample was performed by an approved subcontract laboratory.

ST: This compound is not stable in acidic water.

SU: The analysis of the surrogate with this sample did not meet the acceptance criteria of the method.

TX: The analysis for this parameter was conducted after the holding time specified in the method.

UN: This compound is not stable under the conditions of the analysis.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AF6046

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 10-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	276.26		FT		FDWDTWTC01
GROUNDWATER ELEV.	NA		FT MSL		FDWGWELWDT
PH FIELD	7.23		PH UNITS		FDPHQUAD01
PH FIELD	7.23		PH UNITS		FDPHQUAD01
PH FIELD	7.23		PH UNITS		FDPHQUAD01
PH FIELD	7.23		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	573.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	573.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	573.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	573.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	30.2		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	NA		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	1.2	1.000	MG/L		CRTOCDUP01
TOTAL ORGANIC CARBON	1.1	1.000	MG/L		CRTOCDUP01
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	ND	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	64.7	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	250	5.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	6.2	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	110	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	5.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	ND	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	ND	5.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	CAL ENSECO
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AF6046

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 10-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	380	5.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	330	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AF6046

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 10-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L	NN	SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	50.000	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	190.	50.000	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	50.000	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	50.000	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	50.000	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	89.	50.000	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	50.000	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	ND	50.000	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	50.000	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	50.000	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	50.000	UG/L		VOMSBA0322
2-BUTANONE	ND	100.000	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	200.000	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	100.000	UG/L		VOMSBA0322
ACETONE	ND	340.000	UG/L		VOMSBA0322
BENZENE	ND	10.000	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	50.000	UG/L		VOMSBA0322
BROMOFORM	ND	50.000	UG/L		VOMSBA0322
BROMOMETHANE	ND	50.000	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	10.000	UG/L		VOMSBA0322
CHLOROBENZENE	ND	50.000	UG/L		VOMSBA0322
CHLOROETHANE	ND	100.000	UG/L		VOMSBA0322
CHLOROFORM	ND	50.000	UG/L		VOMSBA0322
CHLOROMETHANE	ND	100.000	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	50.000	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	50.000	UG/L		VOMSBA0322
ETHYLBENZENE	ND	50.000	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	50.000	UG/L		VOMSBA0322
O-XYLENE	ND	50.000	UG/L		VOMSBA0322
TETRACHLOROETHENE	300.	50.000	UG/L		VOMSBA0322
TOLUENE	ND	50.000	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	50.000	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	50.000	UG/L		VOMSBA0322
TRICHLOROETHENE	350.	50.000	UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOMSBA0322	Dilution factor 10.00 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 – O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AF6046

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 10-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
TRICHLOROFLUOROMETHANE	ND	50.000	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	100.000	UG/L		VOMSBA0322

NA = Not Analyzed **ND** = Not Detected **TBK** = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AF6049

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 10-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	282.67		FT		FDWDTWTC01
GROUNDWATER ELEV.	246.53		FT MSL		FDWGWELWDT
PH FIELD	7.20		PH UNITS		FDPHQUAD01
PH FIELD	7.19		PH UNITS		FDPHQUAD01
PH FIELD	7.20		PH UNITS		FDPHQUAD01
PH FIELD	7.21		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	696.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	693.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	670.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	699.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	19.8		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	335.00		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP01
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP01
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	ND	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	ND	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	250	5.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	8	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	170	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	5.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	ND	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	ND	8.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201

NA = Not Analyzed **ND** = Not Detected **TBK** = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	CAL ENSECO
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AF6049

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 10-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	1100	5.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	590	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AF6049

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 10-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L	NN	SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	100.000	UG/L	HS	VOMSBA0322
1,1,1-TRICHLOROETHANE	190.	100.000	UG/L	HS	VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	100.000	UG/L	HS	VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	100.000	UG/L	HS	VOMSBA0322
1,1-DICHLOROETHANE	ND	100.000	UG/L	HS	VOMSBA0322
1,1-DICHLOROETHENE	170.	100.000	UG/L	HS	VOMSBA0322
1,2-DICHLOROBENZENE	ND	100.000	UG/L	HS	VOMSBA0322
1,2-DICHLOROETHANE	ND	100.000	UG/L	HS	VOMSBA0322
1,2-DICHLOROPROPANE	ND	100.000	UG/L	HS	VOMSBA0322
1,3-DICHLOROBENZENE	ND	100.000	UG/L	HS	VOMSBA0322
1,4-DICHLOROBENZENE	ND	100.000	UG/L	HS	VOMSBA0322
2-BUTANONE	ND	200.000	UG/L	HS	VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	400.000	UG/L	HS,ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	200.000	UG/L	HS	VOMSBA0322
ACETONE	ND	680.000	UG/L	HS	VOMSBA0322
BENZENE	ND	20.000	UG/L	HS	VOMSBA0322
BROMODICHLOROMETHANE	ND	100.000	UG/L	HS	VOMSBA0322
BROMOFORM	ND	100.000	UG/L	HS	VOMSBA0322
BROMOMETHANE	ND	100.000	UG/L	HS	VOMSBA0322
CARBON TETRACHLORIDE	ND	20.000	UG/L	HS	VOMSBA0322
CHLOROBENZENE	ND	100.000	UG/L	HS	VOMSBA0322
CHLOROETHANE	ND	200.000	UG/L	HS	VOMSBA0322
CHLOROFORM	ND	100.000	UG/L	HS	VOMSBA0322
CHLOROMETHANE	ND	200.000	UG/L	HS	VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	100.000	UG/L	HS	VOMSBA0322
DIBROMOCHLOROMETHANE	ND	100.000	UG/L	HS	VOMSBA0322
ETHYLBENZENE	ND	100.000	UG/L	HS	VOMSBA0322
METHYLENE CHLORIDE	ND	100.000	UG/L	HS	VOMSBA0322
O-XYLENE	ND	100.000	UG/L	HS	VOMSBA0322
TETRACHLOROETHENE	780.	100.000	UG/L	HS	VOMSBA0322
TOLUENE	ND	100.000	UG/L	HS	VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	100.000	UG/L	HS	VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	100.000	UG/L	HS	VOMSBA0322
TRICHLOROETHENE	510.	100.000	UG/L	HS	VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOMSBA0322	Dilution factor 20.00 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AF6049

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 10-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
TRICHLOROFLUOROMETHANE	ND	100.000	UG/L	HS	VOMSBA0322
VINYL CHLORIDE	ND	200.000	UG/L	HS	VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW02
Sample Type: WELL
Sample Number: AF6047

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 10-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	276.26		FT		FDWDTWTC01
GROUNDWATER ELEV.	NA		FT MSL		FDWGWELWDT
PH FIELD	7.22		PH UNITS		FDPHQUAD01
PH FIELD	7.23		PH UNITS		FDPHQUAD01
PH FIELD	7.23		PH UNITS		FDPHQUAD01
PH FIELD	7.23		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	573.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	573.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	573.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	573.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	30.2		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	NA		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP01
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP01
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	ND	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	64.9	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	220	5.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	62	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	5.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	ND	0.500	UG/L		SBGCAAA201

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
INICPDISAL	EMPTY - ALIQUOT FROM : AF6047-E0
INICPDISBA	EMPTY - ALIQUOT FROM : AF6047-E0
INICPDISCD	EMPTY - ALIQUOT FROM : AF6047-E0
INICPDISCR	EMPTY - ALIQUOT FROM : AF6047-E0
INICPDISCU	EMPTY - ALIQUOT FROM : AF6047-E0
INICPDISMN	EMPTY - ALIQUOT FROM : AF6047-E0
INICPDISNI	EMPTY - ALIQUOT FROM : AF6047-E0
INICPDISZN	EMPTY - ALIQUOT FROM : AF6047-E0
1,1,1-TRICHLOROETHANE	CAL ENSECO
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW02
Sample Type: WELL
Sample Number: AF6047

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 10-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
CHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	ND	5.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	330	5.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	250	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW02
Sample Type: WELL
Sample Number: AF6047

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 10-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L	NN	SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	35.700	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	130.	35.700	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	35.700	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	35.700	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	35.700	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	45.	35.700	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	35.700	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	ND	35.700	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	35.700	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	35.700	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	35.700	UG/L		VOMSBA0322
2-BUTANONE	ND	71.400	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	142.800	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	71.400	UG/L		VOMSBA0322
ACETONE	ND	242.760	UG/L		VOMSBA0322
BENZENE	ND	7.140	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	35.700	UG/L		VOMSBA0322
BROMOFORM	ND	35.700	UG/L		VOMSBA0322
BROMOMETHANE	ND	35.700	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	7.140	UG/L		VOMSBA0322
CHLOROBENZENE	ND	35.700	UG/L		VOMSBA0322
CHLOROETHANE	ND	71.400	UG/L		VOMSBA0322
CHLOROFORM	ND	35.700	UG/L		VOMSBA0322
CHLOROMETHANE	ND	71.400	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	35.700	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	35.700	UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOMSBA0322	Dilution factor 7.14 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW02
Sample Type: WELL
Sample Number: AF6047

FNS: 92-12440
MP: 562921
REV: 01

Sampled: 10-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
ETHYLBENZENE	ND	35.700	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	35.700	UG/L		VOMSBA0322
O-XYLENE	ND	35.700	UG/L		VOMSBA0322
TETRACHLOROETHENE	160.	35.700	UG/L		VOMSBA0322
TOLUENE	ND	35.700	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	35.700	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	35.700	UG/L		VOMSBA0322
TRICHLOROETHENE	190.	35.700	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	35.700	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	71.400	UG/L		VOMSBA0322

NA = Not Analyzed **ND** = Not Detected **TBK** = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AF6050

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 11-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	272.85		FT		FDWDTWTC01
GROUNDWATER ELEV.	246.08		FT MSL		FDWGWELWDT
PH FIELD	7.05		PH UNITS		FDPHQUAD01
PH FIELD	7.08		PH UNITS		FDPHQUAD01
PH FIELD	7.04		PH UNITS		FDPHQUAD01
PH FIELD	7.04		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	761.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	717.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	717.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	717.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	19.8		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	319.50		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	1.4	1.000	MG/L		CRTOCDUP01
TOTAL ORGANIC CARBON	1.4	1.000	MG/L		CRTOCDUP01
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	211	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	ND	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	180	5.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	6.4	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	86	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	5.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	ND	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	ND	8.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	CAL ENSECO
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AF6050

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 11-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	150	5.000	UG/L		SBGCFAA101
TOLUENE	3	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	250	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AF6050

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 11-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L	NN	SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	50.000	UG/L		VOMSBAO322
1,1,1-TRICHLOROETHANE	160.	50.000	UG/L		VOMSBAO322
1,1,2,2-TETRACHLOROETHANE	ND	50.000	UG/L		VOMSBAO322
1,1,2-TRICHLOROETHANE	ND	50.000	UG/L		VOMSBAO322
1,1-DICHLOROETHANE	ND	50.000	UG/L		VOMSBAO322
1,1-DICHLOROETHENE	120.	50.000	UG/L		VOMSBAO322
1,2-DICHLOROBENZENE	ND	50.000	UG/L		VOMSBAO322
1,2-DICHLOROETHANE	ND	50.000	UG/L		VOMSBAO322
1,2-DICHLOROPROPANE	ND	50.000	UG/L		VOMSBAO322
1,3-DICHLOROBENZENE	ND	50.000	UG/L		VOMSBAO322
1,4-DICHLOROBENZENE	ND	50.000	UG/L		VOMSBAO322
2-BUTANONE	ND	100.000	UG/L		VOMSBAO322
2-CHLOROETHYLVINYL ETHER	ND	200.000	UG/L	ST	VOMSBAO322
4-METHYL-2-PENTANONE	ND	100.000	UG/L		VOMSBAO322
ACETONE	ND	340.000	UG/L		VOMSBAO322
BENZENE	ND	10.000	UG/L		VOMSBAO322
BROMODICHLOROMETHANE	ND	50.000	UG/L		VOMSBAO322
BROMOFORM	ND	50.000	UG/L		VOMSBAO322
BROMOMETHANE	ND	50.000	UG/L		VOMSBAO322
CARBON TETRACHLORIDE	ND	10.000	UG/L		VOMSBAO322
CHLOROBENZENE	ND	50.000	UG/L		VOMSBAO322
CHLOROETHANE	ND	100.000	UG/L		VOMSBAO322
CHLOROFORM	ND	50.000	UG/L		VOMSBAO322
CHLOROMETHANE	ND	100.000	UG/L		VOMSBAO322
CIS-1,3-DICHLOROPROPENE	ND	50.000	UG/L		VOMSBAO322
DIBROMOCHLOROMETHANE	ND	50.000	UG/L		VOMSBAO322
ETHYLBENZENE	ND	50.000	UG/L		VOMSBAO322
METHYLENE CHLORIDE	ND	50.000	UG/L		VOMSBAO322
O-XYLENE	ND	50.000	UG/L		VOMSBAO322
TETRACHLOROETHENE	220.	50.000	UG/L		VOMSBAO322
TOLUENE	ND	50.000	UG/L		VOMSBAO322
TRANS-1,2-DICHLOROETHENE	ND	50.000	UG/L		VOMSBAO322
TRANS-1,3-DICHLOROPROPENE	ND	50.000	UG/L		VOMSBAO322
TRICHLOROETHENE	350.	50.000	UG/L		VOMSBAO322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
VOMSBAO322	Dilution factor 10.00 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AF6050

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 11-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
TRICHLOROFLUOROMETHANE	ND	50.000	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	100.000	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AF6048

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 10-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	274.37		FT		FDWDTWTC01
GROUNDWATER ELEV.	245.99		FT MSL		FDWGWELWDT
PH FIELD	6.97		PH UNITS		FDPHQUAD01
PH FIELD	6.97		PH UNITS		FDPHQUAD01
PH FIELD	6.97		PH UNITS		FDPHQUAD01
PH FIELD	6.93		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	886.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	886.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	886.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	886.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	18.9		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	318.00		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP01
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP01
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	239	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	33.9	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	550	50.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	250	50.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	170	50.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	50.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	50.000	UG/L		SBGCFAA101
BENZENE	.72	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	50.000	UG/L		SBGCFAA101
BROMOFORM	ND	50.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	100.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	50.000	UG/L		SBGCFAA101
CHLOROBENZENE	2.3	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	100.000	UG/L		SBGCFAA101
CHLOROFORM	ND	50.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	100.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	60.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	50.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	100.000	UG/L		SBGCFAA101
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	CAL ENSECO
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AF6048

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 10-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
METHYLENE CHLORIDE	ND	50.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	670	50.000	UG/L		SBGCFAA101
TOLUENE	1.2	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	50.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	50.000	UG/L		SBGCFAA101
TRICHLOROETHENE	1200	50.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	100.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	100.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AF6048

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 10-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L	NN	SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	200.000	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	460.	200.000	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	200.000	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	200.000	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	200.000	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	290.	200.000	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	200.000	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	ND	200.000	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	200.000	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	200.000	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	200.000	UG/L		VOMSBA0322
2-BUTANONE	ND	400.000	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	800.000	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	400.000	UG/L		VOMSBA0322
ACETONE	ND	1360.000	UG/L		VOMSBA0322
BENZENE	ND	40.000	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	200.000	UG/L		VOMSBA0322
BROMOFORM	ND	200.000	UG/L		VOMSBA0322
BROMOMETHANE	ND	200.000	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	40.000	UG/L		VOMSBA0322
CHLOROBENZENE	ND	200.000	UG/L		VOMSBA0322
CHLOROETHANE	ND	400.000	UG/L		VOMSBA0322
CHLOROFORM	ND	200.000	UG/L		VOMSBA0322
CHLOROMETHANE	ND	400.000	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	200.000	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	200.000	UG/L		VOMSBA0322
ETHYLBENZENE	ND	200.000	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	200.000	UG/L		VOMSBA0322
O-XYLENE	ND	200.000	UG/L		VOMSBA0322
TETRACHLOROETHENE	860.	200.000	UG/L		VOMSBA0322
TOLUENE	ND	200.000	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	200.000	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	200.000	UG/L		VOMSBA0322
TRICHLOROETHENE	1400.	200.000	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
VOMSBA0322	Dilution factor 40.00 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AF6048

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 10-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
TRICHLOROFLUOROMETHANE	ND	200.000	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	400.000	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AF6045

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 10-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	273.37		FT		FDWDTWTC01
GROUNDWATER ELEV.	246.20		FT MSL		FDWGWELWDT
PH FIELD	7.10		PH UNITS		FDPHQUAD01
PH FIELD	7.10		PH UNITS		FDPHQUAD01
PH FIELD	7.10		PH UNITS		FDPHQUAD01
PH FIELD	7.10		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	841.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	841.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	841.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	841.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	18.9		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	330.00		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP01
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP01
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	ND	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	31.2	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	310	5.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	16	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	62	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	22	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	5.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	.55	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	ND	11.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	CAL ENSECO
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AF6045

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 10-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	360	5.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	210	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L	NQ	SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L	NQ	SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L	NQ	SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L	QX	SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
4,4'-DDE	THE RELATIVE PERCENT DIFFERENCE OF THE MATRIX SPIKE AND MATRIX SPIKE DUPLICATE DID NOT MEET ACCEPTANCE CRITERIA OF THE METHOD.
4,4'-DDT	THE RELATIVE PERCENT DIFFERENCE OF THE MATRIX SPIKE AND MATRIX SPIKE DUPLICATE DID NOT MEET ACCEPTANCE CRITERIA OF THE METHOD.
ALDRIN	THE RELATIVE PERCENT DIFFERENCE OF THE MATRIX SPIKE AND MATRIX SPIKE DUPLICATE DID NOT MEET ACCEPTANCE CRITERIA OF THE METHOD.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AF6045

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 10-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L	QX	SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L	NN	SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	50.000	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	200.	50.000	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	50.000	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	50.000	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	50.000	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	ND	50.000	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	50.000	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	ND	50.000	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	50.000	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	50.000	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	50.000	UG/L		VOMSBA0322
2-BUTANONE	ND	100.000	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	200.000	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	100.000	UG/L		VOMSBA0322
ACETONE	ND	340.000	UG/L		VOMSBA0322
BENZENE	ND	10.000	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	50.000	UG/L		VOMSBA0322
BROMOFORM	ND	50.000	UG/L		VOMSBA0322
BROMOMETHANE	ND	50.000	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	10.000	UG/L		VOMSBA0322
CHLOROBENZENE	ND	50.000	UG/L		VOMSBA0322
CHLOROETHANE	ND	100.000	UG/L		VOMSBA0322
CHLOROFORM	ND	50.000	UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOMSBA0322	Dilution factor 10.00 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AF6045

ENS: 92-12440
MP: 562921
REV: 01

Sampled: 10-SEP-1992
Received: 12-SEP-1992
Reported: 2-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
CHLOROMETHANE	ND	100.000	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	50.000	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	50.000	UG/L		VOMSBA0322
ETHYLBENZENE	ND	50.000	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	50.000	UG/L		VOMSBA0322
O-XYLENE	ND	50.000	UG/L		VOMSBA0322
TETRACHLOROETHENE	210.	50.000	UG/L		VOMSBA0322
TOLUENE	ND	50.000	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	50.000	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	50.000	UG/L		VOMSBA0322
TRICHLOROETHENE	170.	50.000	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	50.000	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	100.000	UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Subcontract To: _____

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 1053
Date Sealed 9/2/0/9/0/9 (YY / MM / DD)
Seal # 39910
By: BN

SITE/FACILITY # 562 SITE NAME: U.S.C.O

Sample Point: W DUP
Source Code DW

SAMPLE DATE: 9/2/0/9/1/0 (YY / MM / DD)

SAMPLE TIME: 1/3/:/1/5 (2400 HR.) MATRIX CODE: WS

Water (W) Soil (S) Leachate (C) Other (X)

Source Codes:
Well (W) Dewatering/Pressure Relief (D) Surface Water Impoundment (I) Leachate System (C) Gas Condensate (M) Air (A) Pretreatment Facility (P) Influent (U) Effluent (T) River/Stream/Brook (R) Lake or Ocean (L) Outfall (O) Soil (S) Bottom Sediment (B) Noise (N) Generation Pt. (G) Other (X) Specify _____

ENS # 92-12440

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y—N	FIELD COMMENTS	E.M.L. COMMENTS
AF6046-A	04	G	HCL/COOL 4	DEG C SB	Y (N)		
AF6046-B	04	G	NONE/COOL 4	DEG C SB	Y (N)		
AF6046-C	02	G	H2SO4/COOL 4	DEG C CR	(Y) N		
AF6046-D	01	P	HNO3	IN	(Y) N		
AF6046-E	01	P	HNO3	IN	(Y) N		
AF6046-F	02	G	NONE/COOL 4	DEG C SV	Y (N)		
AF6046-G	02	G	NONE/COOL 4	DEG C SV	Y (N)		
AF6046-H	04	G	HCL/COOL 4	DEG C VO	Y (N)		
~~AF6046-I~~	~~01~~	~~G~~	~~HCL/COOL 4~~	~~DEG C VS~~	Y N		CANCEL B.N 9/9/92
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) Manuel Martinez Date: 9/10/92 Time: 10:45 (2400 HR.)
Signature: [signature] Seal #: 0039910 Intact: YES.

I have received these materials in good condition from the above person.

2. Name: Debbie Wilson Signature: Debbie Wilson
Date: 9/10/92 Time: 16:00 (2400 HR.) Remarks: _____

I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

4. AquaPak™/Sub Contr. # 1053 Sealed By: Debbie Wilson (Print) Date: 9/11/92 Time: 14:00 (2400 HR.)
Signature: Debbie Wilson Seal #: 38936 Intact: yes

LAB USE ONLY
Opened By: (Signature) [signature] Date: 9/12/92 Time: 9:10 (2400 HR.)
AquaPak™/Sub. Contr. # 1053 Temp.°C 14 Seal # 38936 Intact. Y

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AF6046

FIELD INFORMATION FORM

Sample Point: WDVP (Source Code)

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
920910	1245	.3	527	1580

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- SS. Screen TWC Galvanized pipe PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	(ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	27.626 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	(ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	(ft)	Stickup	2.40 (ft)

	ph		spec. cond.				
1st	7.23 (STD)	1st	573 μm/cm at 25° C	Sample Temp.	30.2 (° C)		
2nd	7.23 (STD)	2nd	573 μm/cm at 25° C	Well Dia (other parameter)	5.0 value	in units	
3rd	7.23 (STD)	3rd	573 μm/cm at 25° C	(other parameter)	value	units	
4th	7.23 (STD)	4th	573 μm/cm at 25° C	(other parameter)	value	units	

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: None Color: Clear Turbidity: Slight

Weather Conditions: Wind Speed 15 mph Direction Southwest Precipitation Y/N Outlook Sunny/Clear

Specific Comments: Sample point WDVP was obtained at MW02

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

9/10/92 (Date) [signature] (Signature) Employer: SEC Donohue

EML FF-2A 4/90

Subcontract To:

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 1049
Date Sealed 9/2/0/9/0/9 (YY / MM / DD)
Seal # 39311
By: B.N

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: W M W O 1 (Source Code)

SAMPLE DATE: 9/2/0/9/1/0 (YY / MM / DD)

SAMPLE TIME: 1/6:0/3 (2400 HR.) MATRIX CODE: W

Water (W) Soil (S) Leachate (C) Other (X)

Source Codes:
Well (W) Dewatering/Pressure Relief (D) Surface Water Impoundment (I) Leachate System (C) Gas Condensate (M) Air (A) Pretreatment Facility (P) Influent (U) Effluent (T) River/Stream/Brook (R) Lake or Ocean (L) Outfall (O) Soil (S) Bottom Sediment (B) Noise (N) Generation Pt. (G) Other (X) Specify

ENS # 92-12440

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AF6049-A	04	G	HCL/COOL 4	DEG C SB	Y N		
AF6049-B	04	G	NONE/COOL 4	DEG C SB	Y N		
AF6049-C	02	G	H2SO4/COOL	4 DEG C CR	Y N		
AF6049-D	01	P	HNO3	IN	Y N		
AF6049-E	01	P	HNO3	IN	Y N		
AF6049-F	02	G	NONE/COOL 4	DEG C SV	Y N		
AF6049-G	02	G	NONE/COOL 4	DEG C SV	Y N		
AF6049-H	04	G	HCL/COOL 4	DEG C VO	Y N		
~~AF6049-I~~	~~01~~	~~G~~	~~HCL/COOL 4~~	~~DEG C VO~~	Y N		CANCEL B.N 9/9/92
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) Manuel Martinez Date: 9/10/92 Time: 13:09 (2400 HR.)
Signature: [signature] Seal #: 0039211 Intact: YES

I have received these materials in good condition from the above person.

2. Name: Debbie Wilson Signature: [signature]
Date: 9/10/92 Time: 16:00 (2400 HR.) Remarks:

I have received these materials in good condition from the above person.

3. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks:

4. AquaPak™/Sub Contr. # 1049 Sealed By: Debbie Wilson (Print) Date: 09/11/92 Time: 14:00 (2400 HR.)
Signature: [signature] Seal #: 39138 Intact: yes

LAB USE ONLY
Opened By: (Signature) [signature] Date: 9/12/92 Time: 10:23 (2400 HR.)
AquaPak™/Sub. Contr. # 1049 Temp. °C 14 Seal # 38138 Intact. Y

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AF6049

Sample Point: WMW01 (Source Code)

FIELD INFORMATION FORM

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
920910	1603	3	53.3	160.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL SCREEN 7NC 304 GALVANIZED STEEL PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon C-Rope X- (SPECIFY)	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* 529.20 (ft/msl)	Land Surface Elevation	526.93 (ft/msl)
Depth to water From top of well casing	282.67 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	* 246.53 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* 335.00 (ft)	Stickup	(ft)

	ph	spec. cond. (μm/cm at 25° C)	Sample Temp. (° C)
1st	7.21 (STD)	699	19.8
2nd	7.20 (STD)	690	WELL DIA (other parameter) 5.0 (value) in (units)
3rd	7.19 (STD)	693	STICK-UP (other parameter) 3.4 (value) Ft (units)
4th	7.20 (STD)	696	(other parameter) (value) (units)

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: NONE Color: CLEAR Turbidity: SLIGHT

Weather Conditions: Wind Speed 15 MPH Direction SOUTHWEST Precipitation Y(N) Outlook SUNNY/CLEAR

Specific Comments: * INFORMATION NOT YET AVAILABLE / Made available prior to shipment

WELL CONDITION IS GOOD, ACCESS GOOD

335.0' - 282.67' = (52.33)(1.02) = (53.38)(3) = 160.0 GAL (VOLUME PURGED)

THE ECELTRIC PUMP AT MW01 WASNOT WORKING PROPERLY (replaced - provided with new plug.)

GOOD RECHARGE RATE; 3 WELL CASINGS OBTAINED AT 16:24

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

9/10/92 (Date) [signature] (Signature) Employer: SEC DONOHUE.

FMI FF-2A 4/90

Subcontract To: [illegible]

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 1053
Date Sealed 9 2 0 9 0 9 (YY / MM / DD)
Seal # 39910
By: [illegible]

SITE/FACILITY # 562 | SITE NAME: O.S.C.O

Sample Point: W M W 0 2 (Source Code)

SAMPLE DATE: 9 2 0 9 1 0 (YY / MM / DD)

SAMPLE TIME: 1 3 : 1 5 (2400 HR.)

MATRIX CODE: W

Water (W) Leachate (C)
Soil (S) Other (X)

Source Codes:

Well (W) Leachate System (C) Pretreatment Facility (P) River/Stream Brook (R) Soil (S) Generation Pt. (G)
Dewatering/Pressure Relief (D) Gas Condensate (M) Influent (U) Lake or Ocean (L) Bottom Sediment (B) Other (X)
Surface Water Impoundment (I) Air (A) Effluent (T) Outfall (O) Noise (N) Specify

ENS # 92-12440

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y—N	FIELD COMMENTS	E.M.L. COMMENTS
AF6047-A	04	G	HCL/COOL 4	DEG C SB	Y (N)		
AF6047-B	04	G	NONE/COOL 4	DEG C SB	Y (N)		
AF6047-C	02	G	H2SO4/COOL	4 DEG C CR	(Y) N		Note:
AF6047-D	01	P	HNO3	IN	(Y) N		OD cap loose/
AF6047-E	01	P	HNO3	IN	(Y) N		Aliquot from
AF6047-F	02	G	NONE/COOL 4	DEG C SV	Y (N)		
AF6047-G	02	G	NONE/COOL 4	DEG C SV	Y (N)		
AF6047-H	04	G	HCL/COOL 4	DEG C VO	Y (N)		
~~AF6047-I~~	~~01~~	~~G~~	~~HCL/COOL 4~~	~~DEG C VO~~	Y N		CANCEL B.N 9/9/92
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) MANUEL MARTINEZ Date: 9/10/92 Time: 12:45 (2400 HR.)
Signature: [signature] Seal #: 0039910 Intact: YES

I have received these materials in good condition from the above person.

2. Name: Debbie Wilson Signature: [signature]
Date: 9/10/92 Time: 16:00 (2400 HR.) Remarks:

I have received these materials in good condition from the above person.

3. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks:

4. AquaPak™/Sub Contr. # 1053 Sealed By: Debbie Wilson (Print) Date: 9/10/92 Time: 14:00 (2400 HR.)
Signature: [signature] Seal #: 38936 Intact: yes

LAB USE ONLY
Opened By: (Signature) [signature] Date: 9/12/92 Time: 9:10 (2400 HR.)
AquaPak™/Sub Contr. # 1053 Temp.°C 14 Seal # 38936 Intact. Y

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AF6047

Sample Point: W MW02 (Source Code)

FIELD INFORMATION FORM

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
920910	13.45	0.3	52.7	158.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) N (circle one) Sampling Equipment ..... Dedicated (Y) N (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL SCREEN TNC 304 GALVANIZED STEEL PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* ~~276.26~~ MM (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	276.26 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	* (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* (ft)	Stickup	(ft)

	ph		spec. cond.		Sample Temp.
1st	7.23 (STD)	1st	573 μm/cm at 25° C		30.2 (° C)
2nd	7.23 (STD)	2nd	573 μm/cm at 25° C		WELL DIA (other parameter) 5.0" (value) in (units)
3rd	7.23 (STD)	3rd	573 μm/cm at 25° C		STICK-UP (other parameter) 2.4 (value) ft (units)
4th	7.22 (STD)	4th	573 μm/cm at 25° C		(other parameter) (value) (units)

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: NONE. Color: CLEAR Turbidity: SLIGHT

Weather Conditions: Wind Speed 15 MPH Direction SOUTHWEST Precipitation Y/N Outlook SUNNY/CLEAR

Specific Comments: * INFORMATION NOT YET AVAILABLE

WELL CONDITION IS GOOD, ACCESS GOOD

GOOD RECHARGE RATE; 3 CAISING OBTAINED AT 13:00

A DUPLICATE SAMPLE WAS TAKEN AT MW02

VOLUME PURGED: 328.0' - 276.26' = (51.74)(1.02) = (52.77)(3) = 158.0 GAL

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

9/10/92 (Date) [signature] (Signature) Employer: SEC DONOHUE.

EMI FF 2A 4/90

Subcontract To:

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

SITE/FACILITY # 562 SITE NAME: O.S.C.D

Sample Point: W MW 03 (Source Code)

SAMPLE DATE: 92 09 19 (YY / MM / DD)

SAMPLE TIME: 12:14 (2400 HR.)

Source Codes:

Well . . . . . (W) Leachate System . . (C)
Dewatering/Pressure Relief . . . . (D) Gas Condensate . . . (M)
Surface Water Impoundment . . . (I) Air . . . . . (A)

ENS # 92-[illegible]

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PR[illegible]				COMMENTS	
AF6050-A	04	G	HCL [illegible]					
AF6050-B	04	G	NONE/COO[illegible]					
AF6050-C	02	G	H2SO4/[illegible]					
AF6050-D	01	P	HNO3			N		
AF6050-E	01	P	HNO3			N		
AF6050-F	02	G	NONE/COOL 4	DEG C		Y N		
AF6050-G	02	G	NONE/COOL 4	DEG C		Y N		
AF6050-H	04	G	HCL/COOL 4	DEG C	VO[illegible]	Y N		
~~AF6050-I~~	~~01~~	~~G~~	~~HCL/COOL 4~~	~~DEG C~~	~~VO[illegible]~~	Y N		
						Y N		
						Y N		
						Y N		
						Y N		
						Y N		
						Y N		
						Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) [illegible] Date: [illegible] / 92 Time: [illegible]:51 (2400 HR.)
   Signature: [illegible] Seal #: [illegible] Intact:

I have received these materials in good condition from the above person.

2. Name: Debbie Wilson Signature: [illegible]
   Date: 9/10/92 Time: 16:00 (2400 HR.) Remarks:

I have received these materials in good condition from the above

3. Name:
   Date: / / Time: : (2400 HR.)

4. AquaPak™/Sub Contr. # 658 Sealed By: [illegible] (Print) 1400 (2400 HR.)
   Signature: [illegible]

LAB USE ONLY
Opened By: (Signature) [illegible] Date: [illegible]
AquaPak™/Sub. Contr. # 658 Temp.°C 16 Seal # [illegible]

REGION

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AF6050

Sample Point: WMW03 (Source Code)

FIELD INFORMATION FORM

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
920911	12.15	.4	46.6	145.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- SS. Screen TNC Galvanized pipe PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	518.93 (ft/msl)	Land Surface Elevation	519.34 (ft/msl)
Depth to water From top of well casing	272.85 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	~~272.85~~ 246.08 DW (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	319.50 (ft)	Stickup	(ft)

	ph		spec. cond.		Sample Temp.	(° C)
1st	7.64 (STD)	1st	717	μm/cm at 25° C	19.8	
2nd	7.64 (STD)	2nd	717	μm/cm at 25° C	Well Dia (other parameter)	50 value, in units
3rd	7.68 (STD)	3rd	717	μm/cm at 25° C	(other parameter)	value, units
4th	7.05 (STD)	4th	761	μm/cm at 25° C	(other parameter)	value, units

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: None Color: Clear Turbidity: Slight

Weather Conditions: Wind Speed 15 mph Direction W. to SW Precipitation Y/N Outlook Sunny/Clear

Specific Comments: 319.50 - 272.85 = 46.65

Well condition is good, access good (1.02) 47.08 x 3 = 142.75

Good recharge rate, 3 casings obtained at 12:40

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

9/11/92 (Date) [signature] (Signature) Employer: SEC Donohue

EML FF-2A 4/90

Subcontract To: _____

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 1049
Date Sealed 9 2 0 9 0 9 (YY / MM / DD)
Seal # 39311
By: B.N.

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: W M W 0 4 (Source Code)

SAMPLE DATE: - 9 2 0 9 1 0 (YY / MM / DD)

SAMPLE TIME: 1 1 : 3 5 (2400 HR.) MATRIX CODE: W

Water ..... (W) Leachate ..... (C)
Soil ..... (S) Other ..... (X)

Source Codes:

Well ..... (W) Leachate System .. (C) Pretreatment Facility ... (P) River/Stream/Brook .. (R) Soil ..... (S) Generation Pt. .... (G)
Dewatering/Pressure Relief .... (D) Gas Condensate ... (M) Influent ..... (U) Lake or Ocean ..... (L) Bottom Sediment ... (B) Other ..... (X)
Surface Water Impoundment ... (I) Air ..... (A) Effluent ..... (T) Outfall ..... (O) Noise ..... (N) Specify _____

ENS # 92-12440

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AF6048-A	04	G	HCL/COOL 4	DEG C SB	Y N		
AF6048-B	04	G	NONE/COOL 4	DEG C SB	Y N		
AF6048-C	02	G	H2SO4/COOL	4 DEG C CR	Y N		
AF6048-D	01	P	HNO3	IN	Y N		
AF6048-E	01	P	HNO3	IN	Y N		
AF6048-F	02	G	NONE/COOL 4	DEG C SV	Y N		
AF6048-G	02	G	NONE/COOL 4	DEG C SV	Y N		
AF6048-H	04	G	HCL/COOL 4	DEG C VO	Y N		
~~AF6048-I~~	~~01~~	~~G~~	~~HCL/COOL 4~~	~~DEG C VO~~	Y N		CANCEL B.N. 9/9/92
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) MANUEL MARTINEZ Date: 9/10/92 Time: 15:09 (2400 HR.)
Signature: [signature] Seal #: 0039311 Intact: YES

I have received these materials in good condition from the above person.

2. Name: Debbie Wilson Signature: [signature]
Date: 9/10/92 Time: 16:00 (2400 HR.) Remarks: _____

I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

4. AquaPak™/Sub Contr. # 1049 Sealed By: Debbie Wilson (Print) Date: 09/11/92 Time: 14:00 (2400 HR.)
Signature: [signature] Seal #: 38138 Intact: YES

LAB USE ONLY
Opened By: (Signature) [signature] Date: 9/12/92 Time: 10:23 (2400 HR.)
AquaPak™/Sub. Contr. # 1049 Temp.°C 14 Seal # 38138 Intact. Y

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AF6048

FIELD INFORMATION FORM

Sample Point: WMW04 (Source Code)

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
9209 ~~10~~ 11 DW	10.45	.4	43.6	135.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL SCREEN 7 NC 304 GALVANIZED STEEL PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* 520.36 (ft/msl)	Land Surface Elevation	518.05 (ft/msl)
Depth to water From top of well casing	MM * 274.37 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	* 245.99 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* 318.00 (ft)	Stickup	(ft)

	ph		spec. cond.				
1st	6.93 (STD)	1st	886	μm/cm at 25° C	Sample Temp.	18.9 (° C)	
2nd	6.97 (STD)	2nd	886	μm/cm at 25° C	WELL DIA (other parameter)	5.0 value	in units
3rd	6.97 (STD)	3rd	886	μm/cm at 25° C	STICK-UP (other parameter)	3.4 value	ft units
4th	6.97 (STD)	4th	886	μm/cm at 25° C	(other parameter)	value	units

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: None Color: Clear Turbidity: Slight

Weather Conditions: Wind Speed 15 mph Direction W to SW Precipitation Y/N Outlook Sunny/Clear

Specific Comments: * INFORMATION NOT YET AVAILABLE / Made avaliable prior to shipment

WELL CONDITION IS GOOD, ACCESS GOOD.

318 - 274.37 = 43.63 (1.02) = 44.50 × 3 = 133.5 gal

Good recharge rate, 3 well casings obtained at 11:10

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

9/11/92 (Date) [signature] (Signature) Employer: SEC Donohue

FMI FF-2A 8/90

Subcontract To: _____

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 1027
Date Sealed 9 2 0 9 0 9 (YY / MM / DD)
Seal # 39321
By: B.N.

SITE/FACILITY # 562 1 SITE NAME: O.S.C.O

Sample Point: W M W 0 5 (Source Code)

SAMPLE DATE: 9 2 0 9 1 0 (YY / MM / DD)

SAMPLE TIME: 9 : 3 0 (2400 HR.) MATRIX CODE: W

Water (W) Soil (S) Leachate (C) Other (X)

Source Codes:

Well (W) Dewatering/Pressure Relief (D) Surface Water Impoundment (I) Leachate System (C) Gas Condensate (M) Air (A) Pretreatment Facility (P) Influent (U) Effluent (T) River/Stream/Brook (R) Lake or Ocean (L) Outfall (O) Soil (S) Bottom Sediment (B) Noise (N) Generation Pt. (G) Other (X) Specify _____

ENS # _____

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y—N	FIELD COMMENTS	E.M.L. COMMENTS
AF6045-A	04	G	HCL/COOL 4	DEG C SB	Y N		
AF6045-B	04	G	NONE/COOL 4	DEG C SB	Y N		
AF6045-C	02	G	H2SO4/COOL 4	DEG C CR	Y N		
AF6045-D	01	P	HNO3	IN	Y N		
AF6045-E	01	P	HNO3	IN	Y N		
AF6045-F	04	G	NONE/COOL 4	DEG C SV	Y N		
AF6045-G	04	G	NONE/COOL 4	DEG C SV	Y N		
AF6045-H	04	G	HCL/COOL 4	DEG C VO	Y N		
AF6045-I	01	G	HCL/COOL 4	DEG C VO	Y N		B.N. 9/9/92 No Bubble
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		

Note: Vial broken, sent Liquid. [illegible] 9/12/92

Note: COC Seal was open, vial was flattened, No Poly Strap [illegible] 9/12/92

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) [illegible] Date: 9 / 9 / 92 Time: [illegible] : [illegible] (2400 HR.)
Signature: [illegible] Seal #: 39321 Intact: Yes

I have received these materials in good condition from the above person.

2. Name: [illegible] Signature: [illegible]
Date: 9 / 10 / 92 Time: 16 : 00 (2400 HR.) Remarks: _____

I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

4. AquaPak™/Sub Contr. # 1027 Sealed By: [illegible] (Print) Date: 9 / 11 / 92 Time: [illegible] : [illegible] (2400 HR.)
Signature: [illegible] Seal #: [illegible] Intact: [illegible]

LAB USE ONLY
Opened By: (Signature) [illegible] Date: 9 / 12 / 92 Time: 9:26 (2400 HR.)
AquaPak™/Sub. Contr. # 1027 Temp.°C 17 Seal # 39260 Intact. _____

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AF6045

Sample Point: WMW05 (Source Code)

FIELD INFORMATION FORM

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
920911	0850	5.4 PW	56.6	174.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated | Y | N | (circle one) Sampling Equipment ..... Dedicated | Y | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A-B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A-B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	A	A-Teflon	D-Polypropylene	F-Silicon	X- 3" Casing TNG Galvanized pipe PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	519.57 (ft/msl)	Land Surface Elevation	517.93 (ft/msl)
Depth to water From top of well casing	273.37 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	~~273.37~~ 246.20 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	330.00 (ft)	Stickup	3.67 (ft)

	ph		spec. cond.		
1st	7.10 (STD)	1st	841 μm/cm at 25° C	Sample Temp.	18.9 (° C)
2nd	7.10 (STD)	2nd	841 μm/cm at 25° C	Well Dia. (other parameter)	5.0 (value) in (units)
3rd	7.10 (STD)	3rd	841 μm/cm at 25° C	(other parameter)	(value) (units)
4th	7.10 (STD)	4th	841 μm/cm at 25° C	(other parameter)	(value) (units)

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: None Color: Clear Turbidity: Slight

Weather Conditions: Wind Speed 15 mph Direction W TO SW Precipitation Y/N Outlook Sunny/Clear

Specific Comments: Well condition is good, access good

Good recharge rate, 3 casings obtained at 9:~~25~~ 20 PW

330 - 273.37 = 56.63 (1.02) = 57.76 × 3 = 173.29 gal

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

9/11/92 (Date) [signature] (Signature) Employer: SEC Donohue

EML FF-2A 4/90

REGION

Chemical Waste Management, Inc.
4227 Technology Drive
Fremont, California 94538-6337
510/651-2464 Fax 510/656-4710

DEC 10 1992

December 09, 1992

Mr. Jeffrey Zelikson
Director
U.S. Environmental Protection Agency
Region IX
75 Hawthorne Street
San Francisco, California 94105

Mr. Dennis Dickerson
Regional Administrator
California Environmental Protection Agency
Region III
1405 North San Fernando Boulevard, Suite 300
Burbank, California 91504

Subject: Oil & Solvent Process Co.
Azusa, California, CAD 008302903
RCRA Facility Investigation Groundwater Analytical Parameters

Gentlemen:

During August, September, and October, 1992, Chemical Waste Management, Inc., (CWM) performed groundwater sampling and analyses at the Oil & Solvent Process Co. (OSCO), Azusa, California. Sampling and analyses proceeded under the RCRA Facility Investigation Phase III activities outlined in the Groundwater Monitoring Workplan dated October 15, 1991, and approved February 15, 1992, by U.S. EPA.

Final analytical results of the three groundwater sampling events were forwarded to the agencies on October 13 and 19, and November 16, 1992.

In accordance with Attachment D, Section E.3.d of OSCO's California Hazardous Waste Facility Permit, and the EPA Part B Permit, CWM is requesting a reduction in the number of analyses for future groundwater sampling events, based on the results of the three months of initial groundwater analyses. Because planning for the January 1993 event is underway, this request is in advance of the issuance of the Final RFI Report, projected for January 16, 1993.

Table 1 summarizes the proposed changes to the number of analyses.

Semi-volatiles, PCBs, pesticides, aluminum, arsenic, cadmium, chromium, copper, lead, mercury, and nickel concentrations have been below reporting limits in all groundwater samples analyzed. CWM proposes eliminating analyses for these parameters.

Barium, manganese, and zinc concentrations have been detected in some groundwater samples. Since the maximum detected barium concentration (Table 2) has been 259 mg/l (MW-04 in August 1992) and is below the U.S. EPA Region IX Drinking Water Standard of 1,000 μg/l, CWM proposes eliminating barium from the list of analytical parameters.

Zinc has been detected once (MW-05 in August 1992) at a concentration of 110 mg/l. Zinc has not been detected above the reporting limit of 20 μg/l (Table 3) at any other time. The Region IX Drinking Water Standard for zinc is 500 μg/l. Therefore, CWM proposes to eliminate zinc from the list of analytical parameters.

Manganese has been detected above the reporting limit of 15 μg/l in eight of the fifteen samples collected (Table 4). The source of manganese is likely dissolution from the silicate igneous sediments of the aquifer. The Region IX Drinking Water Standard for manganese is 50 μg/l. Five of the eight detections have exceeded 50 μg/l, to a maximum of 75 μg/l. However, the mean value of manganese, based on concentrations detected and reporting limits (when manganese is not detected) is 34 μg/l, and since manganese is not a constituent of major concern at OSCO, CWM is requesting manganese be eliminated from the list of analytical parameters.

Total organic carbon (TOC) was detected at concentrations of 5.8 mg/l and 10.2 mg/l in MW-01 and MW-03, respectively, during the August 1992 sampling event (Table 5). However, concentrations in all wells have not exceeded 2.2 mg/l (MW-02 in October 1992) since the initial elevated detections. The TOC analytical method measures various forms of carbon, including: 1) soluble nonvolatile organic carbon; 2) soluble volatile organic carbon; 3) insoluble partially volatile organic carbon; 4) insoluble particulate carbonaceous material; and 5) carbonaceous materials sorbed on inorganic matter. Obviously, the method provides a gross assessment of organic carbon. Since CWM will continue to perform analyses for halogenated and aromatic volatile organic carbon species by Methods 601, 602, and 624, the compounds of primary concern in groundwater at OSCO, CWM requests that TOC be eliminated from the list of analytical parameters.

The January 1993 groundwater sampling event is scheduled for January 7 and 8, 1993. The event is currently being planned between CWM and Waste Management Inc.'s Environmental Monitoring Laboratories. Therefore, we would appreciate your response at the earliest convenience. Please do not hesitate to call me at (510) 651-2964 if you have any questions.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

CHEMICAL WASTE MANAGEMENT, INC.

Marc Yalom, R.G.
Regional Hydrogeologist

MIY/bas

cc: Tom Kelly, EPA-Region IX, San Francisco
Wayne Praskins, EPA-Region IX, San Francisco

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TABLE 1
OIL & SOLVENT PROCESS CO.
Azusa, California

Current and Proposed Groundwater Analytical Parameters

Parameter	Method	Current	Proposed
Purgeable Organic Compounds	8240	✓	✓
Volatile Halogenated Organic Compounds	8010	✓	✓
Volatile Aromatic Organic Compounds	8020	✓	✓
Semivolatile Organic Compounds	8270	✓	
Pesticides and PCBs	8080	✓	
Total Organic Carbon	9060	✓	
Inorganics			
Aluminum	6010	✓	
Arsenic	7061	✓	
Barium	6010	✓	
Cadmium	6010	✓	
Chromium	6010	✓	
Copper	6010	✓	
Lead	6010	✓	
Manganese	6010	✓	
Mercury	7470	✓	
Nickel	6010	✓	
Zinc	6010	✓	

TABLE 2

OIL & SOLVENT PROCESS CO.

Azusa, California

Groundwater Analytical Results

Barium

SITE	DATE	Dissolved Barium ug/l
MW-01	08/10/92	<200
MW-01	09/10/92	<200
MW-01	10/13/92	<200
MW-02	08/10/92	<200
MW-02	09/10/92	<200
MW-02	10/12/92	<200
MW-03	08/10/92	200
MW-03	09/11/92	211
MW-03	10/12/92	212
MW-04	08/13/92	259
MW-04	09/10/92	239
MW-04	10/13/92	203
MW-05	08/13/92	<200
MW-05	09/10/92	<200
MW-05	10/13/92	<200

< = Not detected at indicated reporting limits --- = Not sampled and/or analyzed ( ) = Reported at less than detection limit

All values represent total concentrations unless noted

TABLE 3

OIL & SOLVENT PROCESS CO.

Azusa, California

Groundwater Analytical Results

Zinc

SITE	DATE	Dissolved Zinc ug/l
MW-01	08/10/92	<20
MW-01	09/10/92	<20
MW-01	10/13/92	<20
MW-02	08/10/92	<20
MW-02	09/10/92	<20
MW-02	10/12/92	<20
MW-03	08/10/92	<20
MW-03	09/11/92	<20
MW-03	10/12/92	<20
MW-04	08/13/92	<20
MW-04	09/10/92	<20
MW-04	10/13/92	<20
MW-05	08/13/92	110
MW-05	09/10/92	<20
MW-05	10/13/92	<20

< = Not detected at indicated reporting limits --- = Not sampled and/or analyzed ( ) = Reported at less than detection limit

All values represent total concentrations unless noted

TABLE 4

OIL & SOLVENT PROCESS CO.
Azusa, California

Groundwater Analytical Results
Manganese

SITE	DATE	Dissolved Manganese ug/l
MW-01	08/10/92	<15
MW-01	09/10/92	<15
MW-01	10/13/92	<15
MW-02	08/10/92	75
MW-02	09/10/92	64.9
MW-02	10/12/92	55.3
MW-03	08/10/92	<15
MW-03	09/11/92	<15
MW-03	10/12/92	<15
MW-04	08/13/92	55.4
MW-04	09/10/92	33.9
MW-04	10/13/92	<15
MW-05	08/13/92	60.6
MW-05	09/10/92	31.2
MW-05	10/13/92	33.7

< = Not detected at indicated reporting limits --- = Not sampled and/or analyzed ( ) = Reported at less than detection limit
All values represent total concentrations unless noted

TABLE 5

OIL & SOLVENT PROCESS CO.
Azusa, California

Groundwater Analytical Results
Total Organic Carbon

SITE	DATE	Total organic carbon mg/l
MW-01	08/10/92	5.8
MW-01	09/10/92	<1
MW-01	10/13/92	1.9
MW-02	08/10/92	<1
MW-02	09/10/92	<1
MW-02	10/12/92	2.2
MW-03	08/10/92	10.2
MW-03	09/11/92	1.4
MW-03	10/12/92	1.3
MW-04	08/13/92	<1
MW-04	09/10/92	<1
MW-04	10/13/92	<1
MW-05	08/13/92	<1
MW-05	09/10/92	<1
MW-05	10/13/92	<1

< = Not detected at indicated reporting limits --- = Not sampled and/or analyzed ( ) = Reported at less than detection limit
All values represent total concentrations unless noted

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

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RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

Chemical Waste Management, Inc.

4227 Technology Drive
Fremont, California 94538-6337
510/651-2964 Fax: 510/656-4926

NOV 20 1992

November 16, 1992

Mr. Jeffrey Zelikson
Director
U.S. Environmental Protection Agency
Region IX
75 Hawthorne Street
San Francisco, CA 94105

Mr. Dennis Dickerson
Regional Administrator
Cal EPA, Department of Toxic Substances Control
Region III
1405 North San Fernando Boulevard
Suite 300
Burbank, CA 91504

Subject: Oil and Solvent Process Company, Azusa, California - CAD008302903
Groundwater Sampling Analytical Results

Gentlemen:

In accordance with our meeting of Monday, December 23, 1991, with Messrs. Wayne Praskins and Thomas Kelly of U.S. EPA, and our follow-up letter dated January 14, 1992, Chemical Waste Management, Inc., (CWM) herein forwards two reports of analytical results for groundwater samples collected at the subject facility on October 12 and 13, 1992. The report dated November 10, 1992, contains the analytical results of groundwater samples, while the report dated October 23, 1992, presents quality control results.

It is our understanding that these results will be used exclusively by U.S. Environmental Protection Agency/California Environmental Protection Agency, and will be released to outside parties *only* after interpretation by CWM in the Final RCRA Facility Investigation Report.

Printed on recycled paper

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Please call me at (510) 651-2964 if have any questions.

Sincerely,

CHEMICAL WASTE MANAGEMENT, INC.

Marc Yalom, R.G.
Regional Hydrogeologist

MIY/bas

Attachment

WMI Environmental Monitoring Laboratories, Inc.

Analytical Report Transmittal Memorandum

NOV 1992
RECEIVED
Western Region
Environmental
Mgt. Dept.
C.W.M.I.

Date: November 10, 1992

To: Client(s) - see below

From: Dave Lundquist

Subject: O.S.C.O. 92-12442

Please find enclosed the current Client Report, Field Information Forms, and Field Chain-of-Custody Records for the recently completed event at O.S.C.O..

The data has been thoroughly reviewed and compared to historical data. We have tried to provide a report that is complete and of known and documented quality. Please take a moment to review the enclosed report to insure it meets your expectations.

If you have any questions, don't hesitate to call Donna Bierschenk at (708)208-3100.

Report Distribution:

Name	Report Type
Marc Yalom*	ALL +Diskette

* *Program Manager*

WMI Environmental Monitoring Laboratories, Inc.
2100 Cleanwater Drive
Geneva, Illinois 60134
708/208-3100

A Waste Management Company

Enclosed are the analytical results for samples received from your facility. The results in the Client Report are for a single ENS (Event Notification System) number only. The sampling event at your facility may include multiple ENS numbers. A separate Client Report will be generated for each one.

It is the goal of WMI Environmental Monitoring Laboratories, Inc. to provide analytical data in a timely fashion, formatted in a way that our clients will find most useful.

If you have any questions concerning the form or content of this report, please contact the WMI EML Customer Operations Department:

Main Number (708) 208-3100
FAX Number (708) 208-1175

Note: Two designations may appear in the results column of your Client Report: NA or ND.

The designation NA (for "Not Analyzed") is used to identify analytes which were requested in the monitoring program, but for which no suitable testing methodology exists. NA may also indicate a dry well, broken sample bottle, insufficient sample volume, or other condition which precludes analysis for a sample.

The designation ND (for "Not Detected") is used to indicate that the analyte of interest was not found at or above the concentration listed under the EMLRL (EML Reporting Limit) heading.

Unless otherwise indicated, all analytes meet the requirements of holding time as specified in the method.

Deborah C. Hockman, Ph.D.

Deborah C. Hockman, Ph.D.
President
WMI Environmental Monitoring Laboratories, Inc.

Printed on recycled paper.

Data Qualifier Comment Code Definitions

AR: Acid surrogate recoveries did not meet the acceptance criteria of the method. Oxidation degradation due to sample matrix was confirmed.

BB: Broken bottle.

BL: The method blank concentration associated with this analyte did not meet the acceptance criteria of the method.

CX: The concentration of this compound exceeded the calibration used for this analysis. The concentration reported is estimated.

CU: Co-elution with another compound interferes with the quantitation of this compound. The concentration reported is estimated.

DL: The sample was diluted during analysis. Reporting limits have been adjusted where necessary.

DP: This sample was analyzed in duplicate. The relative percent difference between the two results did not meet the acceptance criteria of the method.

DW: Dry well

HS: The headspace in this sample bottle exceeded 6 millimeters.

IS: The internal standard recoveries associated with this analysis did not meet the acceptance criteria of the method.

IV: The bottle did not contain enough sample to perform the analysis.

MP: 3-methylhphenol and 4-methylphenol co-elute under the analytical conditions of the method, and can not be differentiated solely on the basis of their mass spectra. The concentrations reported may be either or both isomers.

MX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was in control. The result reported may therefore be affected by matrix interferences.

NN: N-nitrosodiphenylamine can not be distinguished from diphenylamine using gas chromatography. The concentrations reported may be either or both compounds.

NQ: No standard qualifier code is in use for this qualification. See the associated comment.

NS: There was not enough sample to repeat this analysis.

PL: This result may be a product of contamination from phthalate plasticizers, which are a common lab contaminant.

PX: This sample required preservation in the field to a pH of less than 2. The pH was checked after receipt at the lab, and did not have a pH of less than 2.

PY: This sample required preservation in the field to a pH of 4 to 5. The pH was checked after receipt at the lab, and did not have a pH of 4 to 5.

PZ: This sample required preservation in the field to a pH of 12 or greater. The pH was checked after receipt at the lab, and did not have a pH of 12 or greater.

QX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was out-of-control. The analytical result for this parameter in the unspiked sample is suspect and may not be reported for regulatory compliance purposes.

RA: Acid surrogate recoveries associated with this analysis did not meet the acceptance criteria of the method.

RB: Base/neutral surrogate recoveries associated with this analysis did not meet the acceptance criteria of the method.

SB: The analysis of this sample was performed by an approved subcontract laboratory.

ST: This compound is not stable in acidic water.

SU: The analysis of the surrogate with this sample did not meet the acceptance criteria of the method.

TX: The analysis for this parameter was conducted after the holding time specified in the method.

UN: This compound is not stable under the conditions of the analysis.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AF6053

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	278.93		FT		FDWDTWTC01
GROUNDWATER ELEV.	241.43		FT MSL		FDWGWELWDT
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	NA		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	318.00		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP01
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP01
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	203	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	ND	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	320	5.000	UG/L		SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	33	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	160	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	94	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROEENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	10.000	UG/L		SBGCFAA101
BENZENE	ND	1.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	2.2	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	21	5.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,2-DICHLOROBENZENE	SURROGATE RECOVERY OUTSIDE OF LIMITS FOR THIS METHOD DUE TO SAMPLE MATRIX INTERFERENCE. CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AF6053

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	620	5.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	820	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AF6053

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L	NN	SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	250.000	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	450.	250.000	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	250.000	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	250.000	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	250.000	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	400.	250.000	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	250.000	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	ND	250.000	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	250.000	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	250.000	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	250.000	UG/L		VOMSBA0322
2-BUTANONE	ND	500.000	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	1000.000	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	500.000	UG/L		VOMSBA0322
ACETONE	ND	1700.000	UG/L		VOMSBA0322
BENZENE	ND	50.000	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	250.000	UG/L		VOMSBA0322
BROMOFORM	ND	250.000	UG/L		VOMSBA0322
BROMOMETHANE	ND	250.000	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	61.	50.000	UG/L		VOMSBA0322
CHLOROBENZENE	ND	250.000	UG/L		VOMSBA0322
CHLOROETHANE	ND	500.000	UG/L		VOMSBA0322
CHLOROFORM	ND	250.000	UG/L		VOMSBA0322
CHLOROMETHANE	ND	500.000	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	250.000	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	250.000	UG/L		VOMSBA0322
ETHYLBENZENE	ND	250.000	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	250.000	UG/L		VOMSBA0322
O-XYLENE	ND	250.000	UG/L		VOMSBA0322
TETRACHLOROETHENE	680.	250.000	UG/L		VOMSBA0322
TOLUENE	ND	250.000	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	250.000	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	250.000	UG/L		VOMSBA0322
TRICHLOROETHENE	1600.	250.000	UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOMSBA0322	Dilution factor 50 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AF6053

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
TRICHLOROFLUOROMETHANE	ND	250.000	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	500.000	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AF6054

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	287.15		FT		FDWDTWTC01
GROUNDWATER ELEV.	242.05		FT MSL		FDWGWELWDT
PH FIELD	7.40		PH UNITS		FDPHQUAD01
PH FIELD	7.38		PH UNITS		FDPHQUAD01
PH FIELD	7.43		PH UNITS		FDPHQUAD01
PH FIELD	7.48		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	771.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	698.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	653.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	757.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	18.0		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	335.00		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	1.8	1.000	MG/L		CRTOCDUP01
TOTAL ORGANIC CARBON	1.9	1.000	MG/L		CRTOCDUP01
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	ND	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	ND	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	140	5.000	UG/L		SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	120	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	10.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	ND	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	ND	5.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,2-DICHLOROBENZENE	SURROGATE RECOVERY OUTSIDE OF LIMITS FOR THIS METHOD DUE TO SAMPLE MATRIX INTERFERENCE. CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AF6054

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	150	5.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	260	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AF6054

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L	NN	SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	35.700	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	130.	35.700	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	35.700	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	35.700	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	35.700	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	120.	35.700	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	35.700	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	ND	35.700	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	35.700	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	35.700	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	35.700	UG/L		VOMSBA0322
2-BUTANONE	ND	71.400	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	142.800	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	71.400	UG/L		VOMSBA0322
ACETONE	ND	242.760	UG/L		VOMSBA0322
BENZENE	ND	7.140	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	35.700	UG/L		VOMSBA0322
BROMOFORM	ND	35.700	UG/L		VOMSBA0322
BROMOMETHANE	ND	35.700	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	24.	7.140	UG/L		VOMSBA0322
CHLOROBENZENE	ND	35.700	UG/L		VOMSBA0322
CHLOROETHANE	ND	71.400	UG/L		VOMSBA0322
CHLOROFORM	ND	35.700	UG/L		VOMSBA0322
CHLOROMETHANE	ND	71.400	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	35.700	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	35.700	UG/L		VOMSBA0322
ETHYLBENZENE	ND	35.700	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	35.700	UG/L		VOMSBA0322
O-XYLENE	ND	35.700	UG/L		VOMSBA0322
TETRACHLOROETHENE	130.	35.700	UG/L		VOMSBA0322
TOLUENE	ND	35.700	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	35.700	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	35.700	UG/L		VOMSBA0322
TRICHLOROETHENE	240.	35.700	UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOMSBA0322	Dilution factor 7.14 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AF6054

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
TRICHLOROFLUOROMETHANE	ND	35.700	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	71.400	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW02
Sample Type: WELL
Sample Number: AF6055

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 12-OCT-1992
Received: 14-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	281.14		FT		FDWDTWTC01
GROUNDWATER ELEV.	244.44		FT MSL		FDWGWELWDT
PH FIELD	7.32		PH UNITS		FDPHQUAD01
PH FIELD	7.21		PH UNITS		FDPHQUAD01
PH FIELD	7.36		PH UNITS		FDPHQUAD01
PH FIELD	7.44		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	731.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	729.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	734.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	762.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	20.0		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	328.00		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	2.2	1.000	MG/L		CRTOCDUP01
TOTAL ORGANIC CARBON	2.1	1.000	MG/L		CRTOCDUP01
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	ND	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	55.3	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	1100	50.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	630	50.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	50.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	100.000	UG/L		SBGCFAA101
BENZENE	1.2	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	50.000	UG/L		SBGCFAA101
BROMOFORM	ND	50.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	100.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	50.000	UG/L		SBGCFAA101
CHLOROBENZENE	1	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	100.000	UG/L		SBGCFAA101
CHLOROFORM	ND	50.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	100.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	60.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	50.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	100.000	UG/L		SBGCFAA101

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	CAL ENSECO
1,2-DICHLOROBENZENE	SURROGATE RECOVERY OUTSIDE OF LIMITS FOR THIS METHOD DUE TO SAMPLE MATRIX INTERFERENCE. CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW02
Sample Type: WELL
Sample Number: AF6055

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 12-OCT-1992
Received: 14-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	50.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	4500	50.000	UG/L		SBGCFAA101
TOLUENE	1	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	50.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	50.000	UG/L		SBGCFAA101
TRICHLOROETHENE	3100	50.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	100.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	100.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW02
Sample Type: WELL
Sample Number: AF6055

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 12-OCT-1992
Received: 14-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L	NN	SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	770.000	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	1200.	770.000	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	770.000	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	770.000	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	770.000	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	1200.	770.000	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	770.000	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	ND	770.000	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	770.000	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	770.000	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	770.000	UG/L		VOMSBA0322
2-BUTANONE	ND	1540.000	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	3080.000	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	1540.000	UG/L		VOMSBA0322
ACETONE	ND	5236.000	UG/L		VOMSBA0322
BENZENE	ND	154.000	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	770.000	UG/L		VOMSBA0322
BROMOFORM	ND	770.000	UG/L		VOMSBA0322
BROMOMETHANE	ND	770.000	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	154.000	UG/L		VOMSBA0322
CHLOROBENZENE	ND	770.000	UG/L		VOMSBA0322
CHLOROETHANE	ND	1540.000	UG/L		VOMSBA0322
CHLOROFORM	ND	770.000	UG/L		VOMSBA0322
CHLOROMETHANE	ND	1540.000	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	770.000	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	770.000	UG/L		VOMSBA0322
ETHYLBENZENE	ND	770.000	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	770.000	UG/L		VOMSBA0322
O-XYLENE	ND	770.000	UG/L		VOMSBA0322
TETRACHLOROETHENE	6000.	770.000	UG/L		VOMSBA0322
TOLUENE	ND	770.000	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	770.000	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	770.000	UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOMSBA0322	Dilution factor 154 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW02
Sample Type: WELL
Sample Number: AF6055

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 12-OCT-1992
Received: 14-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
TRICHLOROETHENE	4400.	770.000	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	770.000	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	1540.000	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AF6052

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 12-OCT-1992
Received: 15-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	277.23		FT		FDWDTWTC01
GROUNDWATER ELEV.	241.70		FT MSL		FDWGWELWDT
PH FIELD	7.08		PH UNITS		FDPHQUAD01
PH FIELD	7.07		PH UNITS		FDPHQUAD01
PH FIELD	7.07		PH UNITS		FDPHQUAD01
PH FIELD	7.09		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	765.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	803.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	727.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	844.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	19.6		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	319.50		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	1.3	1.000	MG/L		CRTOCDUP01
TOTAL ORGANIC CARBON	1.2	1.000	MG/L		CRTOCDUP01
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	212	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	ND	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	370	5.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	14	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	210	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	15	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	10.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	.61	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	12	5.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	CAL ENSECO
1,2-DICHLOROBENZENE	SURROGATE RECOVERY OUTSIDE OF LIMITS FOR THIS METHOD DUE TO SAMPLE MATRIX INTERFERENCE. CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AF6052

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 12-OCT-1992
Received: 15-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	1100	5.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	930	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AF6052

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 12-OCT-1992
Received: 15-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L	NN	SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	166.650	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	420.	166.650	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	166.650	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	166.650	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	166.650	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	360.	166.650	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	166.650	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	ND	166.650	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	166.650	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	166.650	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	166.650	UG/L		VOMSBA0322
2-BUTANONE	ND	333.300	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	666.600	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	333.300	UG/L		VOMSBA0322
ACETONE	ND	1133.220	UG/L		VOMSBA0322
BENZENE	ND	33.330	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	166.650	UG/L		VOMSBA0322
BROMOFORM	ND	166.650	UG/L		VOMSBA0322
BROMOMETHANE	ND	166.650	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	33.330	UG/L		VOMSBA0322
CHLOROBENZENE	ND	166.650	UG/L		VOMSBA0322
CHLOROETHANE	ND	333.300	UG/L		VOMSBA0322
CHLOROFORM	ND	166.650	UG/L		VOMSBA0322
CHLOROMETHANE	ND	333.300	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	166.650	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	166.650	UG/L		VOMSBA0322
ETHYLBENZENE	ND	166.650	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	166.650	UG/L		VOMSBA0322
O-XYLENE	ND	166.650	UG/L		VOMSBA0322
TETRACHLOROETHENE	1100.	166.650	UG/L		VOMSBA0322
TOLUENE	ND	166.650	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	166.650	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	166.650	UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOMSBA0322	Dilution factor 33.33 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AF6052

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 12-OCT-1992
Received: 15-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
TRICHLOROETHENE	1100.	166.650	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	166.650	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	333.300	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AF6056

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	278.93		FT		FDWDTWTC01
GROUNDWATER ELEV.	241.43		FT MSL		FDWGWELWDT
PH FIELD	7.13		PH UNITS		FDPHQUAD01
PH FIELD	7.12		PH UNITS		FDPHQUAD01
PH FIELD	7.12		PH UNITS		FDPHQUAD01
PH FIELD	7.13		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	971.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	902.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	881.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	966.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	17.9		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	318.00		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP01
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP01
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	203	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	ND	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	270	5.000	UG/L		SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	19	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	190	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	51	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	10.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	1.5	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	11	5.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,2-DICHLOROBENZENE	SURROGATE RECOVERY OUTSIDE OF LIMITS FOR THIS METHOD DUE TO SAMPLE MATRIX INTERFERENCE. CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AF6056

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	1200	5.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	710	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AF6056

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L	NN	SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	166.650	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	270.	166.650	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	166.650	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	166.650	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	166.650	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	210.	166.650	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	166.650	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	ND	166.650	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	166.650	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	166.650	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	166.650	UG/L		VOMSBA0322
2-BUTANONE	ND	333.300	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	666.600	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	333.300	UG/L		VOMSBA0322
ACETONE	ND	1133.220	UG/L		VOMSBA0322
BENZENE	ND	33.330	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	166.650	UG/L		VOMSBA0322
BROMOFORM	ND	166.650	UG/L		VOMSBA0322
BROMOMETHANE	ND	166.650	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	33.330	UG/L		VOMSBA0322
CHLOROBENZENE	ND	166.650	UG/L		VOMSBA0322
CHLOROETHANE	ND	333.300	UG/L		VOMSBA0322
CHLOROFORM	ND	166.650	UG/L		VOMSBA0322
CHLOROMETHANE	ND	333.300	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	166.650	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	166.650	UG/L		VOMSBA0322
ETHYLBENZENE	ND	166.650	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	166.650	UG/L		VOMSBA0322
O-XYLENE	ND	166.650	UG/L		VOMSBA0322
TETRACHLOROETHENE	1000.	166.650	UG/L		VOMSBA0322
TOLUENE	ND	166.650	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	166.650	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	166.650	UG/L		VOMSBA0322
TRICHLOROETHENE	850.	166.650	UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOMSBA0322	Dilution factor 33.33 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AF6056

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
TRICHLOROFLUOROMETHANE	ND	166.650	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	333.300	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AF6057

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	278.15		FT		FDWDTWTC01
GROUNDWATER ELEV.	241.42		FT MSL		FDWGWELWDT
PH FIELD	7.15		PH UNITS		FDPHQUAD01
PH FIELD	7.13		PH UNITS		FDPHQUAD01
PH FIELD	7.15		PH UNITS		FDPHQUAD01
PH FIELD	7.09		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	904.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	828.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	911.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	919.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	17.9		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	330.00		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP01
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP01
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	ND	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	33.7	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	320	5.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	28	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	93	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	31	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	10.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	1.4	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	5.2	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	7.1	5.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	CAL ENSECO
1,2-DICHLOROBENZENE	SURROGATE RECOVERY OUTSIDE OF LIMITS FOR THIS METHOD DUE TO SAMPLE MATRIX INTERFERENCE. CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AF6057

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	390	5.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	290	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AF6057

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L	NN	SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	66.650	UG/L		VOMSBAO322
1,1,1-TRICHLOROETHANE	390.	66.650	UG/L		VOMSBAO322
1,1,2,2-TETRACHLOROETHANE	ND	66.650	UG/L		VOMSBAO322
1,1,2-TRICHLOROETHANE	ND	66.650	UG/L		VOMSBAO322
1,1-DICHLOROETHANE	ND	66.650	UG/L		VOMSBAO322
1,1-DICHLOROETHENE	ND	66.650	UG/L		VOMSBAO322
1,2-DICHLOROBENZENE	ND	66.650	UG/L		VOMSBAO322
1,2-DICHLOROETHANE	ND	66.650	UG/L		VOMSBAO322
1,2-DICHLOROPROPANE	ND	66.650	UG/L		VOMSBAO322
1,3-DICHLOROBENZENE	ND	66.650	UG/L		VOMSBAO322
1,4-DICHLOROBENZENE	ND	66.650	UG/L		VOMSBAO322
2-BUTANONE	ND	133.300	UG/L		VOMSBAO322
2-CHLOROETHYLVINYL ETHER	ND	266.600	UG/L	ST	VOMSBAO322
4-METHYL-2-PENTANONE	ND	133.300	UG/L		VOMSBAO322
ACETONE	ND	453.220	UG/L		VOMSBAO322
BENZENE	ND	13.330	UG/L		VOMSBAO322
BROMODICHLOROMETHANE	ND	66.650	UG/L		VOMSBAO322
BROMOFORM	ND	66.650	UG/L		VOMSBAO322
BROMOMETHANE	ND	66.650	UG/L		VOMSBAO322
CARBON TETRACHLORIDE	40.	13.330	UG/L		VOMSBAO322
CHLOROBENZENE	ND	66.650	UG/L		VOMSBAO322
CHLOROETHANE	ND	133.300	UG/L		VOMSBAO322
CHLOROFORM	ND	66.650	UG/L		VOMSBAO322
CHLOROMETHANE	ND	133.300	UG/L		VOMSBAO322
CIS-1,3-DICHLOROPROPENE	ND	66.650	UG/L		VOMSBAO322
DIBROMOCHLOROMETHANE	ND	66.650	UG/L		VOMSBAO322
ETHYLBENZENE	ND	66.650	UG/L		VOMSBAO322
METHYLENE CHLORIDE	ND	66.650	UG/L		VOMSBAO322
O-XYLENE	ND	66.650	UG/L		VOMSBAO322
TETRACHLOROETHENE	440.	66.650	UG/L		VOMSBAO322
TOLUENE	ND	66.650	UG/L		VOMSBAO322
TRANS-1,2-DICHLOROETHENE	ND	66.650	UG/L		VOMSBAO322
TRANS-1,3-DICHLOROPROPENE	ND	66.650	UG/L		VOMSBAO322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
VOMSBAO322	Dilution factor 13.33 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AF6057

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 15-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
TRICHLOROETHENE	350.	66.650	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	66.650	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	133.300	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: TBK-MW01
Sample Type: WELL
Sample Number: AF6054

ENS: 92-12442
MP: 562921
REV: 01

Sampled: 13-OCT-1992
Received: 14-OCT-1992
Reported: 9-NOV-1992

Analyte	Result	EML RL	Units	Comments	Method
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	10.000	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	ND	5.000	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	5.000	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBA0322
2-BUTANONE	ND	10.000	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	20.000	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	10.000	UG/L		VOMSBA0322
ACETONE	ND	34.000	UG/L		VOMSBA0322
BENZENE	ND	5.000	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	5.000	UG/L		VOMSBA0322
BROMOFORM	ND	5.000	UG/L		VOMSBA0322
BROMOMETHANE	ND	10.000	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	5.000	UG/L		VOMSBA0322
CHLOROBENZENE	ND	5.000	UG/L		VOMSBA0322
CHLOROETHANE	ND	10.000	UG/L		VOMSBA0322
CHLOROFORM	ND	5.000	UG/L		VOMSBA0322
CHLOROMETHANE	ND	10.000	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		VOMSBA0322
ETHYLBENZENE	ND	5.000	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	5.000	UG/L		VOMSBA0322
O-XYLENE	ND	10.000	UG/L		VOMSBA0322
TETRACHLOROETHENE	ND	5.000	UG/L		VOMSBA0322
TOLUENE	ND	5.000	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	10.000	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		VOMSBA0322
TRICHLOROETHENE	ND	5.000	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	10.000	UG/L		VOMSBA0322

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Subcontract To: _____

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 689
Date Sealed 921009 (YY / MM / DD)
Seal # 2650
By: [illegible]

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: W D U P (Source Code)

SAMPLE DATE: - 921013 (YY / MM / DD)

SAMPLE TIME: 12:08 (2400 HR.) MATRIX CODE: W

Water ..... (W) Leachate ..... (C)
Soil ..... (S) Other ..... (X)

Source Codes:

Well ..... (W)	Leachate System .. (C)	Pretreatment Facility ... (P)	River/Stream/Brook .. (R)	Soil ..... (S)	Generation Pt. .... (G)
Dewatering/Pressure Relief .... (D)	Gas Condensate ... (M)	Influent ..... (U)	Lake or Ocean ..... (L)	Bottom Sediment ... (B)	Other ..... (X)
Surface Water Impoundment ... (I)	Air ..... (A)	Effluent ..... (T)	Outfall ..... (O)	Noise ..... (N)	Specify _____

ENS # 92-12442

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AF6053-A	04	G	HCL/COOL 4 DEG C	SB	Y N		
AF6053-B	04	G	NONE/COOL 4 DEG C	SB	Y N		
[illegible]	02	[illegible]	H2SO4/COOL 4 DEG C	CR	Y N		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y N		
AF6053-E	01	P	HNO3	IN	Y N		
AF6053-F	02	G	NONE/COOL 4 DEG C	SV	Y N		
AF6053-G	02	G	NONE/COOL 4 DEG C	SV	Y N		
AF6053-H	04	G	HCL/COOL 4 DEG C	VO	Y N		
AF6053-I	01	G	HCL/COOL 4 DEG C	VO	Y N		[illegible]
					Y N		[illegible]
					Y N		
POLY STRAP INTACT PAPER SEAL 1423 ON BAG INSIDE (CONTAINING SAMPLES)					Y N		
A/P [illegible] 10-14-92					Y N		
					Y N		
					Y N		
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) Debbie Wilson Date: 10/8/92 Time: 13:15 (2400 HR.)
Signature: Debbie Wilson Seal #: 2650 Intact: yes

I have received these materials in good condition from the above person.

2. Name: _____ Signature: _____
Date: / / Time: _____ (2400 HR.) Remarks: _____

I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
Date: / / Time: _____ (2400 HR.) Remarks: _____

AquaPak™ Sub Contr # [illegible] Date: [illegible] Time: [illegible] (2400 HR.)
Signature: [illegible] Seal #: [illegible] Intact: [illegible]

WMI Environmental Monitoring Laboratories

FIELD INFORMATION FORM

Site # 562

Bottle Set: AF6053

Sample Point: W DUP (Source Code)

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
921013	11.55	.2	39.0	125.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- SS screen TNC Galvanized Pipe PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination Teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 µ	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	520.36 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	278.93 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	241.43 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	318.00 (ft)	Stickup	(ft)

1st ph (STD)	1st spec. cond. µm/cm at 25° C	Sample Temp. (° C)			
2nd ph (STD)	2nd spec. cond. µm/cm at 25° C	Well Dia (other parameter)	5.0 value	in units	
3rd ph (STD)	3rd spec. cond. µm/cm at 25° C	Stick-up (other parameter)	3.4 value	Ft units	
4th ph (STD)	4th spec cond. µm/cm at 25° C	(other parameter)	value	units	

FIELD COMMENTS

Sample Appearance: (if applicable) Odor: None Color: Clear Turbidity: Slight

Weather Conditions: Wind Speed 15 mph Direction S to SW Precipitation Y/N Outlook Hazy

Specific Comments: Well condition is good, access good.

318 - 278.93 = 39.07 (1.02) = 39.8 (3) = 119.5 gal

Sample point W DUP was obtained at MW04.

Good recharge rate / [illegible] cas[illegible] obtained at 12:08

Subcontract To:

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP	
AquaPak™ #	0343
Date Sealed (YY / MM / DD)	92 10 07
Seal #	2652
By:	OO

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: W M W 0 1 (Source Code)

B A R C O D E

SAMPLE DATE: - 9 2 1 0 1 3 (YY / MM / DD)

SAMPLE TIME: 1 8 : 5 5 (2400 HR.) MATRIX CODE: W

Water .... (W) Leachate .... (C)
Soil .... (S) Other .... (X)

Source Codes:

Well .... (W) Leachate System .. (C) Pretreatment Facility ... (P) River/Stream/Brook .. (R) Soil .... (S) Generation Pt. .... (G)
Dewatering/Pressure Relief .... (D) Gas Condensate ... (M) Influent .... (U) Lake or Ocean ..... (L) Bottom Sediment ... (B) Other .... (X)
Surface Water Impoundment ... (I) Air .... (A) Effluent .... (T) Outfall .... (O) Noise .... (N) Specify

ENS # 92-12442

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	LAB COMMENTS
[illegible]	04	G	[illegible]	[illegible]	Y / (N)		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y / (N)		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	(Y) / N		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	(Y) / N		
[illegible]	01	[illegible]	[illegible]	[illegible]	(Y) / N		
[illegible] F	02	G	[illegible]	[illegible] SV	Y / (N)		
[illegible] G	02	G	[illegible]	[illegible] SV	Y / (N)		
[illegible] H	04	G	HCL/COOL	[illegible] VO	Y / (N)		
[illegible] I	01	G	HCL/COOL	[illegible] VO	Y / (N)		12-10-92
					Y / N		
					Y / N		[illegible]
					Y / N		[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	Y / N		
					Y / N		
					Y / N		
					Y / N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) Debbie Wilson Date: 10/8/92 Time: 13:30 (2400 HR.)
Signature: Debbie Wilson Seal #: 2652 Intact: yes

I have received these materials in good condition from the above person.

2. Name: TERRY McPHERSON Signature: Terry McPherson
Date: 10/13/92 Time: 9 [illegible] (2400 HR.) Remarks:

I have received these materials in good condition from the above person.

3. Name: Signature:
Date: / / Time: (2400 HR.) Remarks:

AquaPak Sub Contr # [illegible]

[illegible]

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AF6054

Sample Point: wmw01 (Source Code)

FIELD INFORMATION FORM

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
921013	0825	3	478	1470

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- 33. Screen PVC-3x4 Geolum 2cc pipe PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			

Filtering Device 0.45 µ A Inline disposable B-Pressure C-Vacuum

FIELD MEASUREMENTS

Well Elevation	5290 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	287.15 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	242.05 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	335.00 (ft)	Stickup	(ft)

1st	7.48 (STD) ph	1st	757 µm/cm at 25° C spec. cond.	Sample Temp.	18.0 (° C)			
2nd	DW 7.43 (STD) ph	2nd	653 µm/cm at 25° C spec. cond.	Well Dia (other parameter)	5.0 value	in units		
3rd	7.38 (STD) ph	3rd	698 µm/cm at 25° C spec. cond.	Stick-up (other parameter)	3.4 value	ft units		
4th	7.40 (STD) ph	4th	771 µm/cm at 25° C spec cond.	(other parameter)	value	units		

FIELD COMMENTS

Sample Appearance: (if applicable) Odor: None Color: Clear Turbidity: Slight

Weather Conditions: Wind Speed 15 mph Direction S Precipitation Y/N Outlook Hazy

Specific Comments: Well condition is good access good

335 − 287.15' = (47.85)(1.02) = (48.8)(3) = 146.4 gal

Finished purging 8:45 / Good recovery [illegible]

Subcontract To: _____

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 523
Date Sealed 92/10/12 (YY / MM / DD)
Seal # 1404
By: [illegible]

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: W M W O 2 (Source Code)

B A R C O D E

SAMPLE DATE: - 92/10/12 (YY / MM / DD)

SAMPLE TIME: 13:50 (2400 HR.) MATRIX CODE: W

Water ..... (W) Leachate ..... (C)
Soil ..... (S) Other ..... (X)

Source Codes:

Well ..... (W)	Leachate System .. (C)	Pretreatment Facility ... (P)	River/Stream/Brook .. (R)	Soil ..... (S)	Generation Pt. .... (G)
Dewatering/Pressure Relief .... (D)	Gas Condensate ... (M)	Influent ..... (U)	Lake or Ocean ..... (L)	Bottom Sediment ... (B)	Other ..... (X)
Surface Water Impoundment ... (I)	Air ..... (A)	Effluent ..... (T)	Outfall ..... (O)	Noise ..... (N)	Specify _____

ENS # 92-12442

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
[illegible]	04	G	HCL/COOL 4	DEG C SB	Y N		
[illegible]	04	[illegible]	NONE/COOL 4	DEG C SB	Y N		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y N		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y N		
[illegible]	01	[illegible]	[illegible]	[illegible]	Y N		
[illegible]	02	[illegible]	NONE/COOL 4	DEG C [illegible]	Y N		
[illegible]	02	[illegible]	NONE/COOL 4	DEG C [illegible]	Y N		
[illegible]	04	[illegible]	HCL/COOL 4	DEG C VO	Y N		
[illegible]	01	[illegible]	HCL/COOL 4	DEG C VO	Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		

92

10-14-92

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) Debbie Wilson Date: 10/8/92 Time: 13:40 (2400 HR.)
Signature: Debbie Wilson Seal #: 1404 Intact: yes

I have received these materials in good condition from the above person.

2. Name: Terry McP[illegible] Signature: TERRY McPHETRIDGE
Date: 10/13/92 Time: 7 (2400 HR.) Remarks: _____

I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
Date: / / Time: _____ (2400 HR.) Remarks: _____

AquaPak™ Seal Code: [illegible] Seal [illegible] Date [illegible] Time [illegible]
Signature [illegible] Seal # [illegible] Intact [illegible]

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AF6055

FIELD INFORMATION FORM

Sample Point: WMW02 (Source Code)

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
921012	13.03	.7	47.8	145.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- ss. screen TNC Galvanized Pipe PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			

Filtering Devices 0.45 µ: A A-In-line Disposable B-Pressure C-Vacuum

FIELD MEASUREMENTS

Well Elevation	525.58 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	281.14 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	244.44 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	328.00 (ft)	Stickup	(ft)

1st	7.44 (STD) ph	1st	762 µm/cm at 25° C spec. cond.	Sample Temp.	20.0 (° C)
2nd	7.36 (STD) ph	2nd	734 µm/cm at 25° C spec. cond.	Well Dia (other parameter)	5.0 value in units
3rd	7.21 (STD) ph	3rd	729 µm/cm at 25° C spec. cond.	Stick-up (other parameter)	2.4 value FT units
4th	7.32 (STD) ph	4th	731 µm/cm at 25° C spec cond.	(other parameter)	value units
5th	7.32		729		

FIELD COMMENTS

Sample Appearance: (if applicable) Odor: None Color: Clear Turbidity: Slight

Weather Conditions: Wind Speed 6-15 mph Direction SW to W Precipitation Y/N Outlook Hazy

Specific Comments: Well condition is good, access good.

Volume purged: 328 - 281.14 = (46.86)(1.02) = (47.80)(3) = 143.4 gal

13:47 finished purging / Good recharge rate

Subcontract To: _____

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 592
Date Sealed 92 10 09
YY / MM / DD
Seal # 2651
By: [illegible]

SITE/FACILITY # 562 SITE NAME: O'S.C.O

Sample Point: W M W 0 3
Source Code

B A R C O D E

SAMPLE DATE: - 9 2 1 0 1 2
YY / MM / DD

SAMPLE TIME: 1 5 : 4 5 (2400 HR.) MATRIX CODE: W

Water ..... (W) Leachate ..... (C)
Soil ..... (S) Other ..... (X)

Source Codes:

Well ..... (W)	Leachate System .. (C)	Pretreatment Facility ... (P)	River/Stream/Brook .. (R)	Soil ..... (S)	Generation Pt. .... (G)
Dewatering/Pressure Relief .... (D)	Gas Condensate ... (M)	Influent ..... (U)	Lake or Ocean ..... (L)	Bottom Sediment ... (B)	Other ..... (X)
Surface Water Impoundment ... (I)	Air ..... (A)	Effluent ..... (T)	Outfall ..... (O)	Noise ..... (N)	Specify _____

ENS # 92-12442

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AF6052-A	04	G	HCL/COOL 4	DEG C SB	Y N		
AF6052-B	04	G	NONE/COOL 4	DEG C SB	Y N		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y N		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y N		
AF6052-E	[illegible]	[illegible]	[illegible]	[illegible]	Y N		
AF6052-F	04	G	NONE/COOL 4	DEG C SV	Y N		
AF6052-G	04	G	NONE/COOL 4	DEG C SV	Y N		
AF6052-H	04	G	HCL/COOL 4	DEG C VO	Y N		
AF6052-I	01	G	HCL/COOL 4	DEG C VO	Y N		[illegible] 92
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y N		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y N		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y N		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y N		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y N		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y N		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y N		[illegible]

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) Debbie Wilson Date: 10/8/92 Time: 12:45 2400 HR.
Signature: Debbie Wilson Seal #: 2651 Intact: yes

I have received these materials in good condition from the above person.

2. Name: TERRY McPHERSON Signature: Terry McPherson
Date: 10/13/92 Time: 7 2400 HR. Remarks: _____

I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
Date: / / Time: _____ 2400 HR. Remarks: _____

AquaPak™ Sub Contr[illegible] [illegible] 2400 HR.
Signature: [illegible]

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AF6052

Sample Point: WMW03 (Source Code)

FIELD INFORMATION FORM

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
921012	15.00	.6	43.1	130.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- SS Screen TNC 304 Galvanized pipe PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45	A	A-Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	518.93 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	277.23 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	241.70 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	319.50 (ft)	Stickup	(ft)

1st	7.09 (STD)	1st	844 µm/cm at 25° C	Sample Temp.	19.6 (° C)
2nd	7.07 (STD) ph	2nd	727 µm/cm at 25° C spec. cond.	Well Dia. (other parameter)	5.0 value in units
3rd	7.07 (STD) ph	3rd	803 µm/cm at 25° C spec. cond.	(other parameter)	value units
4th	7.08 (STD) ph	4th	765 µm/cm at 25° C spec cond.	(other parameter)	value units

FIELD COMMENTS

Sample Appearance: (if applicable) Odor: None Color: Clear Turbidity: Slight

Weather Conditions: Wind Speed 6-15 mph Direction SW SW to W Precipitation Y/N Outlook Hazy

Specific Comments: Well condition is good, access good

volume purged: 319.50 - 277.23 = (42.27)(1.02) = (43.11)(3) = 129.3 gal

finished purging 15:40 / Good recharge rate

Subcontract To: _____

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 630
Date Sealed 9-21-0-0-2 (YY / MM / DD)
Seal # 2797
By: YO

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: W MW04 (Source Code)

BARCODE

SAMPLE DATE: 9 2 1 0 1 3 (YY / MM / DD)

SAMPLE TIME: 1 2 : 0 8 (2400 HR.)

MATRIX CODE: W

Water (W) Soil (S) Leachate (C) Other (X)

Source Codes:

Well (W) Dewatering/Pressure Relief (D) Surface Water Impoundment (I) Leachate System (C) Gas Condensate (M) Air (A) Pretreatment Facility (P) Influent (U) Effluent (T) River/Stream/Brook (R) Lake or Ocean (L) Outfall (O) Soil (S) Bottom Sediment (B) Noise (N) Generation Pt. (G) Other (X) Specify _____

ENS # 92-12442

AquaPak™ CONTENT

SAMPLE ID	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y—N	FIELD COMMENTS	COMMENTS
[redacted]					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		

92
BBLE
-16-

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) Debbie Wilson Date: 10/8 92 Time: 13:25 2400 HR.
Signature: Debbie Wilson Seal #: 2797 Intact: yes

I have received these materials in good condition from the above person.

2. Name: _____ Signature: _____
Date: / / Time: _____ 2400 HR. Remarks: _____

I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
Date: / / Time: _____ 2400 HR. Remarks: _____

AquaPak™ Seal Cont. # 630 Sealed Date: YY / MM / DD Time: 2400 HR.
Signature: Seal #: Intact:

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: A1760 56

Sample Point: wmw04 (Source Code)

FIELD INFORMATION FORM

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
921013	1153	2	39.0	125.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- 25 screen TNC Galvanized pipe PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			

Filtering Devices 0.45 µ: A-In-line Disposable B-Pressure C-Vacuum

FIELD MEASUREMENTS

Well Elevation	5203.6 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	278.93 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	241.43 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	318.00 (ft)	Stickup	(ft)

1st	7.13 (STD)	1st	966 µm/cm at 25° C	Sample Temp.	17.9 (° C)			
2nd	7.12 (STD) ph	2nd	881 µm/cm at 25° C spec. cond.	well D.T. (other parameter)	5.0 value	in units		
3rd	7.12 (STD) ph	3rd	902 µm/cm at 25° C spec. cond.	Stick-up (other parameter)	3.4 value	Ft units		
4th	7.13 (STD) ph	4th	971 µm/cm at 25° C spec cond.	(other parameter)	value	units		

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: None Color: Clear Turbidity: Slight

Weather Conditions: Wind Speed 15 mph Direction S-SW Precipitation Y/N Outlook Hazy

Specific Comments: Well condition is good, access good

318.00 − 278.93 = 39.07 (1.02) = 39.8 (3) = 119.5 gal

Good recharge rate, 3 well casings obtained at 12:08

Subcontract To: [illegible]

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP ~~910~~ 613 10/7/92
AquaPak™ # [illegible]
Date Sealed [illegible] YY / MM / DD
Seal # 2655
By: [illegible]

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: W M W 0 5 (Source Code)

B A R C O D E

SAMPLE DATE: 9 2 1 0 1 3 (YY / MM / DD)

SAMPLE TIME: 1 0 : 5 0 (2400 HR.) MATRIX CODE: W

Water (W) Soil (S) Leachate (C) Other (X)

Source Codes:

Well (W) Dewatering/Pressure Relief (D) Surface Water Impoundment (I) Leachate System (C) Gas Condensate (M) Air (A) Pretreatment Facility (P) Influent (U) Effluent (T) River/Stream/Brook (R) Lake or Ocean (L) Outfall (O) Soil (S) Bottom Sediment (B) Noise (N) Generation Pt. (G) Other (X) Specify

ENS # 92-12442

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
[illegible]	04	G	HCL/COOL	DEG C SB	Y N		
[illegible]	04	G	NONE/COOL	DEG C SB	Y N		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y N		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y N		
[illegible]	01	[illegible]	[illegible]	[illegible]	Y N		
[illegible]	02	G	NONE/COOL	DEG C SV	Y N		
[illegible]	02	G	NONE/COOL	DEG C SV	Y N		
[illegible]	04	G	HCL/COOL	DEG C VO	Y N		
[illegible]	01	G	HCL/COOL	DEG C VO	Y N		[illegible] 92
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y N		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y N		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y N		[illegible] 5-92
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y N		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y N		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y N		[illegible]

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) Debbie Wilson Date: 10/8/92 Time: 12:15 2400 HR.
Signature: [signature] Seal #: 2655 Intact: yes

I have received these materials in good condition from the above person.

2. Name: TERRY McPHERSON Signature: [signature]
Date: 10/13/92 Time: 11 [illegible] 2400 HR. Remarks

I have received these materials in good condition from the above person.

3. Name: Signature
Date: / / Time: 2400 HR. Remarks

AquaPak™ Sub Contr. # [illegible] Seal [illegible] Date [illegible] Time [illegible] 2400 HR.
Signature [illegible] Seal # [illegible] Intact [illegible]

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: A F6057

Sample Point: w mw05 (Source Code)

FIELD INFORMATION FORM

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
92 10 13	1028	0.3	514	1650

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated | Y | N | (circle one) Sampling Equipment ..... Dedicated | Y | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- SS screen TNC 304 Galvanized pipe PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			

Filtering Devices: [illegible] Disposable [illegible] Pressure [illegible] Vacuum

FIELD MEASUREMENTS

Well Elevation	519.57 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	278.15 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	241.42 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	330.00 (ft)	Stickup	(ft)

1st	7.09 (STD) ph	1st	919 µm/cm at 25° C spec. cond.	Sample Temp.	17.9 (° C)			
2nd	7.15 (STD) ph	2nd	911 µm/cm at 25° C spec. cond.	Well Dia (other parameter)	5.0 value	in units		
3rd	7.13 (STD) ph	3rd	828 µm/cm at 25° C spec. cond.	Stick-up (other parameter)	3.67 value	Ft units		
4th	7.15 (STD) ph	4th	904 µm/cm at 25° C spec cond.	(other parameter)	value	units		

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: None Color: Clear Turbidity: Slight

Weather Conditions: Wind Speed 15 mph Direction S to SW Precipitation Y/N Outlook Hazy

Specific Comments: Well condition is good, access good

330 − 278.57 = (51.43)(1.02) = (52.46)(3) = 157.4

3 WELL VOLUMES OBTAINED AT 1028 / Good recharge rate

I certify that sampling procedures were in accordance with [illegible] EPA, State and WMI protocols

Signature: [illegible]

EWI FF-21 4/91

WMI Environmental Monitoring Laboratories, Inc.

Analytical Report Transmittal Memorandum

OCT 1992
RECEIVED
Western Region
Environmental
Mgt. Dept.
C.W.M.I.

Date: October 23, 1992

To: Client(s) - see below

From: Dave Lundquist

Subject: O.S.C.O. 92-12443

Please find enclosed the current Client Report, Field Information Forms, and Field Chain-of-Custody Records for the recently completed event at O.S.C.O..

The data has been thoroughly reviewed and compared to historical data. We have tried to provide a report that is complete and of known and documented quality. Please take a moment to review the enclosed report to insure it meets your expectations.

If you have any questions, don't hesitate to call Donna Bierschenk at (708)208-3100.

Report Distribution:

Name	Report Type
Marc Yalom*	ALL +Diskette

* *Program Manager*

WMI Environmental Monitoring
Laboratories, Inc.
2100 Clearwater Drive
Geneva, Illinois 60134
708/208-3100

A Waste Management Company

Enclosed are the analytical results for samples received from your facility. The results in the Client Report are for a single ENS (Event Notification System) number only. The sampling event at your facility may include multiple ENS numbers. A separate Client Report will be generated for each one.

It is the goal of WMI Environmental Monitoring Laboratories, Inc. to provide analytical data in a timely fashion, formatted in a way that our clients will find most useful.

If you have any questions concerning the form or content of this report, please contact the WMI EML Customer Operations Department:

Main Number (708) 208-3100
FAX Number (708) 208-1175

Note: Two designations may appear in the results column of your Client Report: NA or ND.

The designation NA (for "Not Analyzed") is used to identify analytes which were requested in the monitoring program, but for which no suitable testing methodology exists. NA may also indicate a dry well, broken sample bottle, insufficient sample volume, or other condition which precludes analysis for a sample.

The designation ND (for "Not Detected") is used to indicate that the analyte of interest was not found at or above the concentration listed under the EMLRL (EML Reporting Limit) heading.

Unless otherwise indicated, all analytes meet the requirements of holding time as specified in the method.

Deborah C. Hockman, Ph.D.

Deborah C. Hockman, Ph.D.
President
WMI Environmental Monitoring Laboratories, Inc.

Printed on recycled paper

Data Qualifier Comment Code Definitions

AR: Acid surrogate recoveries did not meet the acceptance criteria of the method. Oxidation degradation due to sample matrix was confirmed.

BB: Broken bottle.

BL: The method blank concentration associated with this analyte did not meet the acceptance criteria of the method.

CX: The concentration of this compound exceeded the calibration used for this analysis. The concentration reported is estimated.

CU: Co-elution with another compound interferes with the quantitation of this compound. The concentration reported is estimated.

DL: The sample was diluted during analysis. Reporting limits have been adjusted where necessary.

DP: This sample was analyzed in duplicate. The relative percent difference between the two results did not meet the acceptance criteria of the method.

DW: Dry well

HS: The headspace in this sample bottle exceeded 6 millimeters.

IS: The internal standard recoveries associated with this analysis did not meet the acceptance criteria of the method.

IV: The bottle did not contain enough sample to perform the analysis.

MP: 3-methylhphenol and 4-methylphenol co-elute under the analytical conditions of the method, and can not be differentiated solely on the basis of their mass spectra. The concentrations reported may be either or both isomers.

MX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was in control. The result reported may therefore be affected by matrix interferences.

NN: N-nitrosodiphenylamine can not be distinguished from diphenylamine using gas chromatography. The concentrations reported may be either or both compounds.

NQ: No standard qualifier code is in use for this qualification. See the associated comment.

NS: There was not enough sample to repeat this analysis.

PL: This result may be a product of contamination from phthalate plasticizers, which are a common lab contaminant.

PX: This sample required preservation in the field to a pH of less than 2. The pH was checked after receipt at the lab, and did not have a pH of less than 2.

PY: This sample required preservation in the field to a pH of 4 to 5. The pH was checked after receipt at the lab, and did not have a pH of 4 to 5.

PZ: This sample required preservation in the field to a pH of 12 or greater. The pH was checked after receipt at the lab, and did not have a pH of 12 or greater.

QX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was out-of-control. The analytical result for this parameter in the unspiked sample is suspect and may not be reported for regulatory compliance purposes.

RA: Acid surrogate recoveries associated with this analysis did not meet the acceptance criteria of the method.

RB: Base/neutral surrogate recoveries associated with this analysis did not meet the acceptance criteria of the method.

SB: The analysis of this sample was performed by an approved subcontract laboratory.

ST: This compound is not stable in acidic water.

SU: The analysis of the surrogate with this sample did not meet the acceptance criteria of the method.

TX: The analysis for this parameter was conducted after the holding time specified in the method.

UN: This compound is not stable under the conditions of the analysis.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: 01FB
Sample Type: WELL
Sample Number: AF6058

ENS: 92-12443
MP: 562921
REV: 01

Sampled: 12-OCT-1992
Received: 15-OCT-1992
Reported: 23-OCT-1992

Analyte	Result	EML RL	Units	Comments	Method
FIELD DATA:					
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
PH FIELD	NA		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	NA		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	NA		DEGREES C		FDXTEMPC01
VOLATILE ORGANICS:					
(M and P)-XYLENE	ND	10.000	UG/L		VOMSBA0322
1,1,1-TRICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1-DICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,1-DICHLOROETHENE	ND	5.000	UG/L		VOMSBA0322
1,2-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBA0322
1,2-DICHLOROETHANE	ND	5.000	UG/L		VOMSBA0322
1,2-DICHLOROPROPANE	ND	5.000	UG/L		VOMSBA0322
1,3-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBA0322
1,4-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBA0322
2-BUTANONE	ND	10.000	UG/L		VOMSBA0322
2-CHLOROETHYLVINYL ETHER	ND	20.000	UG/L	ST	VOMSBA0322
4-METHYL-2-PENTANONE	ND	10.000	UG/L		VOMSBA0322
ACETONE	ND	34.000	UG/L		VOMSBA0322
BENZENE	ND	5.000	UG/L		VOMSBA0322
BROMODICHLOROMETHANE	ND	5.000	UG/L		VOMSBA0322
BROMOFORM	ND	5.000	UG/L		VOMSBA0322
BROMOMETHANE	ND	10.000	UG/L		VOMSBA0322
CARBON TETRACHLORIDE	ND	5.000	UG/L		VOMSBA0322
CHLOROBENZENE	ND	5.000	UG/L		VOMSBA0322
CHLOROETHANE	ND	10.000	UG/L		VOMSBA0322
CHLOROFORM	ND	5.000	UG/L		VOMSBA0322
CHLOROMETHANE	ND	10.000	UG/L		VOMSBA0322
CIS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		VOMSBA0322
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		VOMSBA0322
ETHYLBENZENE	ND	5.000	UG/L		VOMSBA0322
METHYLENE CHLORIDE	ND	5.000	UG/L		VOMSBA0322
O-XYLENE	ND	10.000	UG/L		VOMSBA0322
TETRACHLOROETHENE	ND	5.000	UG/L		VOMSBA0322
TOLUENE	ND	5.000	UG/L		VOMSBA0322
TRANS-1,2-DICHLOROETHENE	ND	10.000	UG/L		VOMSBA0322
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		VOMSBA0322
TRICHLOROETHENE	ND	5.000	UG/L		VOMSBA0322
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		VOMSBA0322
VINYL CHLORIDE	ND	10.000	UG/L		VOMSBA0322

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Subcontract To: _____

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 592
Date Sealed 92/10/07 (YY / MM / DD)
Seal # 2651
By: [illegible]

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: W O I F B (Source Code)

BARCODE

SAMPLE DATE: 92/10/12 (YY / MM / DD)

SAMPLE TIME: 15:45 (2400 HR.) MATRIX CODE: W

Water (W) Soil (S) Leachate (C) Other (X)

Source Codes:

Well (W) Dewatering/Pressure Relief (D) Surface Water Impoundment (I) Leachate System (C) Gas Condensate (M) Air (A) Pretreatment Facility (P) Influent (U) Effluent (T) River/Stream/Brook (R) Lake or Ocean (L) Outfall (O) Soil (S) Bottom Sediment (B) Noise (N) Generation Pt. (G) Other (X) Specify _____

ENS # 92-12443

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y—N	FIELD COMMENTS	E.M.L. COMMENTS
AF6058-A	04	G	HCL/COOL 4	DRG C VO	Y N		
AF6058-B	01	G	HCL/COOL 4	DRG C	Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) Debbie Wilson Date: 10/8/92 Time: 12:45 (2400 HR.)
   Signature: Debbie Wilson Seal #: 2651 Intact: yes

   I have received these materials in good condition from the above person.

2. Name: TERRY McPHETRIDGE Signature: Terry McPhe
   Date: 10/13/92 Time: 7:50 (2400 HR.) Remarks:

   I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
   Date: / / Time: : (2400 HR.) Remarks:

4. AquaPak™/Sub Contr. # 592 Sealed By: Terry McPhetridge Date: 10/13/92 Time: 14:13 (2400 HR.)
   Signature: Terry McPhe Seal #: 2645 Intact: YES

[redacted]

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AF6058

Sample Point: W01FB (Source Code)

FIELD INFORMATION FORM

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
921012	15.00	.6	43.1	130.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- SS screen TNC 304 Galvanized PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	518.93 (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	277.23 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	241.70 (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	319.50 (ft)	Stickup	(ft)

1st	ph (STD)	1st	spec. cond. μm/cm at 25° C	Sample Temp.	(° C)
2nd	ph (STD)	2nd	spec. cond. μm/cm at 25° C	(other parameter) value units	
3rd	ph (STD)	3rd	spec. cond. μm/cm at 25° C	(other parameter) value units	
4th	ph (STD)	4th	spec cond. μm/cm at 25° C	(other parameter) value units	

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: None Color: Clear Turbidity: _____

Weather Conditions: Wind Speed 6-15 mph Direction SW to W Precipitation Y/N Outlook Hazy

Specific Comments: Sample Point W01FB was taken at MW03.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

10/12/92 (Date) [signature] (Signature) Employer: SEC Donohue

EML FF-2A 4/90

REGION

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

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WMI Environmental Monitoring Laboratories, Inc.

Analytical Report Transmittal Memorandum

SEP 1992
RECEIVED
Western Region
Environmental
Mgt. Dept.
C.W.M.I.

Date: September 14, 1992

To: Client(s) - see below

From: Dave Lundquist

Subject: O.S.C.O. 92-11238

Please find enclosed the current Client Report, Field Information Forms, and Field Chain-of-Custody Records for the recently completed event at O.S.C.O..

The data has been thoroughly reviewed and compared to historical data. We have tried to provide a report that is complete and of known and documented quality. Please take a moment to review the enclosed report to insure it meets your expectations.

If you have any questions, don't hesitate to call Cynthia Garland at (708)208-3100.

Report Distribution:

Name	Report Type
Mark Yalom*	ALL +Diskette

* *Program Manager*

A Waste Management Company

Enclosed are the analytical results for samples received from your facility. The results in the Client Report are for a single ENS (Event Notification System) number only. The sampling event at your facility may include multiple ENS numbers. A separate Client Report will be generated for each one.

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FAX Number (708) 208-1175

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Unless otherwise indicated, all analytes meet the requirements of holding time as specified in the method.

Bruce Warden
Assistant Director
Laboratory Operations

Frank Jarke
Manager
Quality Programs

Printed on recycled paper

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

E V E N T S U M M A R Y R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-11238
MP: 562921
Rev / Task: 00 / 01
Sample Type: WELL
Reported: 10-SEP-1992

Analyte / Sample Point: / Sample Number: / Sampled:	562-DUP AE8923 13-AUG-1992	EML RL	562-MW01 AE8926 10-AUG-1992	EML RL	562-MW02 AE8925 10-AUG-1992	EML RL	Units
FIELD DATA:							
DEPTH TO WATER FROM TOP OF CASING	268.62		276.30		273.46		FT
GROUNDWATER ELEV.	NA		NA		NA		FT MSL
PH FIELD	6.89		6.43		6.03		PH UNITS
PH FIELD	6.89		6.43		6.03		PH UNITS
PH FIELD	6.89		6.43		5.97		PH UNITS
PH FIELD	6.89		6.43		5.84		PH UNITS
SPECIFIC CONDUCTANCE FIELD	675.		600.		599.		UMHOS/CM
SPECIFIC CONDUCTANCE FIELD	687.		604.		610.		UMHOS/CM
SPECIFIC CONDUCTANCE FIELD	675.		615.		624.		UMHOS/CM
SPECIFIC CONDUCTANCE FIELD	744.		631.		617.		UMHOS/CM
WATER TEMPERATURE IN DEGREES CELSIUS	20.1		22.2		21.7		DEGREES C
WELL DEPTH TOTAL	NA		NA		NA		FT
CHEMICAL METHODS & ROBOTICS:							
TOTAL ORGANIC CARBON	1.5	1.000	5.8	1.000	ND	1.000	MG/L
TOTAL ORGANIC CARBON	1.5	1.000	5.6	1.000	ND	1.000	MG/L
INORGANICS:							
ALUMINUM-DISSOLVED	ND	200.000	ND	200.000	ND	200.000	UG/L
ARSENIC-DISSOLVED	ND	10.000	ND	10.000	ND	10.000	UG/L
BARIUM-DISSOLVED	ND	200.000	ND	200.000	ND	200.000	UG/L
CADMIUM-DISSOLVED	ND	5.000	ND	5.000	ND	5.000	UG/L
CHROMIUM-DISSOLVED	ND	10.000	ND	10.000	ND	10.000	UG/L
COPPER-DISSOLVED	ND	25.000	ND	25.000	ND	25.000	UG/L
LEAD-DISSOLVED	ND	5.000	ND	5.000	ND	5.000	UG/L
MANGANESE-DISSOLVED	44.9	15.000	ND	15.000	75.0	15.000	UG/L
MERCURY-DISSOLVED	ND	0.200	ND	0.200	ND	0.200	UG/L
NICKEL-DISSOLVED	ND	40.000	ND	40.000	ND	40.000	UG/L
ZINC-DISSOLVED	102	20.000	ND	20.000	ND	20.000	UG/L
SUB-CONTRACT DATA:							
1,1,1-TRICHLOROETHANE	340 s	50.000	92 s	5.000	790 s	50.000	UG/L
1,1,2,2-TETRACHLOROETHANE	ND s	50.000	ND s	5.000	ND s	50.000	UG/L
1,1,2-TRICHLOROETHANE	ND s	50.000	ND s	5.000	ND s	50.000	UG/L
1,1-DICHLOROETHANE	ND s	50.000	ND s	5.000	ND s	50.000	UG/L
1,1-DICHLOROETHENE	130 s	50.000	ND s	5.000	260 s	50.000	UG/L
1,2-DICHLOROBENZENE	ND s	1.000	ND s	1.000	ND s	1.000	UG/L
1,2-DICHLOROBENZENE	ND s	50.000	ND s	5.000	ND s	50.000	UG/L
1,2-DICHLOROETHANE	ND s	50.000	ND s	5.000	ND s	50.000	UG/L
1,2-DICHLOROPROPANE	ND s	50.000	ND s	5.000	ND s	50.000	UG/L
1,3-DICHLOROBENZENE	ND s	1.000	ND s	1.000	ND s	1.000	UG/L
1,3-DICHLOROBENZENE	ND s	50.000	ND s	5.000	ND s	50.000	UG/L
1,4-DICHLOROBENZENE	ND s	1.000	ND s	1.000	ND s	1.000	UG/L
1,4-DICHLOROBENZENE	ND s	50.000	ND s	5.000	ND s	50.000	UG/L
2-CHLOROETHYLVINYL ETHER	ND s	50.000	ND s	10.000	ND s	50.000	UG/L
BENZENE	.55 s	0.500	ND s	0.500	4.5 s	0.500	UG/L
BROMODICHLOROMETHANE	ND s	50.000	ND s	5.000	ND s	50.000	UG/L
BROMOFORM	ND s	50.000	ND s	5.000	ND s	50.000	UG/L

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank** **s = EML Subcontract Data**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

E V E N T S U M M A R Y R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-11238
MP: 562921
Rev / Task: 00 / 01
Sample Type: WELL
Reported: 10-SEP-1992

Analyte	Sample Point: 562-DUP Sample Number: AE8923 Sampled: 13-AUG-1992		EML RL	562-MW01 AE8926 10-AUG-1992		EML RL	562-MW02 AE8925 10-AUG-1992		EML RL	Units
BROMOMETHANE	ND	s	100.000	ND	s	10.000	ND	s	100.000	UG/L
CARBON TETRACHLORIDE	ND	s	50.000	ND	s	5.000	ND	s	50.000	UG/L
CHLOROBENZENE	1.5	s	0.500	ND	s	0.500	2	s	0.500	UG/L
CHLOROBENZENE	ND	s	50.000	ND	s	5.000	ND	s	50.000	UG/L
CHLOROETHANE	ND	s	100.000	ND	s	10.000	ND	s	100.000	UG/L
CHLOROFORM	ND	s	50.000	ND	s	5.000	ND	s	50.000	UG/L
CHLOROMETHANE	ND	s	100.000	ND	s	10.000	ND	s	100.000	UG/L
CIS-1,3-DICHLOROPROPENE	ND	s	60.000	ND	s	6.000	ND	s	60.000	UG/L
DIBROMOCHLOROMETHANE	ND	s	50.000	ND	s	5.000	ND	s	50.000	UG/L
DICHLORODIFLUOROMETHANE	ND	s	100.000	ND	s	10.000	ND	s	100.000	UG/L
ETHYLBENZENE	ND	s	0.500	ND	s	0.500	ND	s	0.500	UG/L
METHYLENE CHLORIDE	ND	s	50.000	ND	s	5.000	ND	s	50.000	UG/L
TETRACHLOROETHENE	1900	s	50.000	150	s	5.000	1600	s	50.000	UG/L
TOLUENE	.52	s	0.500	1.4	s	0.500	.64	s	0.500	UG/L
TRANS-1,2-DICHLOROETHENE	ND	s	50.000	ND	s	5.000	ND	s	50.000	UG/L
TRANS-1,3-DICHLOROPROPENE	ND	s	50.000	ND	s	5.000	ND	s	50.000	UG/L
TRICHLOROETHENE	600	s	50.000	150	s	5.000	1600	s	50.000	UG/L
TRICHLOROFLUOROMETHANE	ND	s	100.000	ND	s	10.000	ND	s	100.000	UG/L
VINYL CHLORIDE	ND	s	100.000	ND	s	10.000	ND	s	100.000	UG/L
SEMI-VOLATILE ORGANICS:										
1,2,4-TRICHLOROBENZENE	ND		10.000	ND		10.000	ND		10.000	UG/L
1,2-DICHLOROBENZENE	ND		10.000	ND		10.000	ND		10.000	UG/L
1,2-DIPHENYLHYDRAZINE	ND		10.000	ND		10.000	ND		10.000	UG/L
1,3-DICHLOROBENZENE	ND		10.000	ND		10.000	ND		10.000	UG/L
1,4-DICHLOROBENZENE	ND		10.000	ND		10.000	ND		10.000	UG/L
2,4,6-TRICHLOROPHENOL	ND		10.000	ND		10.000	ND		10.000	UG/L
2,4-DICHLOROPHENOL	ND		10.000	ND		10.000	ND		10.000	UG/L
2,4-DIMETHYLPHENOL	ND		10.000	ND		10.000	ND		10.000	UG/L
2,4-DINITROPHENOL	ND		50.000	ND		50.000	ND		50.000	UG/L
2,4-DINITROTOLUENE	ND		10.000	ND		10.000	ND		10.000	UG/L
2,6-DINITROTOLUENE	ND		10.000	ND		10.000	ND		10.000	UG/L
2-CHLORONAPHTHALENE	ND		10.000	ND		10.000	ND		10.000	UG/L
2-CHLOROPHENOL	ND		10.000	ND		10.000	ND		10.000	UG/L
2-NITROPHENOL	ND		10.000	ND		10.000	ND		10.000	UG/L
3,3'-DICHLOROBENZIDINE	ND		20.000	ND		20.000	ND		20.000	UG/L
4,4'-DDD	ND		0.100	ND		0.100	ND		0.100	UG/L
4,4'-DDE	ND		0.100	ND		0.100	ND		0.100	UG/L
4,4'-DDT	ND		0.100	ND		0.100	ND		0.100	UG/L
4,6-DINITRO-2-METHYLPHENOL	ND		50.000	ND		50.000	ND		50.000	UG/L
4-BROMOPHENYL-PHENYL ETHER	ND		10.000	ND		10.000	ND		10.000	UG/L
4-CHLORO-3-METHYLPHENOL	ND		10.000	ND		10.000	ND		10.000	UG/L
4-CHLOROPHENYL-PHENYL ETHER	ND		10.000	ND		10.000	ND		10.000	UG/L
4-NITROPHENOL	ND		50.000	ND		50.000	ND		50.000	UG/L
ACENAPHTHENE	ND		10.000	ND		10.000	ND		10.000	UG/L
ACENAPHTHYLENE	ND		10.000	ND		10.000	ND		10.000	UG/L
ALDRIN	ND		0.100	ND		0.100	ND		0.100	UG/L
ALPHA-BHC	ND		0.100	ND		0.100	ND		0.100	UG/L

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank** **s = EML Subcontract Data**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

EVENT SUMMARY REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-11238
MP: 562921
Rev / Task: 00 / 01
Sample Type: WELL
Reported: 10-SEP-1992

Analyte	Sample Point: 562-DUP Sample Number: AE8923 Sampled: 13-AUG-1992	EML RL	562-MW01 AE8926 10-AUG-1992	EML RL	562-MW02 AE8925 10-AUG-1992	EML RL	Units
ANTHRACENE	ND	10.000	ND	10.000	ND	10.000	UG/L
AROCLOR-1016	ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1221	ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1232	ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1242	ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1248	ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1254	ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1260	ND	1.000	ND	1.000	ND	1.000	UG/L
BENZIDINE	ND	50.000	ND	50.000	ND	50.000	UG/L
BENZO[A]PYRENE	ND	10.000	ND	10.000	ND	10.000	UG/L
BENZO[B]FLUORANTHENE	ND	10.000	ND	10.000	ND	10.000	UG/L
BENZO[G,H,I]PERYLENE	ND	10.000	ND	10.000	ND	10.000	UG/L
BENZO[K]FLUORANTHENE	ND	10.000	ND	10.000	ND	10.000	UG/L
BENZ[A]ANTHRACENE	ND	10.000	ND	10.000	ND	10.000	UG/L
BETA-BHC	ND	0.100	ND	0.100	ND	0.100	UG/L
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	ND	10.000	ND	10.000	UG/L
BIS(2-CHLOROETHYL)ETHER	ND	10.000	ND	10.000	ND	10.000	UG/L
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	ND	10.000	ND	10.000	UG/L
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	ND	50.000	ND	50.000	UG/L
BUTYLBENZYLPHTHALATE	ND	10.000	ND	10.000	ND	10.000	UG/L
CHLORDANE	ND	1.000	ND	1.000	ND	1.000	UG/L
CHRYSENE	ND	10.000	ND	10.000	ND	10.000	UG/L
DELTA-BHC	ND	0.050	ND	0.050	ND	0.050	UG/L
DI-N-BUTYLPHTHALATE	ND	10.000	ND	10.000	ND	10.000	UG/L
DI-N-OCTYLPHTHALATE	ND	10.000	ND	10.000	ND	10.000	UG/L
DIBENZ[A,H]ANTHRACENE	ND	10.000	ND	10.000	ND	10.000	UG/L
DIELDRIN	ND	0.100	ND	0.100	ND	0.100	UG/L
DIETHYLPHTHALATE	ND	10.000	ND	10.000	ND	10.000	UG/L
DIMETHYLPHTHALATE	ND	10.000	ND	10.000	ND	10.000	UG/L
ENDOSULFAN I	ND	0.050	ND	0.050	ND	0.050	UG/L
ENDOSULFAN II	ND	0.100	ND	0.100	ND	0.100	UG/L
ENDOSULFAN SULFATE	ND	0.500	ND	0.500	ND	0.500	UG/L
ENDRIN	ND	0.100	ND	0.100	ND	0.100	UG/L
ENDRIN ALDEHYDE	ND	0.100	ND	0.100	ND	0.100	UG/L
FLUORANTHENE	ND	10.000	ND	10.000	ND	10.000	UG/L
FLUORENE	ND	10.000	ND	10.000	ND	10.000	UG/L
HEPTACHLOR	ND	0.050	ND	0.050	ND	0.050	UG/L
HEPTACHLOR EPOXIDE	ND	0.500	ND	0.500	ND	0.500	UG/L
HEXACHLOROBENZENE	ND	10.000	ND	10.000	ND	10.000	UG/L
HEXACHLOROBUTADIENE	ND	10.000	ND	10.000	ND	10.000	UG/L
HEXACHLOROCYCLOPENTADIENE	ND	100.000	ND	100.000	ND	100.000	UG/L
HEXACHLOROETHANE	ND	10.000	ND	10.000	ND	10.000	UG/L
INDENO[1,2,3-CD]PYRENE	ND	10.000	ND	10.000	ND	10.000	UG/L
ISOPHORONE	ND	10.000	ND	10.000	ND	10.000	UG/L
LINDANE (GAMMA-BHC)	ND	0.100	ND	0.100	ND	0.100	UG/L
N-NITROSODI-N-PROPYLAMINE	ND	10.000	ND	10.000	ND	10.000	UG/L
N-NITROSODIMETHYLAMINE	ND	10.000	ND	10.000	ND	10.000	UG/L
N-NITROSODIPHENYLAMINE	ND	10.000	ND	10.000	ND	10.000	UG/L

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WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

E V E N T S U M M A R Y R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-11238
MP: 562921
Rev / Task: 00 / 01
Sample Type: WELL
Reported: 10-SEP-1992

Analyte	Sample Point: 562-DUP Sample Number: AE8923 Sampled: 13-AUG-1992	EML RL	562-MW01 AE8926 10-AUG-1992	EML RL	562-MW02 AE8925 10-AUG-1992	EML RL	Units
NAPHTHALENE	ND	10.000	ND	10.000	ND	10.000	UG/L
NITROBENZENE	ND	10.000	ND	10.000	ND	10.000	UG/L
PENTACHLOROPHENOL	ND	50.000	ND	50.000	ND	50.000	UG/L
PHENANTHRENE	ND	10.000	ND	10.000	ND	10.000	UG/L
PHENOL	ND	10.000	ND	10.000	ND	10.000	UG/L
PYRENE	ND	10.000	ND	10.000	ND	10.000	UG/L
TOXAPHENE	ND	1.000	ND	1.000	ND	1.000	UG/L
VOLATILE ORGANICS:							
1,1,1-TRICHLOROETHANE	290.	250.000	150.	50.000	630.	250.000	UG/L
1,1,2,2-TETRACHLOROETHANE	ND	250.000	ND	50.000	ND	250.000	UG/L
1,1,2-TRICHLOROETHANE	ND	250.000	ND	50.000	ND	250.000	UG/L
1,1-DICHLOROETHANE	ND	250.000	ND	50.000	ND	250.000	UG/L
1,1-DICHLOROETHENE	ND	250.000	97.	50.000	310.	250.000	UG/L
1,2-DICHLOROBENZENE	ND	250.000	ND	50.000	ND	250.000	UG/L
1,2-DICHLOROETHANE	ND	250.000	ND	50.000	ND	250.000	UG/L
1,2-DICHLOROPROPANE	ND	250.000	ND	50.000	ND	250.000	UG/L
1,3-DICHLOROBENZENE	ND	250.000	ND	50.000	ND	250.000	UG/L
1,4-DICHLOROBENZENE	ND	250.000	ND	50.000	ND	250.000	UG/L
2-CHLOROETHYLVINYL ETHER	ND	1000.000	ND	200.000	ND	1000.000	UG/L
BENZENE	ND	50.000	ND	10.000	ND	50.000	UG/L
BROMODICHLOROMETHANE	ND	250.000	ND	50.000	ND	250.000	UG/L
BROMOFORM	ND	250.000	ND	50.000	ND	250.000	UG/L
BROMOMETHANE	ND	250.000	ND	50.000	ND	250.000	UG/L
CARBON TETRACHLORIDE	ND	50.000	ND	10.000	ND	50.000	UG/L
CHLOROBENZENE	ND	250.000	ND	50.000	ND	250.000	UG/L
CHLOROETHANE	ND	500.000	ND	100.000	ND	500.000	UG/L
CHLOROFORM	ND	250.000	ND	50.000	ND	250.000	UG/L
CHLOROMETHANE	ND	500.000	ND	100.000	ND	500.000	UG/L
CIS-1,3-DICHLOROPROPENE	ND	250.000	ND	50.000	ND	250.000	UG/L
DIBROMOCHLOROMETHANE	ND	250.000	ND	50.000	ND	250.000	UG/L
ETHYLBENZENE	ND	250.000	ND	50.000	ND	250.000	UG/L
METHYLENE CHLORIDE	ND	250.000	ND	50.000	ND	250.000	UG/L
TETRACHLOROETHENE	1500.	250.000	320.	50.000	1400.	250.000	UG/L
TOLUENE	ND	250.000	ND	50.000	ND	250.000	UG/L
TRANS-1,2-DICHLOROETHENE	ND	250.000	ND	50.000	ND	250.000	UG/L
TRANS-1,3-DICHLOROPROPENE	ND	250.000	ND	50.000	ND	250.000	UG/L
TRICHLOROETHENE	610.	250.000	280.	50.000	1400.	250.000	UG/L
TRICHLOROFLUOROMETHANE	ND	250.000	ND	50.000	ND	250.000	UG/L
VINYL CHLORIDE	ND	500.000	ND	100.000	ND	500.000	UG/L

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WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

EVENT SUMMARY REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-11238
MP: 562921
Rev / Task: 00 / 01
Sample Type: WELL
Reported: 10-SEP-1992

Analyte / Sample Point: / Sample Number: / Sampled:	562-MW03 AE8924 10-AUG-1992	EML RL	562-MW04 AE8927 13-AUG-1992	EML RL	562-MW05 AE8922 13-AUG-1992	EML RL	Units
FIELD DATA:							
DEPTH TO WATER FROM TOP OF CASING	266.41		268.10		268.62		FT
GROUNDWATER ELEV.	NA		NA		NA		FT MSL
PH FIELD	6.20		6.69		6.89		PH UNITS
PH FIELD	6.20		6.69		6.89		PH UNITS
PH FIELD	6.20		6.69		6.89		PH UNITS
PH FIELD	6.22		6.68		6.89		PH UNITS
SPECIFIC CONDUCTANCE FIELD	620.		830.		675.		UMHOS/CM
SPECIFIC CONDUCTANCE FIELD	628.		835.		687.		UMHOS/CM
SPECIFIC CONDUCTANCE FIELD	617.		819.		675.		UMHOS/CM
SPECIFIC CONDUCTANCE FIELD	595.		809.		744.		UMHOS/CM
WATER TEMPERATURE IN DEGREES CELSIUS	23.0		22.1		20.1		DEGREES C
WELL DEPTH TOTAL	NA		NA		NA		FT
CHEMICAL METHODS & ROBOTICS:							
TOTAL ORGANIC CARBON	10.1	1.000	ND	1.000	ND	1.000	MG/L
TOTAL ORGANIC CARBON	10.2	1.000	ND	1.000	ND	1.000	MG/L
INORGANICS:							
ALUMINUM-DISSOLVED	ND	200.000	ND	200.000	ND	200.000	UG/L
ARSENIC-DISSOLVED	ND	10.000	ND	10.000	ND	10.000	UG/L
BARIUM-DISSOLVED	200	200.000	259	200.000	ND	200.000	UG/L
CADMIUM-DISSOLVED	ND	5.000	ND	5.000	ND	5.000	UG/L
CHROMIUM-DISSOLVED	ND	10.000	ND	10.000	ND	10.000	UG/L
COPPER-DISSOLVED	ND	25.000	ND	25.000	ND	25.000	UG/L
LEAD-DISSOLVED	ND	5.000	ND	5.000	ND	5.000	UG/L
MANGANESE-DISSOLVED	ND	15.000	55.4	15.000	60.6	15.000	UG/L
MERCURY-DISSOLVED	ND	0.200	ND	0.200	ND	0.200	UG/L
NICKEL-DISSOLVED	ND	40.000	ND	40.000	ND	40.000	UG/L
ZINC-DISSOLVED	ND	20.000	ND	20.000	110	20.000	UG/L
SUB-CONTRACT DATA:							
1,1,1-TRICHLOROETHANE	190 s	5.000	900 s	50.000	380 s	50.000	UG/L
1,1,2,2-TETRACHLOROETHANE	ND s	5.000	ND s	50.000	ND s	50.000	UG/L
1,1,2-TRICHLOROETHANE	ND s	5.000	ND s	50.000	ND s	50.000	UG/L
1,1-DICHLOROETHANE	ND s	5.000	93 s	50.000	ND s	50.000	UG/L
1,1-DICHLOROETHENE	120 s	5.000	340 s	50.000	120 s	50.000	UG/L
1,2-DICHLOROBENZENE	ND s	1.000	1.2 s	1.000	ND s	1.000	UG/L
1,2-DICHLOROBENZENE	ND s	5.000	ND s	50.000	ND s	50.000	UG/L
1,2-DICHLOROETHANE	ND s	5.000	400 s	50.000	ND s	50.000	UG/L
1,2-DICHLOROPROPANE	ND s	5.000	ND s	50.000	ND s	50.000	UG/L
1,3-DICHLOROBENZENE	ND s	1.000	ND s	1.000	ND s	1.000	UG/L
1,3-DICHLOROBENZENE	ND s	5.000	ND s	50.000	ND s	50.000	UG/L
1,4-DICHLOROBENZENE	ND s	1.000	1 s	1.000	ND s	1.000	UG/L
1,4-DICHLOROBENZENE	ND s	5.000	ND s	50.000	ND s	50.000	UG/L
2-CHLOROETHYLVINYL ETHER	ND s	10.000	ND s	50.000	ND s	50.000	UG/L
BENZENE	ND s	0.500	1.1 s	0.500	.51 s	0.500	UG/L
BROMODICHLOROMETHANE	ND s	5.000	ND s	50.000	ND s	50.000	UG/L
BROMOFORM	ND s	5.000	ND s	50.000	ND s	50.000	UG/L

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WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

E V E N T S U M M A R Y R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-11238
MP: 562921
Rev / Task: 00 / 01
Sample Type: WELL
Reported: 10-SEP-1992

Analyte	Sample Point: 562-MW03		EML RL	562-MW04		EML RL	562-MW05		EML RL	Units
	Sample Number: AE8924			AE8927			AE8922			
	Sampled: 10-AUG-1992			13-AUG-1992			13-AUG-1992			
BROMOMETHANE	ND	s	10.000	ND	s	100.000	ND	s	100.000	UG/L
CARBON TETRACHLORIDE	ND	s	5.000	ND	s	50.000	ND	s	50.000	UG/L
CHLOROBENZENE	ND	s	0.500	3.4	s	0.500	1.5	s	0.500	UG/L
CHLOROBENZENE	ND	s	5.000	ND	s	50.000	ND	s	50.000	UG/L
CHLOROETHANE	ND	s	10.000	ND	s	100.000	ND	s	100.000	UG/L
CHLOROFORM	ND	s	5.000	110	s	50.000	ND	s	50.000	UG/L
CHLOROMETHANE	ND	s	10.000	ND	s	100.000	ND	s	100.000	UG/L
CIS-1,3-DICHLOROPROPENE	ND	s	6.000	ND	s	60.000	ND	s	60.000	UG/L
DIBROMOCHLOROMETHANE	ND	s	5.000	ND	s	50.000	ND	s	50.000	UG/L
DICHLORODIFLUOROMETHANE	ND	s	10.000	ND	s	100.000	ND	s	100.000	UG/L
ETHYLBENZENE	ND	s	0.500	ND	s	0.500	ND	s	0.500	UG/L
METHYLENE CHLORIDE	ND	s	5.000	ND	s	50.000	ND	s	50.000	UG/L
TETRACHLOROETHENE	660	s	50.000	2000	s	50.000	2200	s	50.000	UG/L
TOLUENE	ND	s	0.500	ND	s	0.500	ND	s	0.500	UG/L
TRANS-1,2-DICHLOROETHENE	ND	s	5.000	ND	s	50.000	ND	s	50.000	UG/L
TRANS-1,3-DICHLOROPROPENE	ND	s	5.000	ND	s	50.000	ND	s	50.000	UG/L
TRICHLOROETHENE	480	s	50.000	1900	s	50.000	690	s	50.000	UG/L
TRICHLOROFLUOROMETHANE	ND	s	10.000	ND	s	100.000	ND	s	100.000	UG/L
VINYL CHLORIDE	ND	s	10.000	ND	s	100.000	ND	s	100.000	UG/L
SEMI-VOLATILE ORGANICS:										
1,2,4-TRICHLOROBENZENE	ND		10.000	ND		10.000	ND		10.000	UG/L
1,2-DICHLOROBENZENE	ND		10.000	ND		10.000	ND		10.000	UG/L
1,2-DIPHENYLHYDRAZINE	ND		10.000	ND		10.000	ND		10.000	UG/L
1,3-DICHLOROBENZENE	ND		10.000	ND		10.000	ND		10.000	UG/L
1,4-DICHLOROBENZENE	ND		10.000	ND		10.000	ND		10.000	UG/L
2,4,6-TRICHLOROPHENOL	ND		10.000	ND		10.000	ND		10.000	UG/L
2,4-DICHLOROPHENOL	ND		10.000	ND		10.000	ND		10.000	UG/L
2,4-DIMETHYLPHENOL	ND		10.000	ND		10.000	ND		10.000	UG/L
2,4-DINITROPHENOL	ND		50.000	ND		50.000	ND		50.000	UG/L
2,4-DINITROTOLUENE	ND		10.000	ND		10.000	ND		10.000	UG/L
2,6-DINITROTOLUENE	ND		10.000	ND		10.000	ND		10.000	UG/L
2-CHLORONAPHTHALENE	ND		10.000	ND		10.000	ND		10.000	UG/L
2-CHLOROPHENOL	ND		10.000	ND		10.000	ND		10.000	UG/L
2-NITROPHENOL	ND		10.000	ND		10.000	ND		10.000	UG/L
3,3'-DICHLOROBENZIDINE	ND		20.000	ND		20.000	ND		20.000	UG/L
4,4'-DDD	ND		0.100	ND		0.100	ND		0.100	UG/L
4,4'-DDE	ND		0.100	ND		0.100	ND		0.100	UG/L
4,4'-DDT	ND		0.100	ND		0.100	ND		0.100	UG/L
4,6-DINITRO-2-METHYLPHENOL	ND		50.000	ND		50.000	ND		50.000	UG/L
4-BROMOPHENYL-PHENYL ETHER	ND		10.000	ND		10.000	ND		10.000	UG/L
4-CHLORO-3-METHYLPHENOL	ND		10.000	ND		10.000	ND		10.000	UG/L
4-CHLOROPHENYL-PHENYL ETHER	ND		10.000	ND		10.000	ND		10.000	UG/L
4-NITROPHENOL	ND		50.000	ND		50.000	ND		50.000	UG/L
ACENAPHTHENE	ND		10.000	ND		10.000	ND		10.000	UG/L
ACENAPHTHYLENE	ND		10.000	ND		10.000	ND		10.000	UG/L
ALDRIN	ND		0.100	ND		0.100	ND		0.100	UG/L
ALPHA-BHC	ND		0.100	ND		0.100	ND		0.100	UG/L

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WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

EVENT SUMMARY REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-11238
MP: 562921
Rev / Task: 00 / 01
Sample Type: WELL
Reported: 10-SEP-1992

Analyte	Sample Point: 562-MW03 Sample Number: AE8924 Sampled: 10-AUG-1992	EML RL	562-MW04 AE8927 13-AUG-1992	EML RL	562-MW05 AE8922 13-AUG-1992	EML RL	Units
ANTHRACENE	ND	10.000	ND	10.000	ND	10.000	UG/L
AROCLOR-1016	ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1221	ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1232	ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1242	ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1248	ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1254	ND	1.000	ND	1.000	ND	1.000	UG/L
AROCLOR-1260	ND	1.000	ND	1.000	ND	1.000	UG/L
BENZIDINE	ND	50.000	ND	50.000	ND	50.000	UG/L
BENZO[A]PYRENE	ND	10.000	ND	10.000	ND	10.000	UG/L
BENZO[B]FLUORANTHENE	ND	10.000	ND	10.000	ND	10.000	UG/L
BENZO[G,H,I]PERYLENE	ND	10.000	ND	10.000	ND	10.000	UG/L
BENZO[K]FLUORANTHENE	ND	10.000	ND	10.000	ND	10.000	UG/L
BENZ[A]ANTHRACENE	ND	10.000	ND	10.000	ND	10.000	UG/L
BETA-BHC	ND	0.100	ND	0.100	ND	0.100	UG/L
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	ND	10.000	ND	10.000	UG/L
BIS(2-CHLOROETHYL)ETHER	ND	10.000	ND	10.000	ND	10.000	UG/L
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	ND	10.000	ND	10.000	UG/L
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	ND	50.000	ND	50.000	UG/L
BUTYLBENZYLPHTHALATE	ND	10.000	ND	10.000	ND	10.000	UG/L
CHLORDANE	ND	1.000	ND	1.000	ND	1.000	UG/L
CHRYSENE	ND	10.000	ND	10.000	ND	10.000	UG/L
DELTA-BHC	ND	0.050	ND	0.050	ND	0.050	UG/L
DI-N-BUTYLPHTHALATE	ND	10.000	ND	10.000	ND	10.000	UG/L
DI-N-OCTYLPHTHALATE	ND	10.000	ND	10.000	ND	10.000	UG/L
DIBENZ[A,H]ANTHRACENE	ND	10.000	ND	10.000	ND	10.000	UG/L
DIELDRIN	ND	0.100	ND	0.100	ND	0.100	UG/L
DIETHYLPHTHALATE	ND	10.000	ND	10.000	ND	10.000	UG/L
DIMETHYLPHTHALATE	ND	10.000	ND	10.000	ND	10.000	UG/L
ENDOSULFAN I	ND	0.050	ND	0.050	ND	0.050	UG/L
ENDOSULFAN II	ND	0.100	ND	0.100	ND	0.100	UG/L
ENDOSULFAN SULFATE	ND	0.500	ND	0.500	ND	0.500	UG/L
ENDRIN	ND	0.100	ND	0.100	ND	0.100	UG/L
ENDRIN ALDEHYDE	ND	0.100	ND	0.100	ND	0.100	UG/L
FLUORANTHENE	ND	10.000	ND	10.000	ND	10.000	UG/L
FLUORENE	ND	10.000	ND	10.000	ND	10.000	UG/L
HEPTACHLOR	ND	0.050	ND	0.050	ND	0.050	UG/L
HEPTACHLOR EPOXIDE	ND	0.500	ND	0.500	ND	0.500	UG/L
HEXACHLOROBENZENE	ND	10.000	ND	10.000	ND	10.000	UG/L
HEXACHLOROBUTADIENE	ND	10.000	ND	10.000	ND	10.000	UG/L
HEXACHLOROCYCLOPENTADIENE	ND	100.000	ND	100.000	ND	100.000	UG/L
HEXACHLOROETHANE	ND	10.000	ND	10.000	ND	10.000	UG/L
INDENO[1,2,3-CD]PYRENE	ND	10.000	ND	10.000	ND	10.000	UG/L
ISOPHORONE	ND	10.000	ND	10.000	ND	10.000	UG/L
LINDANE (GAMMA-BHC)	ND	0.100	ND	0.100	ND	0.100	UG/L
N-NITROSODI-N-PROPYLAMINE	ND	10.000	ND	10.000	ND	10.000	UG/L
N-NITROSODIMETHYLAMINE	ND	10.000	ND	10.000	ND	10.000	UG/L
N-NITROSODIPHENYLAMINE	ND	10.000	ND	10.000	ND	10.000	UG/L

NA = Not Analyzed ND = Not Detected TBK = Trip Blank s = EML Subcontract Data

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

EVENT SUMMARY REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-11238
MP: 562921
Rev / Task: 00 / 01
Sample Type: WELL
Reported: 10-SEP-1992

Analyte / Sample Point: / Sample Number: / Sampled:	562-MW03 AE8924 10-AUG-1992	EML RL	562-MW04 AE8927 13-AUG-1992	EML RL	562-MW05 AE8922 13-AUG-1992	EML RL	Units
NAPHTHALENE	ND	10.000	ND	10.000	ND	10.000	UG/L
NITROBENZENE	ND	10.000	ND	10.000	ND	10.000	UG/L
PENTACHLOROPHENOL	ND	50.000	ND	50.000	ND	50.000	UG/L
PHENANTHRENE	ND	10.000	ND	10.000	ND	10.000	UG/L
PHENOL	ND	10.000	ND	10.000	ND	10.000	UG/L
PYRENE	ND	10.000	ND	10.000	ND	10.000	UG/L
TOXAPHENE	ND	1.000	ND	1.000	ND	1.000	UG/L
VOLATILE ORGANICS:							
1,1,1-TRICHLOROETHANE	170.	71.450	770.	357.100	280.	250.000	UG/L
1,1,2,2-TETRACHLOROETHANE	ND	71.450	ND	357.100	ND	250.000	UG/L
1,1,2-TRICHLOROETHANE	ND	71.450	ND	357.100	ND	250.000	UG/L
1,1-DICHLOROETHANE	ND	71.450	ND	357.100	ND	250.000	UG/L
1,1-DICHLOROETHENE	110.	71.450	ND	357.100	ND	250.000	UG/L
1,2-DICHLOROBENZENE	ND	71.450	ND	357.100	ND	250.000	UG/L
1,2-DICHLOROETHANE	ND	71.450	410.	357.100	ND	250.000	UG/L
1,2-DICHLOROPROPANE	ND	71.450	ND	357.100	ND	250.000	UG/L
1,3-DICHLOROBENZENE	ND	71.450	ND	357.100	ND	250.000	UG/L
1,4-DICHLOROBENZENE	ND	71.450	ND	357.100	ND	250.000	UG/L
2-CHLOROETHYLVINYL ETHER	ND	285.800	ND	1428.400	ND	1000.000	UG/L
BENZENE	ND	14.290	ND	71.420	ND	50.000	UG/L
BROMODICHLOROMETHANE	ND	71.450	ND	357.100	ND	250.000	UG/L
BROMOFORM	ND	71.450	ND	357.100	ND	250.000	UG/L
BROMOMETHANE	ND	71.450	ND	357.100	ND	250.000	UG/L
CARBON TETRACHLORIDE	ND	14.290	ND	71.420	ND	50.000	UG/L
CHLOROBENZENE	ND	71.450	ND	357.100	ND	250.000	UG/L
CHLOROETHANE	ND	142.900	ND	714.200	ND	500.000	UG/L
CHLOROFORM	ND	71.450	ND	357.100	ND	250.000	UG/L
CHLOROMETHANE	ND	142.900	ND	714.200	ND	500.000	UG/L
CIS-1,3-DICHLOROPROPENE	ND	71.450	ND	357.100	ND	250.000	UG/L
DIBROMOCHLOROMETHANE	ND	71.450	ND	357.100	ND	250.000	UG/L
ETHYLBENZENE	ND	71.450	ND	357.100	ND	250.000	UG/L
METHYLENE CHLORIDE	ND	71.450	ND	357.100	ND	250.000	UG/L
TETRACHLOROETHENE	410.	71.450	1300.	357.100	1600.	250.000	UG/L
TOLUENE	ND	71.450	ND	357.100	ND	250.000	UG/L
TRANS-1,2-DICHLOROETHENE	ND	71.450	ND	357.100	ND	250.000	UG/L
TRANS-1,3-DICHLOROPROPENE	ND	71.450	ND	357.100	ND	250.000	UG/L
TRICHLOROETHENE	360.	71.450	1900.	357.100	600.	250.000	UG/L
TRICHLOROFLUOROMETHANE	ND	71.450	ND	357.100	ND	250.000	UG/L
VINYL CHLORIDE	ND	142.900	ND	714.200	ND	500.000	UG/L

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WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

E V E N T S U M M A R Y R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-11238
MP: 562921
Rev / Task: 00 / 01
Sample Type: WELL
Reported: 10-SEP-1992

Analyte / Sample Point: / Sample Number: / Sampled:	TBK-MW01 AE8926 10-AUG-1992		EML RL	TBK-MW03 AE8924 10-AUG-1992		EML RL	TBK-MW04 AE8927 13-AUG-1992		EML RL	Units
FIELD DATA:										
DEPTH TO WATER FROM TOP OF CASING										FT
GROUNDWATER ELEV.										FT MSL
PH FIELD										PH UNITS
PH FIELD										PH UNITS
PH FIELD										PH UNITS
PH FIELD										PH UNITS
SPECIFIC CONDUCTANCE FIELD										UMHOS/CM
SPECIFIC CONDUCTANCE FIELD										UMHOS/CM
SPECIFIC CONDUCTANCE FIELD										UMHOS/CM
SPECIFIC CONDUCTANCE FIELD										UMHOS/CM
WATER TEMPERATURE IN DEGREES CELSIUS										DEGREES C
WELL DEPTH TOTAL										FT
CHEMICAL METHODS & ROBOTICS:										
TOTAL ORGANIC CARBON										MG/L
TOTAL ORGANIC CARBON										MG/L
INORGANICS:										
ALUMINUM-DISSOLVED										UG/L
ARSENIC-DISSOLVED										UG/L
BARIUM-DISSOLVED										UG/L
CADMIUM-DISSOLVED										UG/L
CHROMIUM-DISSOLVED										UG/L
COPPER-DISSOLVED										UG/L
LEAD-DISSOLVED										UG/L
MANGANESE-DISSOLVED										UG/L
MERCURY-DISSOLVED										UG/L
NICKEL-DISSOLVED										UG/L
ZINC-DISSOLVED										UG/L
SUB-CONTRACT DATA:										
1,1,1-TRICHLOROETHANE	ND	s	0.500							UG/L
1,1,2,2-TETRACHLOROETHANE	ND	s	1.000							UG/L
1,1,2-TRICHLOROETHANE	ND	s	1.000							UG/L
1,1-DICHLOROETHANE	ND	s	0.500							UG/L
1,1-DICHLOROETHENE	ND	s	0.500							UG/L
1,2-DICHLOROBENZENE	ND	s	1.000	ND	s	1.000	ND	s	1.000	UG/L
1,2-DICHLOROBENZENE	ND	s	1.000							UG/L
1,2-DICHLOROETHANE	ND	s	1.000							UG/L
1,2-DICHLOROPROPANE	ND	s	1.000							UG/L
1,3-DICHLOROBENZENE	ND	s	1.000	ND	s	1.000	ND	s	1.000	UG/L
1,3-DICHLOROBENZENE	ND	s	1.000							UG/L
1,4-DICHLOROBENZENE	ND	s	1.000	ND	s	1.000	ND	s	1.000	UG/L
1,4-DICHLOROBENZENE	ND	s	1.000							UG/L
2-CHLOROETHYLVINYL ETHER	ND	s	10.000							UG/L
BENZENE	ND	s	0.500	ND	s	0.500	ND	s	0.500	UG/L
BROMODICHLOROMETHANE	ND	s	1.000							UG/L
BROMOFORM	ND	s	5.000							UG/L

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WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

EVENT SUMMARY REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-11238
MP: 562921
Rev / Task: 00 / 01
Sample Type: WELL
Reported: 10-SEP-1992

Analyte	Sample Point: TBK-MW01 Sample Number: AE8926 Sampled: 10-AUG-1992		EML RL	TBK-MW03 AE8924 10-AUG-1992		EML RL	TBK-MW04 AE8927 13-AUG-1992		EML RL	Units
BROMOMETHANE	ND	s	5.000							UG/L
CARBON TETRACHLORIDE	ND	s	0.500							UG/L
CHLOROBENZENE	ND	s	0.500	ND	s	0.500	ND	s	0.500	UG/L
CHLOROBENZENE	ND	s	2.000							UG/L
CHLOROETHANE	ND	s	5.000							UG/L
CHLOROFORM	ND	s	0.500							UG/L
CHLOROMETHANE	ND	s	5.000							UG/L
CIS-1,3-DICHLOROPROPENE	ND	s	2.000							UG/L
DIBROMOCHLOROMETHANE	ND	s	1.000							UG/L
DICHLORODIFLUOROMETHANE	ND	s	10.000							UG/L
ETHYLBENZENE	ND	s	0.500	ND	s	0.500	ND	s	0.500	UG/L
METHYLENE CHLORIDE	ND	s	5.000							UG/L
TETRACHLOROETHENE	ND	s	0.500							UG/L
TOLUENE	ND	s	0.500	ND	s	0.500	ND	s	0.500	UG/L
TRANS-1,2-DICHLOROETHENE	ND	s	0.500							UG/L
TRANS-1,3-DICHLOROPROPENE	ND	s	1.000							UG/L
TRICHLOROETHENE	ND	s	0.500							UG/L
TRICHLOROFLUOROMETHANE	ND	s	10.000							UG/L
VINYL CHLORIDE	ND	s	0.500							UG/L
SEMI-VOLATILE ORGANICS:										
1,2,4-TRICHLOROBENZENE										UG/L
1,2-DICHLOROBENZENE										UG/L
1,2-DIPHENYLHYDRAZINE										UG/L
1,3-DICHLOROBENZENE										UG/L
1,4-DICHLOROBENZENE										UG/L
2,4,6-TRICHLOROPHENOL										UG/L
2,4-DICHLOROPHENOL										UG/L
2,4-DIMETHYLPHENOL										UG/L
2,4-DINITROPHENOL										UG/L
2,4-DINITROTOLUENE										UG/L
2,6-DINITROTOLUENE										UG/L
2-CHLORONAPHTHALENE										UG/L
2-CHLOROPHENOL										UG/L
2-NITROPHENOL										UG/L
3,3'-DICHLOROBENZIDINE										UG/L
4,4'-DDD										UG/L
4,4'-DDE										UG/L
4,4'-DDT										UG/L
4,6-DINITRO-2-METHYLPHENOL										UG/L
4-BROMOPHENYL-PHENYL ETHER										UG/L
4-CHLORO-3-METHYLPHENOL										UG/L
4-CHLOROPHENYL-PHENYL ETHER										UG/L
4-NITROPHENOL										UG/L
ACENAPHTHENE										UG/L
ACENAPHTHYLENE										UG/L
ALDRIN										UG/L
ALPHA-BHC										UG/L

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WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

E V E N T S U M M A R Y R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-11238
MP: 562921
Rev / Task: 00 / 01
Sample Type: WELL
Reported: 10-SEP-1992

Analyte	Sample Point: / Sample Number: / Sampled:	TBK-MW01 AE8926 10-AUG-1992	EML RL	TBK-MW03 AE8924 10-AUG-1992	EML RL	TBK-MW04 AE8927 13-AUG-1992	EML RL	Units
ANTHRACENE								UG/L
AROCLOR-1016								UG/L
AROCLOR-1221								UG/L
AROCLOR-1232								UG/L
AROCLOR-1242								UG/L
AROCLOR-1248								UG/L
AROCLOR-1254								UG/L
AROCLOR-1260								UG/L
BENZIDINE								UG/L
BENZO[A]PYRENE								UG/L
BENZO[B]FLUORANTHENE								UG/L
BENZO[G,H,I]PERYLENE								UG/L
BENZO[K]FLUORANTHENE								UG/L
BENZ[A]ANTHRACENE								UG/L
BETA-BHC								UG/L
BIS(2-CHLOROETHOXY)METHANE								UG/L
BIS(2-CHLOROETHYL)ETHER								UG/L
BIS(2-CHLOROISOPROPYL)ETHER								UG/L
BIS(2-ETHYLHEXYL)PHTHALATE								UG/L
BUTYLBENZYLPHTHALATE								UG/L
CHLORDANE								UG/L
CHRYSENE								UG/L
DELTA-BHC								UG/L
DI-N-BUTYLPHTHALATE								UG/L
DI-N-OCTYLPHTHALATE								UG/L
DIBENZ[A,H]ANTHRACENE								UG/L
DIELDRIN								UG/L
DIETHYLPHTHALATE								UG/L
DIMETHYLPHTHALATE								UG/L
ENDOSULFAN I								UG/L
ENDOSULFAN II								UG/L
ENDOSULFAN SULFATE								UG/L
ENDRIN								UG/L
ENDRIN ALDEHYDE								UG/L
FLUORANTHENE								UG/L
FLUORENE								UG/L
HEPTACHLOR								UG/L
HEPTACHLOR EPOXIDE								UG/L
HEXACHLOROBENZENE								UG/L
HEXACHLOROBUTADIENE								UG/L
HEXACHLOROCYCLOPENTADIENE								UG/L
HEXACHLOROETHANE								UG/L
INDENO[1,2,3-CD]PYRENE								UG/L
ISOPHORONE								UG/L
LINDANE (GAMMA-BHC)								UG/L
N-NITROSODI-N-PROPYLAMINE								UG/L
N-NITROSODIMETHYLAMINE								UG/L
N-NITROSODIPHENYLAMINE								UG/L

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WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

EVENT SUMMARY REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-11238
MP: 562921
Rev / Task: 00 / 01
Sample Type: WELL
Reported: 10-SEP-1992

Analyte / Sample Point: / Sample Number: / Sampled:	TBK-MW01 AE8926 10-AUG-1992	EML RL	TBK-MW03 AE8924 10-AUG-1992	EML RL	TBK-MW04 AE8927 13-AUG-1992	EML RL	Units
NAPHTHALENE							UG/L
NITROBENZENE							UG/L
PENTACHLOROPHENOL							UG/L
PHENANTHRENE							UG/L
PHENOL							UG/L
PYRENE							UG/L
TOXAPHENE							UG/L
VOLATILE ORGANICS:							
1,1,1-TRICHLOROETHANE	ND	5.000	ND	5.000			UG/L
1,1,2,2-TETRACHLOROETHANE	ND	5.000	ND	5.000			UG/L
1,1,2-TRICHLOROETHANE	ND	5.000	ND	5.000			UG/L
1,1-DICHLOROETHANE	ND	5.000	ND	5.000			UG/L
1,1-DICHLOROETHENE	ND	5.000	ND	5.000			UG/L
1,2-DICHLOROBENZENE	ND	10.000	ND	10.000			UG/L
1,2-DICHLOROETHANE	ND	5.000	ND	5.000			UG/L
1,2-DICHLOROPROPANE	ND	5.000	ND	5.000			UG/L
1,3-DICHLOROBENZENE	ND	10.000	ND	10.000			UG/L
1,4-DICHLOROBENZENE	ND	10.000	ND	10.000			UG/L
2-CHLOROETHYLVINYL ETHER	ND	20.000	ND	20.000			UG/L
BENZENE	ND	5.000	ND	5.000			UG/L
BROMODICHLOROMETHANE	ND	5.000	ND	5.000			UG/L
BROMOFORM	ND	5.000	ND	5.000			UG/L
BROMOMETHANE	ND	10.000	ND	10.000			UG/L
CARBON TETRACHLORIDE	ND	5.000	ND	5.000			UG/L
CHLOROBENZENE	ND	5.000	ND	5.000			UG/L
CHLOROETHANE	ND	10.000	ND	10.000			UG/L
CHLOROFORM	ND	5.000	ND	5.000			UG/L
CHLOROMETHANE	ND	10.000	ND	10.000			UG/L
CIS-1,3-DICHLOROPROPENE	ND	5.000	ND	5.000			UG/L
DIBROMOCHLOROMETHANE	ND	5.000	ND	5.000			UG/L
ETHYLBENZENE	ND	5.000	ND	5.000			UG/L
METHYLENE CHLORIDE	ND	5.000	ND	5.000			UG/L
TETRACHLOROETHENE	ND	5.000	ND	5.000			UG/L
TOLUENE	ND	10.000	ND	10.000			UG/L
TRANS-1,2-DICHLOROETHENE	ND	5.000	ND	5.000			UG/L
TRANS-1,3-DICHLOROPROPENE	ND	5.000	ND	5.000			UG/L
TRICHLOROETHENE	ND	10.000	ND	10.000			UG/L
TRICHLOROFLUOROMETHANE	ND	10.000	ND	10.000			UG/L
VINYL CHLORIDE							

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WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

EVENT SUMMARY REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-11238
MP: 562921
Rev / Task: 00 / 01
Sample Type: WELL
Reported: 10-SEP-1992

Analyte / Sample Point: / Sample Number: / Sampled:	TBK-MW05 AE8922 13-AUG-1992		EML RL			EML RL		EML RL	Units
FIELD DATA:									
DEPTH TO WATER FROM TOP OF CASING									FT
GROUNDWATER ELEV.									FT MSL
PH FIELD									PH UNITS
PH FIELD									PH UNITS
PH FIELD									PH UNITS
PH FIELD									PH UNITS
SPECIFIC CONDUCTANCE FIELD									UMHOS/CM
SPECIFIC CONDUCTANCE FIELD									UMHOS/CM
SPECIFIC CONDUCTANCE FIELD									UMHOS/CM
WATER TEMPERATURE IN DEGREES CELSIUS									DEGREES C
WELL DEPTH TOTAL									FT
CHEMICAL METHODS & ROBOTICS:									
TOTAL ORGANIC CARBON									MG/L
TOTAL ORGANIC CARBON									MG/L
INORGANICS:									
ALUMINUM-DISSOLVED									UG/L
ARSENIC-DISSOLVED									UG/L
BARIUM-DISSOLVED									UG/L
CADMIUM-DISSOLVED									UG/L
CHROMIUM-DISSOLVED									UG/L
COPPER-DISSOLVED									UG/L
LEAD-DISSOLVED									UG/L
MANGANESE-DISSOLVED									UG/L
MERCURY-DISSOLVED									UG/L
NICKEL-DISSOLVED									UG/L
ZINC-DISSOLVED									UG/L
SUB-CONTRACT DATA:									
1,1,1-TRICHLOROETHANE									UG/L
1,1,2,2-TETRACHLOROETHANE									UG/L
1,1,2-TRICHLOROETHANE									UG/L
1,1-DICHLOROETHANE									UG/L
1,1-DICHLOROETHENE									UG/L
1,2-DICHLOROBENZENE	ND	s	1.000						UG/L
1,2-DICHLOROBENZENE									UG/L
1,2-DICHLOROETHANE									UG/L
1,2-DICHLOROPROPANE									UG/L
1,3-DICHLOROBENZENE	ND	s	1.000						UG/L
1,3-DICHLOROBENZENE									UG/L
1,4-DICHLOROBENZENE	ND	s	1.000						UG/L
1,4-DICHLOROBENZENE									UG/L
2-CHLOROETHYLVINYL ETHER									UG/L
BENZENE	ND	s	0.500						UG/L
BROMODICHLOROMETHANE									UG/L
BROMOFORM									UG/L

NA = Not Analyzed ND = Not Detected TBK = Trip Blank s = EML Subcontract Data

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

E V E N T S U M M A R Y R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-11238
MP: 562921
Rev / Task: 00 / 01
Sample Type: WELL
Reported: 10-SEP-1992

Analyte	Sample Point: TBK-MW05 Sample Number: AE8922 Sampled: 13-AUG-1992		EML RL		EML RL		EML RL	Units
BROMOMETHANE								UG/L
CARBON TETRACHLORIDE								UG/L
CHLOROBENZENE	ND	s	0.500					UG/L
CHLOROBENZENE								UG/L
CHLOROETHANE								UG/L
CHLOROFORM								UG/L
CHLOROMETHANE								UG/L
CIS-1,3-DICHLOROPROPENE								UG/L
DIBROMOCHLOROMETHANE								UG/L
DICHLORODIFLUOROMETHANE								UG/L
ETHYLBENZENE	ND	s	0.500					UG/L
METHYLENE CHLORIDE								UG/L
TETRACHLOROETHENE								UG/L
TOLUENE	ND	s	0.500					UG/L
TRANS-1,2-DICHLOROETHENE								UG/L
TRANS-1,3-DICHLOROPROPENE								UG/L
TRICHLOROETHENE								UG/L
TRICHLOROFLUOROMETHANE								UG/L
VINYL CHLORIDE								UG/L
SEMI-VOLATILE ORGANICS:								
1,2,4-TRICHLOROBENZENE								UG/L
1,2-DICHLOROBENZENE								UG/L
1,2-DIPHENYLHYDRAZINE								UG/L
1,3-DICHLOROBENZENE								UG/L
1,4-DICHLOROBENZENE								UG/L
2,4,6-TRICHLOROPHENOL								UG/L
2,4-DICHLOROPHENOL								UG/L
2,4-DIMETHYLPHENOL								UG/L
2,4-DINITROPHENOL								UG/L
2,4-DINITROTOLUENE								UG/L
2,6-DINITROTOLUENE								UG/L
2-CHLORONAPHTHALENE								UG/L
2-CHLOROPHENOL								UG/L
2-NITROPHENOL								UG/L
3,3'-DICHLOROBENZIDINE								UG/L
4,4'-DDD								UG/L
4,4'-DDE								UG/L
4,4'-DDT								UG/L
4,6-DINITRO-2-METHYLPHENOL								UG/L
4-BROMOPHENYL-PHENYL ETHER								UG/L
4-CHLORO-3-METHYLPHENOL								UG/L
4-CHLOROPHENYL-PHENYL ETHER								UG/L
4-NITROPHENOL								UG/L
ACENAPHTHENE								UG/L
ACENAPHTHYLENE								UG/L
ALDRIN								UG/L
ALPHA-BHC								UG/L

NA = Not Analyzed ND = Not Detected TBK = Trip Blank s = EML Subcontract Data

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

EVENT SUMMARY REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-11238
MP: 562921
Rev / Task: 00 / 01
Sample Type: WELL
Reported: 10-SEP-1992

Analyte	Sample Point: TBK-MW05 Sample Number: AE8922 Sampled: 13-AUG-1992	EML RL		EML RL		EML RL	Units
ANTHRACENE							UG/L
AROCLOR-1016							UG/L
AROCLOR-1221							UG/L
AROCLOR-1232							UG/L
AROCLOR-1242							UG/L
AROCLOR-1248							UG/L
AROCLOR-1254							UG/L
AROCLOR-1260							UG/L
BENZIDINE							UG/L
BENZO[A]PYRENE							UG/L
BENZO[B]FLUORANTHENE							UG/L
BENZO[G,H,I]PERYLENE							UG/L
BENZO[K]FLUORANTHENE							UG/L
BENZ[A]ANTHRACENE							UG/L
BETA-BHC							UG/L
BIS(2-CHLOROETHOXY)METHANE							UG/L
BIS(2-CHLOROETHYL)ETHER							UG/L
BIS(2-CHLOROISOPROPYL)ETHER							UG/L
BIS(2-ETHYLHEXYL)PHTHALATE							UG/L
BUTYLBENZYLPHTHALATE							UG/L
CHLORDANE							UG/L
CHRYSENE							UG/L
DELTA-BHC							UG/L
DI-N-BUTYLPHTHALATE							UG/L
DI-N-OCTYLPHTHALATE							UG/L
DIBENZ[A,H]ANTHRACENE							UG/L
DIELDRIN							UG/L
DIETHYLPHTHALATE							UG/L
DIMETHYLPHTHALATE							UG/L
ENDOSULFAN I							UG/L
ENDOSULFAN II							UG/L
ENDOSULFAN SULFATE							UG/L
ENDRIN							UG/L
ENDRIN ALDEHYDE							UG/L
FLUORANTHENE							UG/L
FLUORENE							UG/L
HEPTACHLOR							UG/L
HEPTACHLOR EPOXIDE							UG/L
HEXACHLOROBENZENE							UG/L
HEXACHLOROBUTADIENE							UG/L
HEXACHLOROCYCLOPENTADIENE							UG/L
HEXACHLOROETHANE							UG/L
INDENO[1,2,3-CD]PYRENE							UG/L
ISOPHORONE							UG/L
LINDANE (GAMMA-BHC)							UG/L
N-NITROSODI-N-PROPYLAMINE							UG/L
N-NITROSODIMETHYLAMINE							UG/L
N-NITROSODIPHENYLAMINE							UG/L

NA = Not Analyzed ND = Not Detected TBK = Trip Blank s = EML Subcontract Data

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

EVENT SUMMARY REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-11238
MP: 562921
Rev / Task: 00 / 01
Sample Type: WELL
Reported: 10-SEP-1992

Analyte	Sample Point: TBK-MW05 Sample Number: AE8922 Sampled: 13-AUG-1992	EML RL		EML RL		EML RL	Units
NAPHTHALENE							UG/L
NITROBENZENE							UG/L
PENTACHLOROPHENOL							UG/L
PHENANTHRENE							UG/L
PHENOL							UG/L
PYRENE							UG/L
TOXAPHENE							UG/L
VOLATILE ORGANICS:							
1,1,1-TRICHLOROETHANE	ND	5.000					UG/L
1,1,2,2-TETRACHLOROETHANE	ND	5.000					UG/L
1,1,2-TRICHLOROETHANE	ND	5.000					UG/L
1,1-DICHLOROETHANE	ND	5.000					UG/L
1,1-DICHLOROETHENE	ND	5.000					UG/L
1,2-DICHLOROBENZENE	ND	10.000					UG/L
1,2-DICHLOROETHANE	ND	5.000					UG/L
1,2-DICHLOROPROPANE	ND	5.000					UG/L
1,3-DICHLOROBENZENE	ND	10.000					UG/L
1,4-DICHLOROBENZENE	ND	10.000					UG/L
2-CHLOROETHYLVINYL ETHER	ND	20.000					UG/L
BENZENE	ND	5.000					UG/L
BROMODICHLOROMETHANE	ND	5.000					UG/L
BROMOFORM	ND	5.000					UG/L
BROMOMETHANE	ND	10.000					UG/L
CARBON TETRACHLORIDE	ND	5.000					UG/L
CHLOROBENZENE	ND	5.000					UG/L
CHLOROETHANE	ND	10.000					UG/L
CHLOROFORM	ND	5.000					UG/L
CHLOROMETHANE	ND	10.000					UG/L
CIS-1,3-DICHLOROPROPENE	ND	5.000					UG/L
DIBROMOCHLOROMETHANE	ND	5.000					UG/L
ETHYLBENZENE	ND	5.000					UG/L
METHYLENE CHLORIDE	ND	5.000					UG/L
TETRACHLOROETHENE	ND	5.000					UG/L
TOLUENE	ND	5.000					UG/L
TRANS-1,2-DICHLOROETHENE	ND	10.000					UG/L
TRANS-1,3-DICHLOROPROPENE	ND	5.000					UG/L
TRICHLOROETHENE	ND	5.000					UG/L
TRICHLOROFLUOROMETHANE	ND	10.000					UG/L
VINYL CHLORIDE	ND	10.000					UG/L

NA = Not Analyzed ND = Not Detected TBK = Trip Blank s = EML Subcontract Data

Data Qualifier Comment Code Definitions

AR: Acid surrogate recoveries did not meet the acceptance criteria of the method. Oxidation degradation due to sample matrix was confirmed.

BB: Broken bottle.

BL: The method blank concentration associated with this analyte did not meet the acceptance criteria of the method.

CX: The concentration of this compound exceeded the calibration used for this analysis. The concentration reported is estimated.

CU: Co-elution with another compound interferes with the quantitation of this compound. The concentration reported is estimated.

DL: The sample was diluted during analysis. Reporting limits have been adjusted where necessary.

DP: This sample was analyzed in duplicate. The relative percent difference between the two results did not meet the acceptance criteria of the method.

DW: Dry well

HS: The headspace in this sample bottle exceeded 6 millimeters.

IS: The internal standard recoveries associated with this analysis did not meet the acceptance criteria of the method.

IV: The bottle did not contain enough sample to perform the analysis.

MP: 3-methylhphenol and 4-methylphenol co-elute under the analytical conditions of the method, and can not be differentiated solely on the basis of their mass spectra. The concentrations reported may be either or both isomers.

MX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was in control. The result reported may therefore be affected by matrix interferences.

NN: N-nitrosodiphenylamine can not be distinguished from diphenylamine using gas chromatography. The concentrations reported may be either or both compounds.

NQ: No standard qualifier code is in use for this qualification. See the associated comment.

NS: There was not enough sample to repeat this analysis.

PL: This result may be a product of contamination from phthalate plasticizers, which are a common lab contaminant.

PX: This sample required preservation in the field to a pH of less than 2. The pH was checked after receipt at the lab, and did not have a pH of less than 2.

PY: This sample required preservation in the field to a pH of 4 to 5. The pH was checked after receipt at the lab, and did not have a pH of 4 to 5.

PZ: This sample required preservation in the field to a pH of 12 or greater. The pH was checked after receipt at the lab, and did not have a pH of 12 or greater.

QX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was out-of-control. The analytical result for this parameter in the unspiked sample is suspect and may not be reported for regulatory compliance purposes.

RA: Acid surrogate recoveries associated with this analysis did not meet the acceptance criteria of the method.

RB: Base/neutral surrogate recoveries associated with this analysis did not meet the acceptance criteria of the method.

SB: The analysis of this sample was performed by an approved subcontract laboratory.

ST: This compound is not stable in acidic water.

SU: The analysis of the surrogate with this sample did not meet the acceptance criteria of the method.

TX: The analysis for this parameter was conducted after the holding time specified in the method.

UN: This compound is not stable under the conditions of the analysis.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AE8923

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 13-AUG-1992
Received: 18-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	268.62		FT		FDWDTWTC01
GROUNDWATER ELEV.	NA		FT MSL	NQ	FDWGWELWDT
PH FIELD	6.89		PH UNITS		FDPHQUAD01
PH FIELD	6.89		PH UNITS		FDPHQUAD01
PH FIELD	6.89		PH UNITS		FDPHQUAD01
PH FIELD	6.89		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	675.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	687.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	675.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	744.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	20.1		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	NA		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	1.5	1.000	MG/L		CRTOCDUP02
TOTAL ORGANIC CARBON	1.5	1.000	MG/L		CRTOCDUP02
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	ND	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	44.9	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	102	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	340	50.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	130	50.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	50.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	50.000	UG/L		SBGCFAA101
BENZENE	.55	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	50.000	UG/L		SBGCFAA101
BROMOFORM	ND	50.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	100.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	50.000	UG/L		SBGCFAA101
CHLOROBENZENE	1.5	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	100.000	UG/L		SBGCFAA101
CHLOROFORM	ND	50.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	100.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	60.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	50.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	100.000	UG/L		SBGCFAA101

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
GROUNDWATER ELEV.	INFORMATION NOT AVAILABLE YET. EH 8/21/92
1,1,1-TRICHLOROETHANE	CAL ENSECO
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AE8923

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 13-AUG-1992
Received: 18-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	50.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	1900	50.000	UG/L		SBGCFAA101
TOLUENE	.52	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	50.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	50.000	UG/L		SBGCFAA101
TRICHLOROETHENE	600	50.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	100.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	100.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: DUP
Sample Type: WELL
Sample Number: AE8923

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 13-AUG-1992
Received: 18-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L		SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
1,1,1-TRICHLOROETHANE	290.	250.000	UG/L	HS	VOMSBAN301
1,1,2,2-TETRACHLOROETHANE	ND	250.000	UG/L	HS	VOMSBAN301
1,1,2-TRICHLOROETHANE	ND	250.000	UG/L	HS	VOMSBAN301
1,1-DICHLOROETHANE	ND	250.000	UG/L	HS	VOMSBAN301
1,1-DICHLOROETHENE	ND	250.000	UG/L	HS	VOMSBAN301
1,2-DICHLOROBENZENE	ND	250.000	UG/L	HS	VOMSBAN301
1,2-DICHLOROETHANE	ND	250.000	UG/L	HS	VOMSBAN301
1,2-DICHLOROPROPANE	ND	250.000	UG/L	HS	VOMSBAN301
1,3-DICHLOROBENZENE	ND	250.000	UG/L	HS	VOMSBAN301
1,4-DICHLOROBENZENE	ND	250.000	UG/L	HS	VOMSBAN301
2-CHLOROETHYLVINYL ETHER	ND	1000.000	UG/L	HS,ST	VOMSBAN301
BENZENE	ND	50.000	UG/L	HS	VOMSBAN301
BROMODICHLOROMETHANE	ND	250.000	UG/L	HS	VOMSBAN301
BROMOFORM	ND	250.000	UG/L	HS	VOMSBAN301
BROMOMETHANE	ND	250.000	UG/L	HS	VOMSBAN301
CARBON TETRACHLORIDE	ND	50.000	UG/L	HS	VOMSBAN301
CHLOROBENZENE	ND	250.000	UG/L	HS	VOMSBAN301
CHLOROETHANE	ND	500.000	UG/L	HS	VOMSBAN301
CHLOROFORM	ND	250.000	UG/L	HS	VOMSBAN301
CHLOROMETHANE	ND	500.000	UG/L	HS	VOMSBAN301
CIS-1,3-DICHLOROPROPENE	ND	250.000	UG/L	HS	VOMSBAN301
DIBROMOCHLOROMETHANE	ND	250.000	UG/L	HS	VOMSBAN301
ETHYLBENZENE	ND	250.000	UG/L	HS	VOMSBAN301
METHYLENE CHLORIDE	ND	250.000	UG/L	HS	VOMSBAN301
TETRACHLOROETHENE	1500.	250.000	UG/L	HS	VOMSBAN301
TOLUENE	ND	250.000	UG/L	HS	VOMSBAN301
TRANS-1,2-DICHLOROETHENE	ND	250.000	UG/L	HS	VOMSBAN301
TRANS-1,3-DICHLOROPROPENE	ND	250.000	UG/L	HS	VOMSBAN301
TRICHLOROETHENE	610.	250.000	UG/L	HS	VOMSBAN301
TRICHLOROFLUOROMETHANE	ND	250.000	UG/L	HS	VOMSBAN301
VINYL CHLORIDE	ND	500.000	UG/L	HS	VOMSBAN301

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
OMSBAN301	Dilution factor 50 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AE8926

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 10-AUG-1992
Received: 11-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	276.30		FT		FDWDTWTC01
GROUNDWATER ELEV.	NA		FT MSL	NQ	FDWGWELWDT
PH FIELD	6.43		PH UNITS		FDPHQUAD01
PH FIELD	6.43		PH UNITS		FDPHQUAD01
PH FIELD	6.43		PH UNITS		FDPHQUAD01
PH FIELD	6.43		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	600.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	604.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	615.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	631.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	22.2		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	NA		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	5.8	1.000	MG/L		CRTOCDUP02
TOTAL ORGANIC CARBON	5.6	1.000	MG/L		CRTOCDUP02
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	ND	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	ND	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	92	5.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	10.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	ND	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	ND	5.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
GROUNDWATER ELEV.	INFORMATION NOT YET AVALIABLE. MS 8-12-92**
1,1,1-TRICHLOROETHANE	CAL ENSECO
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AE8926

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 10-AUG-1992
Received: 11-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	150	5.000	UG/L		SBGCFAA101
TOLUENE	1.4	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	150	5.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW01
Sample Type: WELL
Sample Number: AE8926

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 10-AUG-1992
Received: 11-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L		SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
1,1,1-TRICHLOROETHANE	150.	50.000	UG/L	HS,MX	VOMSBAN301
1,1,2,2-TETRACHLOROETHANE	ND	50.000	UG/L	HS,MX	VOMSBAN301
1,1,2-TRICHLOROETHANE	ND	50.000	UG/L	HS,MX	VOMSBAN301
1,1-DICHLOROETHANE	ND	50.000	UG/L	HS,MX	VOMSBAN301
1,1-DICHLOROETHENE	97.	50.000	UG/L	HS,MX	VOMSBAN301
1,2-DICHLOROBENZENE	ND	50.000	UG/L	HS,MX	VOMSBAN301
1,2-DICHLOROETHANE	ND	50.000	UG/L	HS,MX	VOMSBAN301
1,2-DICHLOROPROPANE	ND	50.000	UG/L	HS,MX	VOMSBAN301
1,3-DICHLOROBENZENE	ND	50.000	UG/L	HS,MX	VOMSBAN301
1,4-DICHLOROBENZENE	ND	50.000	UG/L	HS,MX	VOMSBAN301
2-CHLOROETHYLVINYL ETHER	ND	200.000	UG/L	HS,MX,ST	VOMSBAN301
BENZENE	ND	10.000	UG/L	HS,MX	VOMSBAN301
BROMODICHLOROMETHANE	ND	50.000	UG/L	HS,MX	VOMSBAN301
BROMOFORM	ND	50.000	UG/L	HS,MX	VOMSBAN301
BROMOMETHANE	ND	50.000	UG/L	HS,MX	VOMSBAN301
CARBON TETRACHLORIDE	ND	10.000	UG/L	HS,MX	VOMSBAN301
CHLOROBENZENE	ND	50.000	UG/L	HS,MX	VOMSBAN301
CHLOROETHANE	ND	100.000	UG/L	HS,MX	VOMSBAN301
CHLOROFORM	ND	50.000	UG/L	HS,MX	VOMSBAN301
CHLOROMETHANE	ND	100.000	UG/L	HS,MX	VOMSBAN301
CIS-1,3-DICHLOROPROPENE	ND	50.000	UG/L	HS,MX	VOMSBAN301
DIBROMOCHLOROMETHANE	ND	50.000	UG/L	HS,MX	VOMSBAN301
ETHYLBENZENE	ND	50.000	UG/L	HS,MX	VOMSBAN301
METHYLENE CHLORIDE	ND	50.000	UG/L	HS,MX	VOMSBAN301
TETRACHLOROETHENE	320.	50.000	UG/L	HS,MX	VOMSBAN301
TOLUENE	ND	50.000	UG/L	HS,MX	VOMSBAN301
TRANS-1,2-DICHLOROETHENE	ND	50.000	UG/L	HS,MX	VOMSBAN301
TRANS-1,3-DICHLOROPROPENE	ND	50.000	UG/L	HS,MX	VOMSBAN301
TRICHLOROETHENE	280.	50.000	UG/L	HS,MX	VOMSBAN301
TRICHLOROFLUOROMETHANE	ND	50.000	UG/L	HS,MX	VOMSBAN301
VINYL CHLORIDE	ND	100.000	UG/L	HS,MX	VOMSBAN301

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
OMSBAN301	Dilution factor 10 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW02
Sample Type: WELL
Sample Number: AE8925

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 10-AUG-1992
Received: 12-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	273.46		FT		FDWDTWTC01
GROUNDWATER ELEV.	NA		FT MSL	NQ	FDWGWELWDT
PH FIELD	6.03		PH UNITS		FDPHQUAD01
PH FIELD	6.03		PH UNITS		FDPHQUAD01
PH FIELD	5.97		PH UNITS		FDPHQUAD01
PH FIELD	5.84		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	599.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	610.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	624.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	617.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	21.7		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	NA		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP02
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP02
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	ND	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	75.0	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	790	50.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	260	50.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	50.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	50.000	UG/L		SBGCFAA101
BENZENE	4.5	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	50.000	UG/L		SBGCFAA101
BROMOFORM	ND	50.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	100.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	50.000	UG/L		SBGCFAA101
CHLOROBENZENE	2	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	100.000	UG/L		SBGCFAA101
CHLOROFORM	ND	50.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	100.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	60.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	50.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	100.000	UG/L		SBGCFAA101

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
GROUNDWATER ELEV.	INFORMATION NOT YET AVALIABLE. MS 8-14-92***
1,1,1-TRICHLOROETHANE	CAL ENSECO
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW02
Sample Type: WELL
Sample Number: AE8925

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 10-AUG-1992
Received: 12-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	50.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	1600	50.000	UG/L		SBGCFAA101
TOLUENE	.64	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	50.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	50.000	UG/L		SBGCFAA101
TRICHLOROETHENE	1600	50.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	100.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	100.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG,L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW02
Sample Type: WELL
Sample Number: AE8925

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 10-AUG-1992
Received: 12-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L		SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
1,1,1-TRICHLOROETHANE	630.	250.000	UG/L		VOMSBAN301
1,1,2,2-TETRACHLOROETHANE	ND	250.000	UG/L		VOMSBAN301
1,1,2-TRICHLOROETHANE	ND	250.000	UG/L		VOMSBAN301
1,1-DICHLOROETHANE	ND	250.000	UG/L		VOMSBAN301
1,1-DICHLOROETHENE	310.	250.000	UG/L		VOMSBAN301
1,2-DICHLOROBENZENE	ND	250.000	UG/L		VOMSBAN301
1,2-DICHLOROETHANE	ND	250.000	UG/L		VOMSBAN301
1,2-DICHLOROPROPANE	ND	250.000	UG/L		VOMSBAN301
1,3-DICHLOROBENZENE	ND	250.000	UG/L		VOMSBAN301
1,4-DICHLOROBENZENE	ND	250.000	UG/L		VOMSBAN301
2-CHLOROETHYLVINYL ETHER	ND	1000.000	UG/L	ST	VOMSBAN301
BENZENE	ND	50.000	UG/L		VOMSBAN301
BROMODICHLOROMETHANE	ND	250.000	UG/L		VOMSBAN301
BROMOFORM	ND	250.000	UG/L		VOMSBAN301
BROMOMETHANE	ND	250.000	UG/L		VOMSBAN301
CARBON TETRACHLORIDE	ND	50.000	UG/L		VOMSBAN301
CHLOROBENZENE	ND	250.000	UG/L		VOMSBAN301
CHLOROETHANE	ND	500.000	UG/L		VOMSBAN301
CHLOROFORM	ND	250.000	UG/L		VOMSBAN301
CHLOROMETHANE	ND	500.000	UG/L		VOMSBAN301
CIS-1,3-DICHLOROPROPENE	ND	250.000	UG/L		VOMSBAN301
DIBROMOCHLOROMETHANE	ND	250.000	UG/L		VOMSBAN301
ETHYLBENZENE	ND	250.000	UG/L		VOMSBAN301
METHYLENE CHLORIDE	ND	250.000	UG/L		VOMSBAN301
TETRACHLOROETHENE	1400.	250.000	UG/L		VOMSBAN301
TOLUENE	ND	250.000	UG/L		VOMSBAN301
TRANS-1,2-DICHLOROETHENE	ND	250.000	UG/L		VOMSBAN301
TRANS-1,3-DICHLOROPROPENE	ND	250.000	UG/L		VOMSBAN301
TRICHLOROETHENE	1400.	250.000	UG/L		VOMSBAN301
TRICHLOROFLUOROMETHANE	ND	250.000	UG/L		VOMSBAN301
VINYL CHLORIDE	ND	500.000	UG/L		VOMSBAN301

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
VOMSBAN301	Dilution factor 50.00 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AE8924

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 10-AUG-1992
Received: 12-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	266.41		FT		FDWDTWTC01
GROUNDWATER ELEV.	NA		FT MSL	NQ	FDWGWELWDT
PH FIELD	6.20		PH UNITS		FDPHQUAD01
PH FIELD	6.20		PH UNITS		FDPHQUAD01
PH FIELD	6.20		PH UNITS		FDPHQUAD01
PH FIELD	6.22		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	620.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	628.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	617.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	595.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	23.0		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	NA		FT		FDWGWELWDT
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	10.1	1.000	MG/L		CRTOCDUP02
TOTAL ORGANIC CARBON	10.2	1.000	MG/L	NQ,NS	CRTOCDUP02
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	200	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	ND	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	190	5.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	120	5.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	5.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	10.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	10.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	5.000	UG/L		SBGCFAA101
CHLOROBENZENE	ND	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	5.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	10.000	UG/L		SBGCFAA101
CHLOROFORM	ND	5.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	10.000	UG/L		SBGCFAA101

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
GROUNDWATER ELEV.	INFORMATION NOT YET AVALIABLE. MS 8-14-92***
TOTAL ORGANIC CARBON	External Failure due to insufficient volume. Reanalysis of other samples associated with the failed external shows comparable results.
1,1,1-TRICHLOROETHANE	CAL ENSECO
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AE8924

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 10-AUG-1992
Received: 12-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
CIS-1,3-DICHLOROPROPENE	ND	6.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	660	50.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	5.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		SBGCFAA101
TRICHLOROETHENE	480	50.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	10.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AE8924

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 10-AUG-1992
Received: 12-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L		SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
1,1,1-TRICHLOROETHANE	170.	71.450	UG/L	HS	VOMSBAN301
1,1,2,2-TETRACHLOROETHANE	ND	71.450	UG/L	HS	VOMSBAN301
1,1,2-TRICHLOROETHANE	ND	71.450	UG/L	HS	VOMSBAN301
1,1-DICHLOROETHANE	ND	71.450	UG/L	HS	VOMSBAN301
1,1-DICHLOROETHENE	110.	71.450	UG/L	HS	VOMSBAN301
1,2-DICHLOROBENZENE	ND	71.450	UG/L	HS	VOMSBAN301
1,2-DICHLOROETHANE	ND	71.450	UG/L	HS	VOMSBAN301
1,2-DICHLOROPROPANE	ND	71.450	UG/L	HS	VOMSBAN301
1,3-DICHLOROBENZENE	ND	71.450	UG/L	HS	VOMSBAN301
1,4-DICHLOROBENZENE	ND	71.450	UG/L	HS	VOMSBAN301
2-CHLOROETHYLVINYL ETHER	ND	285.800	UG/L	HS,ST	VOMSBAN301
BENZENE	ND	14.290	UG/L	HS	VOMSBAN301
BROMODICHLOROMETHANE	ND	71.450	UG/L	HS	VOMSBAN301
BROMOFORM	ND	71.450	UG/L	HS	VOMSBAN301
BROMOMETHANE	ND	71.450	UG/L	HS	VOMSBAN301
CARBON TETRACHLORIDE	ND	14.290	UG/L	HS	VOMSBAN301
CHLOROBENZENE	ND	71.450	UG/L	HS	VOMSBAN301
CHLOROETHANE	ND	142.900	UG/L	HS	VOMSBAN301
CHLOROFORM	ND	71.450	UG/L	HS	VOMSBAN301
CHLOROMETHANE	ND	142.900	UG/L	HS	VOMSBAN301
CIS-1,3-DICHLOROPROPENE	ND	71.450	UG/L	HS	VOMSBAN301
DIBROMOCHLOROMETHANE	ND	71.450	UG/L	HS	VOMSBAN301
ETHYLBENZENE	ND	71.450	UG/L	HS	VOMSBAN301
METHYLENE CHLORIDE	ND	71.450	UG/L	HS	VOMSBAN301
TETRACHLOROETHENE	410.	71.450	UG/L	HS	VOMSBAN301
TOLUENE	ND	71.450	UG/L	HS	VOMSBAN301
TRANS-1,2-DICHLOROETHENE	ND	71.450	UG/L	HS	VOMSBAN301
TRANS-1,3-DICHLOROPROPENE	ND	71.450	UG/L	HS	VOMSBAN301
TRICHLOROETHENE	360.	71.450	UG/L	HS	VOMSBAN301
TRICHLOROFLUOROMETHANE	ND	71.450	UG/L	HS	VOMSBAN301

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
VOMSBAN301	Dilution factor 14.29 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW03
Sample Type: WELL
Sample Number: AE8924

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 10-AUG-1992
Received: 12-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
VINYL CHLORIDE	ND	142.900	UG/L	HS	VOMSBAN301

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AE8927

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 13-AUG-1992
Received: 18-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP02
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP02
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	259	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	55.4	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	ND	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	900	50.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	93	50.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	340	50.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	1.2	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	400	50.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	50.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	1	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	50.000	UG/L		SBGCFAA101
BENZENE	1.1	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	50.000	UG/L		SBGCFAA101
BROMOFORM	ND	50.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	100.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	50.000	UG/L		SBGCFAA101
CHLOROBENZENE	3.4	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	100.000	UG/L		SBGCFAA101
CHLOROFORM	110	50.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	100.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	60.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	50.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	100.000	UG/L		SBGCFAA101
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	50.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	2000	50.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	50.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	50.000	UG/L		SBGCFAA101
TRICHLOROETHENE	1900	50.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	100.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	100.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	CAL ENSECO
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AE8927

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 13-AUG-1992
Received: 18-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AE8927

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 13-AUG-1992
Received: 18-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L		SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
1,1,1-TRICHLOROETHANE	770.	357.100	UG/L	HS	VOMSBAN301
1,1,2,2-TETRACHLOROETHANE	ND	357.100	UG/L	HS	VOMSBAN301
1,1,2-TRICHLOROETHANE	ND	357.100	UG/L	HS	VOMSBAN301
1,1-DICHLOROETHANE	ND	357.100	UG/L	HS	VOMSBAN301
1,1-DICHLOROETHENE	ND	357.100	UG/L	HS	VOMSBAN301
1,2-DICHLOROBENZENE	ND	357.100	UG/L	HS	VOMSBAN301
1,2-DICHLOROETHANE	410.	357.100	UG/L	HS	VOMSBAN301
1,2-DICHLOROPROPANE	ND	357.100	UG/L	HS	VOMSBAN301
1,3-DICHLOROBENZENE	ND	357.100	UG/L	HS	VOMSBAN301
1,4-DICHLOROBENZENE	ND	357.100	UG/L	HS	VOMSBAN301
2-CHLOROETHYLVINYL ETHER	ND	1428.400	UG/L	HS,ST	VOMSBAN301
BENZENE	ND	71.420	UG/L	HS	VOMSBAN301
BROMODICHLOROMETHANE	ND	357.100	UG/L	HS	VOMSBAN301
BROMOFORM	ND	357.100	UG/L	HS	VOMSBAN301
BROMOMETHANE	ND	357.100	UG/L	HS	VOMSBAN301
CARBON TETRACHLORIDE	ND	71.420	UG/L	HS	VOMSBAN301
CHLOROBENZENE	ND	357.100	UG/L	HS	VOMSBAN301
CHLOROETHANE	ND	714.200	UG/L	HS	VOMSBAN301
CHLOROFORM	ND	357.100	UG/L	HS	VOMSBAN301
CHLOROMETHANE	ND	714.200	UG/L	HS	VOMSBAN301
CIS-1,3-DICHLOROPROPENE	ND	357.100	UG/L	HS	VOMSBAN301
DIBROMOCHLOROMETHANE	ND	357.100	UG/L	HS	VOMSBAN301
ETHYLBENZENE	ND	357.100	UG/L	HS	VOMSBAN301
METHYLENE CHLORIDE	ND	357.100	UG/L	HS	VOMSBAN301
TETRACHLOROETHENE	1300.	357.100	UG/L	HS	VOMSBAN301
TOLUENE	ND	357.100	UG/L	HS	VOMSBAN301
TRANS-1,2-DICHLOROETHENE	ND	357.100	UG/L	HS	VOMSBAN301
TRANS-1,3-DICHLOROPROPENE	ND	357.100	UG/L	HS	VOMSBAN301
TRICHLOROETHENE	1900.	357.100	UG/L	HS	VOMSBAN301
TRICHLOROFLUOROMETHANE	ND	357.100	UG/L	HS	VOMSBAN301
VINYL CHLORIDE	ND	714.200	UG/L	HS	VOMSBAN301

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
VOMSBAN301	Dilution factor 71.42 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW04
Sample Type: WELL
Sample Number: AE8927

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 13-AUG-1992
Received: 4-SEP-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	268.10		FT		FDWDTWTC01
GROUNDWATER ELEV.	NA		FT MSL	NQ	FDWGWELWDT
PH FIELD	6.69		PH UNITS		FDPHQUAD01
PH FIELD	6.69		PH UNITS		FDPHQUAD01
PH FIELD	6.69		PH UNITS		FDPHQUAD01
PH FIELD	6.68		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	830.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	835.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	819.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	809.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	22.1		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	NA		FT		FDWGWELWDT

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
GROUNDWATER ELEV.	INFORMATION NOT AVAILABLE YET. EH 8/21/92

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AE8922

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 13-AUG-1992
Received: 18-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
CHEMICAL METHODS & ROBOTICS:					
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP02
TOTAL ORGANIC CARBON	ND	1.000	MG/L		CRTOCDUP02
INORGANICS:					
ALUMINUM-DISSOLVED	ND	200.000	UG/L		INICPDISAL
ARSENIC-DISSOLVED	ND	10.000	UG/L		INGFAADIAS
BARIUM-DISSOLVED	ND	200.000	UG/L		INICPDISBA
CADMIUM-DISSOLVED	ND	5.000	UG/L		INICPDISCD
CHROMIUM-DISSOLVED	ND	10.000	UG/L		INICPDISCR
COPPER-DISSOLVED	ND	25.000	UG/L		INICPDISCU
LEAD-DISSOLVED	ND	5.000	UG/L		INGFAADIPB
MANGANESE-DISSOLVED	60.6	15.000	UG/L		INICPDISMN
MERCURY-DISSOLVED	ND	0.200	UG/L		INCVAADIHG
NICKEL-DISSOLVED	ND	40.000	UG/L		INICPDISNI
ZINC-DISSOLVED	110	20.000	UG/L		INICPDISZN
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	380	50.000	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	120	50.000	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	ND	50.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	50.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	50.000	UG/L		SBGCFAA101
BENZENE	.51	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	50.000	UG/L		SBGCFAA101
BROMOFORM	ND	50.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	100.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	50.000	UG/L		SBGCFAA101
CHLOROBENZENE	1.5	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	50.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	100.000	UG/L		SBGCFAA101
CHLOROFORM	ND	50.000	UG/L		SBGCFAA101
CHLOROMETHANE	ND	100.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	60.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	50.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	100.000	UG/L		SBGCFAA101
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	50.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	2200	50.000	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	50.000	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	50.000	UG/L		SBGCFAA101
TRICHLOROETHENE	690	50.000	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	100.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	100.000	UG/L		SBGCFAA101
SEMI-VOLATILE ORGANICS:					
1,2,4-TRICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
1,2-DIPHENYLHYDRAZINE	ND	10.000	UG/L		SVMS1BNA06
1,3-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	CAL ENSECO
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AE8922

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 13-AUG-1992
Received: 18-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
1,4-DICHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
2,4,6-TRICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DICHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DIMETHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
2,4-DINITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
2,4-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2,6-DINITROTOLUENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLORONAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
2-CHLOROPHENOL	ND	10.000	UG/L		SVMS1BNA06
2-NITROPHENOL	ND	10.000	UG/L		SVMS1BNA06
3,3'-DICHLOROBENZIDINE	ND	20.000	UG/L		SVMS1BNA06
4,4'-DDD	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDE	ND	0.100	UG/L		SVGC1PTP01
4,4'-DDT	ND	0.100	UG/L		SVGC1PTP01
4,6-DINITRO-2-METHYLPHENOL	ND	50.000	UG/L		SVMS1BNA06
4-BROMOPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-CHLORO-3-METHYLPHENOL	ND	10.000	UG/L		SVMS1BNA06
4-CHLOROPHENYL-PHENYL ETHER	ND	10.000	UG/L		SVMS1BNA06
4-NITROPHENOL	ND	50.000	UG/L		SVMS1BNA06
ACENAPHTHENE	ND	10.000	UG/L		SVMS1BNA06
ACENAPHTHYLENE	ND	10.000	UG/L		SVMS1BNA06
ALDRIN	ND	0.100	UG/L		SVGC1PTP01
ALPHA-BHC	ND	0.100	UG/L		SVGC1PTP01
ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
AROCLOR-1016	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1221	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1232	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1242	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1248	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1254	ND	1.000	UG/L		SVGC1PTP01
AROCLOR-1260	ND	1.000	UG/L		SVGC1PTP01
BENZIDINE	ND	50.000	UG/L		SVMS1BNA06
BENZO[A]PYRENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[B]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[G,H,I]PERYLENE	ND	10.000	UG/L		SVMS1BNA06
BENZO[K]FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
BENZ[A]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
BETA-BHC	ND	0.100	UG/L		SVGC1PTP01
BIS(2-CHLOROETHOXY)METHANE	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROETHYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-CHLOROISOPROPYL)ETHER	ND	10.000	UG/L		SVMS1BNA06
BIS(2-ETHYLHEXYL)PHTHALATE	ND	50.000	UG/L		SVMS1BNA06
BUTYLBENZYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
CHLORDANE	ND	1.000	UG/L		SVGC1PTP01
CHRYSENE	ND	10.000	UG/L		SVMS1BNA06
DELTA-BHC	ND	0.050	UG/L		SVGC1PTP01
DI-N-BUTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DI-N-OCTYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIBENZ[A,H]ANTHRACENE	ND	10.000	UG/L		SVMS1BNA06
DIELDRIN	ND	0.100	UG/L		SVGC1PTP01
DIETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
DIMETHYLPHTHALATE	ND	10.000	UG/L		SVMS1BNA06
ENDOSULFAN I	ND	0.050	UG/L		SVGC1PTP01
ENDOSULFAN II	ND	0.100	UG/L		SVGC1PTP01
ENDOSULFAN SULFATE	ND	0.500	UG/L		SVGC1PTP01
ENDRIN	ND	0.100	UG/L		SVGC1PTP01
ENDRIN ALDEHYDE	ND	0.100	UG/L		SVGC1PTP01
FLUORANTHENE	ND	10.000	UG/L		SVMS1BNA06
FLUORENE	ND	10.000	UG/L		SVMS1BNA06
HEPTACHLOR	ND	0.050	UG/L		SVGC1PTP01
HEPTACHLOR EPOXIDE	ND	0.500	UG/L		SVGC1PTP01
HEXACHLOROBENZENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROBUTADIENE	ND	10.000	UG/L		SVMS1BNA06
HEXACHLOROCYCLOPENTADIENE	ND	100.000	UG/L		SVMS1BNA06
HEXACHLOROETHANE	ND	10.000	UG/L		SVMS1BNA06
INDENO[1,2,3-CD]PYRENE	ND	10.000	UG/L		SVMS1BNA06
ISOPHORONE	ND	10.000	UG/L		SVMS1BNA06

NA = Not Analyzed **ND** = Not Detected **TBK** = Trip Blank

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AE8922

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 13-AUG-1992
Received: 18-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
LINDANE (GAMMA-BHC)	ND	0.100	UG/L		SVGC1PTP01
N-NITROSODI-N-PROPYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIMETHYLAMINE	ND	10.000	UG/L		SVMS1BNA06
N-NITROSODIPHENYLAMINE	ND	10.000	UG/L		SVMS1BNA06
NAPHTHALENE	ND	10.000	UG/L		SVMS1BNA06
NITROBENZENE	ND	10.000	UG/L		SVMS1BNA06
PENTACHLOROPHENOL	ND	50.000	UG/L		SVMS1BNA06
PHENANTHRENE	ND	10.000	UG/L		SVMS1BNA06
PHENOL	ND	10.000	UG/L		SVMS1BNA06
PYRENE	ND	10.000	UG/L		SVMS1BNA06
TOXAPHENE	ND	1.000	UG/L		SVGC1PTP01
VOLATILE ORGANICS:					
1,1,1-TRICHLOROETHANE	280.	250.000	UG/L	HS	VOMSBAN301
1,1,2,2-TETRACHLOROETHANE	ND	250.000	UG/L	HS	VOMSBAN301
1,1,2-TRICHLOROETHANE	ND	250.000	UG/L	HS	VOMSBAN301
1,1-DICHLOROETHANE	ND	250.000	UG/L	HS	VOMSBAN301
1,1-DICHLOROETHENE	ND	250.000	UG/L	HS	VOMSBAN301
1,2-DICHLOROBENZENE	ND	250.000	UG/L	HS	VOMSBAN301
1,2-DICHLOROETHANE	ND	250.000	UG/L	HS	VOMSBAN301
1,2-DICHLOROPROPANE	ND	250.000	UG/L	HS	VOMSBAN301
1,3-DICHLOROBENZENE	ND	250.000	UG/L	HS	VOMSBAN301
1,4-DICHLOROBENZENE	ND	250.000	UG/L	HS	VOMSBAN301
2-CHLOROETHYLVINYL ETHER	ND	1000.000	UG/L	HS,ST	VOMSBAN301
BENZENE	ND	50.000	UG/L	HS	VOMSBAN301
BROMODICHLOROMETHANE	ND	250.000	UG/L	HS	VOMSBAN301
BROMOFORM	ND	250.000	UG/L	HS	VOMSBAN301
BROMOMETHANE	ND	250.000	UG/L	HS	VOMSBAN301
CARBON TETRACHLORIDE	ND	50.000	UG/L	HS	VOMSBAN301
CHLOROBENZENE	ND	250.000	UG/L	HS	VOMSBAN301
CHLOROETHANE	ND	500.000	UG/L	HS	VOMSBAN301
CHLOROFORM	ND	250.000	UG/L	HS	VOMSBAN301
CHLOROMETHANE	ND	500.000	UG/L	HS	VOMSBAN301
CIS-1,3-DICHLOROPROPENE	ND	250.000	UG/L	HS	VOMSBAN301
DIBROMOCHLOROMETHANE	ND	250.000	UG/L	HS	VOMSBAN301
ETHYLBENZENE	ND	250.000	UG/L	HS	VOMSBAN301
METHYLENE CHLORIDE	ND	250.000	UG/L	HS	VOMSBAN301
TETRACHLOROETHENE	1600.	250.000	UG/L	HS	VOMSBAN301
TOLUENE	ND	250.000	UG/L	HS	VOMSBAN301
TRANS-1,2-DICHLOROETHENE	ND	250.000	UG/L	HS	VOMSBAN301
TRANS-1,3-DICHLOROPROPENE	ND	250.000	UG/L	HS	VOMSBAN301
TRICHLOROETHENE	600.	250.000	UG/L	HS	VOMSBAN301
TRICHLOROFLUOROMETHANE	ND	250.000	UG/L	HS	VOMSBAN301
VINYL CHLORIDE	ND	500.000	UG/L	HS	VOMSBAN301

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
VOMSBAN301	Dilution factor 50 applied.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: MW05
Sample Type: WELL
Sample Number: AE8922

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 13-AUG-1992
Received: 4-SEP-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
FIELD DATA:					
DEPTH TO WATER FROM TOP OF CASING	268.62		FT		FDWDTWTC01
GROUNDWATER ELEV.	NA		FT MSL	NQ	FDWGWELWDT
PH FIELD	6.89		PH UNITS		FDPHQUAD01
PH FIELD	6.89		PH UNITS		FDPHQUAD01
PH FIELD	6.89		PH UNITS		FDPHQUAD01
PH FIELD	6.89		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	675.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	687.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	675.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	744.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	20.1		DEGREES C		FDXTEMPC01
WELL DEPTH TOTAL	NA		FT		FDWGWELWDT

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
GROUNDWATER ELEV.	INFORMATION NOT AVAILABLE YET. EH 8/21/92

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 — O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: TBK-MW01
Sample Type: WELL
Sample Number: AE8926

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 10-AUG-1992
Received: 11-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
VOLATILE ORGANICS:					
1,1,1-TRICHLOROETHANE	ND	5.000	UG/L	HS	VOMSBAN301
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L	HS	VOMSBAN301
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L	HS	VOMSBAN301
1,1-DICHLOROETHANE	ND	5.000	UG/L	HS	VOMSBAN301
1,1-DICHLOROETHENE	ND	5.000	UG/L	HS	VOMSBAN301
1,2-DICHLOROBENZENE	ND	10.000	UG/L	HS	VOMSBAN301
1,2-DICHLOROETHANE	ND	5.000	UG/L	HS	VOMSBAN301
1,2-DICHLOROPROPANE	ND	5.000	UG/L	HS	VOMSBAN301
1,3-DICHLOROBENZENE	ND	10.000	UG/L	HS	VOMSBAN301
1,4-DICHLOROBENZENE	ND	10.000	UG/L	HS	VOMSBAN301
2-CHLOROETHYLVINYL ETHER	ND	20.000	UG/L	HS,ST	VOMSBAN301
BENZENE	ND	5.000	UG/L	HS	VOMSBAN301
BROMODICHLOROMETHANE	ND	5.000	UG/L	HS	VOMSBAN301
BROMOFORM	ND	5.000	UG/L	HS	VOMSBAN301
BROMOMETHANE	ND	10.000	UG/L	HS	VOMSBAN301
CARBON TETRACHLORIDE	ND	5.000	UG/L	HS	VOMSBAN301
CHLOROBENZENE	ND	5.000	UG/L	HS	VOMSBAN301
CHLOROETHANE	ND	10.000	UG/L	HS	VOMSBAN301
CHLOROFORM	ND	5.000	UG/L	HS	VOMSBAN301
CHLOROMETHANE	ND	10.000	UG/L	HS	VOMSBAN301
CIS-1,3-DICHLOROPROPENE	ND	5.000	UG/L	HS	VOMSBAN301
DIBROMOCHLOROMETHANE	ND	5.000	UG/L	HS	VOMSBAN301
ETHYLBENZENE	ND	5.000	UG/L	HS	VOMSBAN301
METHYLENE CHLORIDE	ND	5.000	UG/L	HS	VOMSBAN301
TETRACHLOROETHENE	ND	5.000	UG/L	HS	VOMSBAN301
TOLUENE	ND	5.000	UG/L	HS	VOMSBAN301
TRANS-1,2-DICHLOROETHENE	ND	10.000	UG/L	HS	VOMSBAN301
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L	HS	VOMSBAN301
TRICHLOROETHENE	ND	5.000	UG/L	HS	VOMSBAN301
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L	HS	VOMSBAN301
VINYL CHLORIDE	ND	10.000	UG/L	HS	VOMSBAN301

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: TBK-MW01
Sample Type: WELL
Sample Number: AE8926

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 10-AUG-1992
Received: 4-SEP-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
SUB-CONTRACT DATA:					
1,1,1-TRICHLOROETHANE	ND	0.500	UG/L	NQ,SB	SBGCFAA101
1,1,2,2-TETRACHLOROETHANE	ND	1.000	UG/L		SBGCFAA101
1,1,2-TRICHLOROETHANE	ND	1.000	UG/L		SBGCFAA101
1,1-DICHLOROETHANE	ND	0.500	UG/L		SBGCFAA101
1,1-DICHLOROETHENE	ND	0.500	UG/L		SBGCFAA101
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,2-DICHLOROBENZENE	ND	1.000	UG/L		SBGCFAA101
1,2-DICHLOROETHANE	ND	1.000	UG/L		SBGCFAA101
1,2-DICHLOROPROPANE	ND	1.000	UG/L		SBGCFAA101
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCFAA101
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCFAA101
2-CHLOROETHYLVINYL ETHER	ND	10.000	UG/L		SBGCFAA101
BENZENE	ND	0.500	UG/L		SBGCAAA201
BROMODICHLOROMETHANE	ND	1.000	UG/L		SBGCFAA101
BROMOFORM	ND	5.000	UG/L		SBGCFAA101
BROMOMETHANE	ND	5.000	UG/L		SBGCFAA101
CARBON TETRACHLORIDE	ND	0.500	UG/L		SBGCFAA101
CHLOROBENZENE	ND	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	2.000	UG/L		SBGCFAA101
CHLOROETHANE	ND	5.000	UG/L		SBGCFAA101
CHLOROFORM	ND	0.500	UG/L		SBGCFAA101
CHLOROMETHANE	ND	5.000	UG/L		SBGCFAA101
CIS-1,3-DICHLOROPROPENE	ND	2.000	UG/L		SBGCFAA101
DIBROMOCHLOROMETHANE	ND	1.000	UG/L		SBGCFAA101
DICHLORODIFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
METHYLENE CHLORIDE	ND	5.000	UG/L		SBGCFAA101
TETRACHLOROETHENE	ND	0.500	UG/L		SBGCFAA101
TOLUENE	ND	0.500	UG/L		SBGCAAA201
TRANS-1,2-DICHLOROETHENE	ND	0.500	UG/L		SBGCFAA101
TRANS-1,3-DICHLOROPROPENE	ND	1.000	UG/L		SBGCFAA101
TRICHLOROETHENE	ND	0.500	UG/L		SBGCFAA101
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		SBGCFAA101
VINYL CHLORIDE	ND	0.500	UG/L		SBGCFAA101

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

Item	Additional Comment Explanations (NQ/DL)
1,1,1-TRICHLOROETHANE	CAL ENSECO
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: TBK-MW03
Sample Type: WELL
Sample Number: AE8924

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 10-AUG-1992
Received: 12-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
VOLATILE ORGANICS:					
1,1,1-TRICHLOROETHANE	ND	5.000	UG/L	HS	VOMSBAN301
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L	HS	VOMSBAN301
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L	HS	VOMSBAN301
1,1-DICHLOROETHANE	ND	5.000	UG/L	HS	VOMSBAN301
1,1-DICHLOROETHENE	ND	5.000	UG/L	HS	VOMSBAN301
1,2-DICHLOROBENZENE	ND	10.000	UG/L	HS	VOMSBAN301
1,2-DICHLOROETHANE	ND	5.000	UG/L	HS	VOMSBAN301
1,2-DICHLOROPROPANE	ND	5.000	UG/L	HS	VOMSBAN301
1,3-DICHLOROBENZENE	ND	10.000	UG/L	HS	VOMSBAN301
1,4-DICHLOROBENZENE	ND	10.000	UG/L	HS	VOMSBAN301
2-CHLOROETHYLVINYL ETHER	ND	20.000	UG/L	HS,ST	VOMSBAN301
BENZENE	ND	5.000	UG/L	HS	VOMSBAN301
BROMODICHLOROMETHANE	ND	5.000	UG/L	HS	VOMSBAN301
BROMOFORM	ND	5.000	UG/L	HS	VOMSBAN301
BROMOMETHANE	ND	10.000	UG/L	HS	VOMSBAN301
CARBON TETRACHLORIDE	ND	5.000	UG/L	HS	VOMSBAN301
CHLOROBENZENE	ND	5.000	UG/L	HS	VOMSBAN301
CHLOROETHANE	ND	10.000	UG/L	HS	VOMSBAN301
CHLOROFORM	ND	5.000	UG/L	HS	VOMSBAN301
CHLOROMETHANE	ND	10.000	UG/L	HS	VOMSBAN301
CIS-1,3-DICHLOROPROPENE	ND	5.000	UG/L	HS	VOMSBAN301
DIBROMOCHLOROMETHANE	ND	5.000	UG/L	HS	VOMSBAN301
ETHYLBENZENE	ND	5.000	UG/L	HS	VOMSBAN301
METHYLENE CHLORIDE	ND	5.000	UG/L	HS	VOMSBAN301
TETRACHLOROETHENE	ND	5.000	UG/L	HS	VOMSBAN301
TOLUENE	ND	5.000	UG/L	HS	VOMSBAN301
TRANS-1,2-DICHLOROETHENE	ND	10.000	UG/L	HS	VOMSBAN301
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L	HS	VOMSBAN301
TRICHLOROETHENE	ND	5.000	UG/L	HS	VOMSBAN301
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L	HS	VOMSBAN301
VINYL CHLORIDE	ND	10.000	UG/L	HS	VOMSBAN301

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: TBK-MW03
Sample Type: WELL
Sample Number: AE8924

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 10-AUG-1992
Received: 4-SEP-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
SUB-CONTRACT DATA:					
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
BENZENE	ND	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	0.500	UG/L		SBGCAAA201
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
TOLUENE	ND	0.500	UG/L		SBGCAAA201

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: TBK-MW04
Sample Type: WELL
Sample Number: AE8927

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 13-AUG-1992
Received: 4-SEP-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
SUB-CONTRACT DATA:					
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
BENZENE	ND	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	0.500	UG/L		SBGCAAA201
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
TOLUENE	ND	0.500	UG/L		SBGCAAA201

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
1,2-DICHLOROBENZENE	CAL ENSECO

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: TBK-MW05
Sample Type: WELL
Sample Number: AE8922

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 13-AUG-1992
Received: 18-AUG-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
VOLATILE ORGANICS:					
1,1,1-TRICHLOROETHANE	ND	5.000	UG/L	HS	VOMSBAN301
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L	HS	VOMSBAN301
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L	HS	VOMSBAN301
1,1-DICHLOROETHANE	ND	5.000	UG/L	HS	VOMSBAN301
1,1-DICHLOROETHENE	ND	5.000	UG/L	HS	VOMSBAN301
1,2-DICHLOROBENZENE	ND	10.000	UG/L	HS	VOMSBAN301
1,2-DICHLOROETHANE	ND	5.000	UG/L	HS	VOMSBAN301
1,2-DICHLOROPROPANE	ND	5.000	UG/L	HS	VOMSBAN301
1,3-DICHLOROBENZENE	ND	10.000	UG/L	HS	VOMSBAN301
1,4-DICHLOROBENZENE	ND	10.000	UG/L	HS	VOMSBAN301
2-CHLOROETHYLVINYL ETHER	ND	20.000	UG/L	HS,ST	VOMSBAN301
BENZENE	ND	5.000	UG/L	HS	VOMSBAN301
BROMODICHLOROMETHANE	ND	5.000	UG/L	HS	VOMSBAN301
BROMOFORM	ND	5.000	UG/L	HS	VOMSBAN301
BROMOMETHANE	ND	10.000	UG/L	HS	VOMSBAN301
CARBON TETRACHLORIDE	ND	5.000	UG/L	HS	VOMSBAN301
CHLOROBENZENE	ND	5.000	UG/L	HS	VOMSBAN301
CHLOROETHANE	ND	10.000	UG/L	HS	VOMSBAN301
CHLOROFORM	ND	5.000	UG/L	HS	VOMSBAN301
CHLOROMETHANE	ND	10.000	UG/L	HS	VOMSBAN301
CIS-1,3-DICHLOROPROPENE	ND	5.000	UG/L	HS	VOMSBAN301
DIBROMOCHLOROMETHANE	ND	5.000	UG/L	HS	VOMSBAN301
ETHYLBENZENE	ND	5.000	UG/L	HS	VOMSBAN301
METHYLENE CHLORIDE	ND	5.000	UG/L	HS	VOMSBAN301
TETRACHLOROETHENE	ND	5.000	UG/L	HS	VOMSBAN301
TOLUENE	ND	5.000	UG/L	HS	VOMSBAN301
TRANS-1,2-DICHLOROETHENE	ND	10.000	UG/L	HS	VOMSBAN301
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L	HS	VOMSBAN301
TRICHLOROETHENE	ND	5.000	UG/L	HS	VOMSBAN301
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L	HS	VOMSBAN301
VINYL CHLORIDE	ND	10.000	UG/L	HS	VOMSBAN301

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: TBK-MW05
Sample Type: WELL
Sample Number: AE8922

ENS: 92-11238
MP: 562921
REV: 00

Sampled: 13-AUG-1992
Received: 4-SEP-1992
Reported: 10-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
SUB-CONTRACT DATA:					
1,2-DICHLOROBENZENE	ND	1.000	UG/L	NQ,SB	SBGCAAA201
1,3-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
1,4-DICHLOROBENZENE	ND	1.000	UG/L		SBGCAAA201
BENZENE	ND	0.500	UG/L		SBGCAAA201
CHLOROBENZENE	ND	0.500	UG/L		SBGCAAA201
ETHYLBENZENE	ND	0.500	UG/L		SBGCAAA201
TOLUENE	ND	0.500	UG/L		SBGCAAA201

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

Item	Additional Comment Explanations (NQ/DL)
1,2-DICHLOROBENZENE	CAL ENSECO

Subcontract To:

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 1026
Date Sealed 92 07 21 (YY / MM / DD)
Seal # 31954
By: [signature]

SITE/FACILITY # 542 SITE NAME: U.S.C.O

Sample Point: W D U P (Source Code)

SAMPLE DATE: 92 08 13 (YY / MM / DD)

SAMPLE TIME: 10 : 10 (2400 HR.) MATRIX CODE: W

Water (W) Leachate (C)
Soil (S) Other (X)

Source Codes:

Well (W) Leachate System (C) Pretreatment Facility (P) River/Stream/Brook (R) Soil (S) Generation Pt. (G)
Dewatering/Pressure Relief (D) Gas Condensate (M) Influent (U) Lake or Ocean (L) Bottom Sediment (B) Other (X)
Surface Water Impoundment (I) Air (A) Effluent (T) Outfall (O) Noise (N) Specify

ENS # 92-11238

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AE8923-A	04	G	HCL/COOL 4 DEG C	SB	Y N		
AE8923-B	04	G	NONE/COOL 4 DEG C	SB	Y N		
AE8923-C	02	G	H2SO4/COOL 4 DEG C	CR	Y N		
AE8923-D	01	P	HNO3	IN	Y N		
AE8923-E	01	P	HNO3	IN	Y N		
AE8923-F	02	G	NONE/COOL 4 DEG C	SV	Y N		
AE8923-G	02	G	NONE/COOL 4 DEG C	SV	Y N		
AE8923-H	04	G	HCL/COOL 4 DEG C	VO	Y N		
~~AE8923-I~~	~~01~~	~~G~~	~~HCL/COOL 4 DEG C~~	~~VO~~	Y N		Cancel [initials] 7/31/92
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) Debbie Wilson Date: 7/30/92 Time: 13:30 (2400 HR.)
Signature: [signature] Seal #: 0031954 Intact: yes

I have received these materials in good condition from the above person.

2. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks:

I have received these materials in good condition from the above person.

3. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks:

4. AquaPak™/Sub Contr. # 1026 Sealed By: Debbie Wilson (Print) Date: 08/13/92 Time: : (2400 HR.)
Signature: [signature] Seal #: 31100 Intact: YES

LAB USE ONLY
Opened By: (Signature) [signature] Date: 8/17/92 Time: 15:14 (2400 HR.)
AquaPak™/Sub. Contr. # 1026 Temp.°C 21 Seal # 31100 Intact. Y

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AE8923

Sample Point: WDUP (Source Code)

FIELD INFORMATION FORM

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
920813	815	4	626	1878

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- Stainless Steel Screen TNT Bail Gal Launder (Steel) PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	268.62 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	* (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* (ft)	Stickup	(ft)

	ph	spec. cond. (μm/cm at 25° C)
1st	6.89 (STD)	7491
2nd	6.89 (STD)	6751
3rd	6.89 (STD)	6871
4th	6.89 (STD)	6751

Sample Temp. 20.1 (°C)

(other parameter)	value	units
WELL DIA	5.0	in
STICK-UP	3.67	ft
	*	

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: None Color: Clear Turbidity: Slight

Weather Conditions: Wind Speed 10-15 mph Direction Southwest Precipitation Y/N (N) Outlook Sunny/Clear

Specific Comments: * Information not yet avaliable

330 - 268.62 = 61.38 × 1.02 = 62.60 × 3 = 187.82 gal.

Well condition is good, access good.

Good recharge rate; 3 well casings obtained at 9:40 am

+ DUPLICATE OBTAINED FROM MW05.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

08/13/92 (Date) [signature] (Signature) Employer: SEC Donohue

REGION

Subcontract To:

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 003
Date Sealed 920507 (YY / MM / DD)
Seal # 26260
By: mc

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: W M W O ~~2~~ 1 DW
Source Code

SAMPLE DATE: - 9 2 0 8 ~~0 7~~ 10 DW 9/8/92
YY / MM / DD

SAMPLE TIME: 11:40 (2400 HR.) MATRIX CODE: W

Water ..... (W) Leachate ..... (C)
Soil ..... (S) Other ..... (X)

Source Codes:
Well ..... (W) Leachate System .. (C) Pretreatment Facility ... (P) River/Stream/Brook .. (R) Soil ..... (S) Generation Pt. .... (G)
Dewatering/Pressure Relief .... (D) Gas Condensate ... (M) Influent ..... (U) Lake or Ocean ..... (L) Bottom Sediment ... (B) Other ..... (X)
Surface Water Impoundment ... (I) Air ..... (A) Effluent ..... (T) Outfall ..... (O) Noise ..... (N) Specify

ENS # 92-11238

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AE8926-A	04	G	HCL/COOL	4 DEG C SB	Y N		
AE8926-B	04	G	NONE/COOL	4 DEG C SB	Y N		
AE8926-C	02	G	H2SO4/COOL	4 DEG C CR	Y N		
AE8926-D	01	P	HNO3	IN	Y N		
AE8926-E	01	P	HNO3	IN	Y N		
AE8926-F	02	G	NONE/COOL	4 DEG C SV	Y N		
AE8926-G	02	G	NONE/COOL	4 DEG C SV	Y N		
AE8926-H	04	G	HCL/COOL	4 DEG C VO	Y N		
AE8926-I	01	G	HCL/COOL	4 DEG C VO	Y N		10 > [illegible] 8-11-92
AE8926 JO	01	G	HCL/COOL	4 DEG C SB	Y N		TRIP BLANK
AE8926 K	01	G	NONE/COOL	4 DEG C SB	Y N		CAL INSCO MC 5/7/92
					Y N		
					Y N		
					Y N		
					Y N		2
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) Debbie Wilson Date: 7/30/92 Time: 14:50 (2400 HR.)
Signature: Debbie Wilson Seal #: 0026260 Intact: yes

I have received these materials in good condition from the above person.

2. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks:

I have received these materials in good condition from the above person.

3. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks:

4. AquaPak™/Sub Contr. # 003 Sealed By: Debbie Wilson (Print) Date: / / Time: 16:10 (2400 HR.)
Signature: Debbie Wilson Seal #: 33264 Intact: yes

LAB USE ONLY
Opened By: (Signature) [signature] Date: 8/11/92 Time: 11:25 (2400 HR.)
AquaPak™/Sub. Contr. # 003 Temp.°C 17 (TEMP BLANK) 14 (SAMPLE) Seal # 33264 Intact: Y

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AE8926

Sample Point: WMW01 (Source Code)

FIELD INFORMATION FORM

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
920807	8.50	.4	559.8	180.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- Stainless steel screen 304 Galvanized steel pipe PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	276.30 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	* (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* (ft)	Stickup	(ft)

	ph		spec. cond.		
1st	6.43 (STD)	1st	631	μm/cm at 25° C	Sample Temp. 22.2 (° C)
2nd	6.43 (STD)	2nd	615	μm/cm at 25° C	(other parameter) value units
3rd	6.43 (STD)	3rd	604	μm/cm at 25° C	(other parameter) value units
4th	6.43 (STD)	4th	600	μm/cm at 25° C	(other parameter) value units

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: None Color: Clear Turbidity: Slight

Weather Conditions: Wind Speed 15 mph Direction southwest Precipitation Y/N Outlook Sunny / Clear

Specific Comments: * Information not yet avaliable

335 ÷ 276.30 = 58.7 × 1.02 = 59.87 × 3 = 179.62

Well condition is good, access good.

Good recharge rate; 3 casings obtained at 11:28 hrs.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

8/10/92 (Date) [signature] (Signature) Employer: SEC Donohue

Subcontract To:

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 343
Date Sealed 9 2 0 5 0 7 (YY / MM / DD)
Seal # 26554
By: MC

SITE/FACILITY # 1562 SITE NAME: O.S.C.O

Sample Point: W m w 0 2 (Source Code)

SAMPLE DATE: 9 2 0 8 ~~0 5~~ 10 (YY / MM / DD) PW

SAMPLE TIME: 1 0 : 1 5 (2400 HR.) MATRIX CODE: W

Water (W) Soil (S) Leachate (C) Other (X)

Source Codes:

Well (W) Dewatering/Pressure Relief (D) Surface Water Impoundment (I) Leachate System (C) Gas Condensate (M) Air (A) Pretreatment Facility (P) Influent (U) Effluent (T) River/Stream/Brook (R) Lake or Ocean (L) Outfall (O) Soil (S) Bottom Sediment (B) Noise (N) Generation Pt. (G) Other (X) Specify

ENS # 92-11238

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AE8925-A	04	G	HCL/COOL 4 DEG C	SB	Y N		
AE8925-B	04	G	NONE/COOL 4 DEG C	SB	Y N		
AE8925-C	02	G	H2SO4/COOL 4 DEG C	CR	Y N		
AE8925-D	01	P	HNO3	IN	Y N		
AE8925-E	01	P	HNO3	IN	Y N		
AE8925-F	02	G	NONE/COOL 4 DEG C	SV	Y N		
AE8925-G	02	G	NONE/COOL 4 DEG C	SV	Y N		
AE8925-H	04	G	HCL/COOL 4 DEG C	VO	Y N		
~~AE8925-I~~	~~01~~	~~G~~	~~HCL/COOL 4 DEG C~~	~~VO~~	Y N		CA verified MC 5/7/92
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) Debbie Wilson Date: 7/30/92 Time: 14:10 (2400 HR.)
Signature: Debbie Wilson Seal #: 00026554 Intact: Yes

I have received these materials in good condition from the above person.

2. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks:

I have received these materials in good condition from the above person.

3. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks:

4. AquaPak™/Sub Contr. # 343 Sealed By: Debbie Wilson (Print) Date: 8/10/92 Time: 11:00 (2400 HR.)
Signature: Debbie Wilson Seal #: ~~26554~~ 34092 PW Intact: Yes

LAB USE ONLY
Opened By: (Signature) Date: 8/12/92 Time: 9:48 (2400 HR.)
AquaPak™/Sub. Contr. # 343 Temp.°C Seal # 34092 Intact: Y

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AE8925

Sample Point: WMW02 (Source Code)

FIELD INFORMATION FORM

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
92 ~~08~~ 08 ~~05~~ 19 PW	9.40	.4	~~56.3~~ 55.6 PW	167.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A&B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A·B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- Stainless Steel Screen (100') TNC 304 Galvanized steel pipe PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	~~27.76~~ 27.346 PW (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	* (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* (ft)	Stickup	(ft)

	ph		spec. cond.		
1st	5.84 (STD)	1st	617 μm/cm at 25° C	Sample Temp.	21.7 (° C)
2nd	5.97 (STD)	2nd	624 μm/cm at 25° C	Well dia. (other parameter)	50 value, in units
3rd	6.03 (STD)	3rd	610 μm/cm at 25° C	stick-up (other parameter)	2.4 value, ft units
4th	6.03 (STD)	4th	599 μm/cm at 25° C	(other parameter)	value, units

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: None Color: Clear Turbidity: Slight

Weather Conditions: Wind Speed 10-15 mph Direction Southwest Precipitation Y/N Outlook Sunny / Clear

Specific Comments: * Information not yet avaliable

328' - [illegible] = ~~56.54~~ 54.54 PW × 1.02 = ~~57.67~~ 55.63 PW × 3 = ~~173.01~~ 166.89 PW gal.

Well condition is good access good.

Good recharge rate; 3 casings obtained at 10:05 hrs.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

8/10/92 (Date) [signature] (Signature) Employer: SEC Donohue

Subcontract To:

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

MW05

AquaPak™ PREP
AquaPak™ # 343
Date Sealed 92 05 07 (YY / MM / DD)
Seal # 26554
By: ML

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: W (Source Code)

SAMPLE DATE: 920810 (YY / MM / DD)

SAMPLE TIME: 13:40 (2400 HR.) MATRIX CODE: W

Water (W) Leachate (C)
Soil (S) Other (X)

Source Codes:

Well (W) Leachate System (C) Pretreatment Facility (P) River/Stream/Brook (R) Soil (S) Generation Pt. (G)
Dewatering/Pressure Relief (D) Gas Condensate (M) Influent (U) Lake or Ocean (L) Bottom Sediment (B) Other (X)
Surface Water Impoundment (I) Air (A) Effluent (T) Outfall (O) Noise (N) Specify

ENS # 92-11238

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y—N	FIELD COMMENTS	E.M.L. COMMENTS
AE8924-A	04	G	HCL/COOL	4 DEG C SB	Y N		
AE8924-B	04	G	NONE/COOL	4 DEG C SB	Y N		
AE8924-C	02	G	H2SO4/COOL	4 DEG C CR	Y N		
AE8924-D	01	P	HNO3	IN	Y N		Cl BROKEN.
AE8924-E	01	P	HNO3	IN	Y N		8-12-92
AE8924-F	02	G	NONE/COOL	4 DEG C SV	Y N		
AE8924-G	02	G	NONE/COOL	4 DEG C SV	Y N		
AE8924-H	04	G	HCL/COOL	4 DEG C VO	Y N		ID MUCH 76mm
AE8924-I	01	G	HCL/COOL	4 DEG C VO	Y N		8-12-92
AE8924J	01	G	HCL/Cool	4 Deg C SB	Y N	Bubble	TRIP BLANK
AE8924K	01	G	None Cool	4 Deg C SB	Y N		CAL ANSCO
					Y N	Broken	
					Y N	X	
					Y N		
NO FROZEN ICE PARKS.					Y N	X	
					Y N		

MW 5/7/92

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) Debbie Wilson Date: 7/30/92 Time: 14:10 (2400 HR.)
Signature: Debbie Wilson Seal #: 0026554 Intact: Yes

I have received these materials in good condition from the above person.

2. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks: CFAA101

I have received these materials in good condition from the above person.

3. Name: Signature:
Date: / / Time: : (2400 HR.) Remarks:

4. AquaPak™/Sub Contr. # 343 Sealed By: Debbie Wilson (Print) Date: 08/10/92 Time: 16:10 (2400 HR.)
Signature: Debbie Wilson Seal #: 34092 Intact: Yes

LAB USE ONLY
Opened By: (Signature) [signature] Date: 8/12/92 Time: 9:48 (2400 HR.)
AquaPak™/Sub. Contr. # 343 Temp.°C 19 Seal # 34092 Intact: Y

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AE8924

Sample Point: wmw03 (Source Code)

FIELD INFORMATION FORM

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
920810	1305	4	54.1 (PW)	170

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated | Y | N | (circle one) Sampling Equipment ..... Dedicated | Y | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- Stainless Steel Screen INC 304 Galvanized steel pipe PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	X* (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	266.41 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	X* (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	X* (ft)	Stickup	(ft)

	ph		spec. cond.		Sample Temp.	
1st	6.22 (STD)	1st	595 μm/cm at 25° C		23.0 (° C)	
2nd	6.70 (STD)	2nd	617 μm/cm at 25° C	Well dia. (other parameter)	5.0 value	in units
3rd	6.70 (STD)	3rd	628 μm/cm at 25° C	(other parameter)	value	units
4th	6.70 (STD)	4th	670 μm/cm at 25° C	(other parameter)	value	units

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: None Color: Clear Turbidity: Slight

Weather Conditions: Wind Speed 10-15 mph Direction Southwest Precipitation Y/N Outlook Sunny/Clear

Specific Comments: * Information not yet available

319.5' − 266.41' = 53.09 × 1.02 = 54.15 × 3 = 162.46

Well condition is good, access good.

Good recharge rate; 3 casings obtained at 13:30 hrs

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

8/10/92 (Date) [signature] (Signature) Employer: SEC Donohue

REGION

Subcontract To: _____

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 003
Date Sealed 92 05 07 (YY / MM / DD)
Seal # 26260
By: MC

SITE/FACILITY # 562 SITE NAME: O.S.C.O

Sample Point: W MW 04 (Source Code)

SAMPLE DATE: - 92 08 13 (YY / MM / DD)

SAMPLE TIME: 10:30 (2400 HR.) MATRIX CODE: W

Water ..... (W) Soil ..... (S) Leachate ..... (C) Other ..... (X)

Source Codes:
Well ..... (W) Dewatering/Pressure Relief .... (D) Surface Water Impoundment ... (I)
Leachate System .. (C) Gas Condensate ... (M) Air ..... (A)
Pretreatment Facility ... (P) Influent ..... (U) Effluent ..... (T)
River/Stream/Brook .. (R) Lake or Ocean ..... (L) Outfall ..... (O)
Soil ..... (S) Bottom Sediment ... (B) Noise ..... (N)
Generation Pt. .... (G) Other ..... (X) Specify _____

ENS # 92-11238

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y—N	FIELD COMMENTS	E.M.L. COMMENTS
AE8927-A	04	G	HCL/COOL	4 DEG C SB	Y N	A2 A3 A4 Broken	
AE8927-B	04	G	NONE/COOL	4 DEG C SB	Y N	B4 Broken	
AE8927-C	02	G	H2SO4/COOL	4 DEG C CR	Y N	~~H2SO4 is gone~~ pw	
AE8927-D	01	P	HNO3	IN	Y N		
AE8927-E	01	P	HNO3	IN	Y N		
AE8927-F	02	G	NONE/COOL	4 DEG C SV	Y N		
AE8927-G	02	G	NONE/COOL	4 DEG C SV	Y N		
AE8927-H	04	G	HCL/COOL	4 DEG C VO	Y N	H1 Broken upon sampling	
~~AE8927-I~~	~~01~~	~~G~~	~~HCL/COOL~~	~~4 DEG C VO~~	Y N		Cancel/RDMC 5/7/92
					Y N		
					Y N		
					Y N		
					Y N		
NO FROZEN ICE PACKS IN A/P.					Y N		
					Y N		
			AJC 8-17-92		Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) Debbie Wilson Date: 7/30/92 Time: 14:50 (2400 HR.)
Signature: Debbie Wilson Seal #: 0026260 Intact: yes

I have received these materials in good condition from the above person.

2. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

4. AquaPak™/Sub Contr. # 003 Sealed By: Debbie Wilson (Print) Date: 08/13/92 Time: 15:30 (2400 HR.)
Signature: Debbie Wilson Seal #: 0025140 Intact: YES.

LAB USE ONLY
Opened By: (Signature) [signature] Date: 8/17/92 Time: 15:25 (2400 HR.)
AquaPak™/Sub. Contr. # 661 Temp.°C 21 Seal # 25140 Intact. Y

REGION

Subcontract To:

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # NA
Date Sealed 9 2 0 8 0 1 (YY / MM / DD)
Seal # 1585 & 1586
By: [signature]

SITE/FACILITY # 562 SITE NAME: D.S.C.O

Sample Point: W m w o 4 (Source Code)

SAMPLE DATE: - 9 2 0 8 1 3 (YY / MM / DD)

SAMPLE TIME: 1 0 : 3 0 (2400 HR.) MATRIX CODE: W

Water ..... (W) Leachate ..... (C)
Soil ..... (S) Other ..... (X)

Source Codes:

Well ..... (W) Leachate System .. (C) Pretreatment Facility ... (P) River/Stream/Brook .. (R) Soil ..... (S) Generation Pt. .... (G)
Dewatering/Pressure Relief .... (D) Gas Condensate ... (M) Influent ..... (U) Lake or Ocean ..... (L) Bottom Sediment ... (B) Other ..... (X)
Surface Water Impoundment ... (I) Air ..... (A) Effluent ..... (T) Outfall ..... (O) Noise ..... (N) Specify _____

ENS # [illegible]

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AE8927-A	04	G	HCL/COOL 4	DEG C SB	Y N		A1-4 & B1-4
AE8927-B	04	G	NONE/COOL 4	DEG C SB	Y N		Replacement
~~AE8927-C~~	~~02~~	~~G~~	~~H2SO4/COOL 4~~	~~DEG C CR~~	Y N		SB VOA
~~AE8927-D~~	~~01~~	~~P~~	~~HNO3~~	~~IN~~	Y N		[illegible]
AE8927-E	01	P	HNO3	IN	Y N		Trip Blank [illegible]
~~AE8927-F~~	~~02~~	~~G~~	~~NONE/COOL 4~~	~~DEG C SV~~	Y N		
~~AE8927-G~~	~~02~~	~~G~~	~~NONE/COOL 4~~	~~DEG C SV~~	Y N		
~~AE8927-H~~	~~04~~	~~G~~	~~HCL/COOL 4~~	~~DEG C VO~~	Y N		
~~AE8927-I~~	~~01~~	~~G~~	~~HCL/COOL 4~~	~~DEG C VO~~	Y N		
AE8927-JO	01	G	HCL/COOL 4	Deg C SB	Y N		TBK [signature] 8/14/92
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) Debbie Wilson Date: 08/13/92 Time: 10:00 (2400 HR.)
Signature: [signature] Seal #: 1585 & 1586 Intact: yes

I have received these materials in good condition from the above person.

2. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

4. AquaPak™/Sub Contr. # NA Sealed By: Debbie Wilson (Print) Date: 08/13/92 Time: 15:30 (2400 HR.)
Signature: [signature] Seal #: 0025140 Intact: YES

LAB USE ONLY
Opened By: (Signature) [signature] Date: 8/19/92 Time: 15:25 (2400 HR.)
AquaPak™/Sub Contr. # 661 Temp.°C 21 Seal # 25140 Intact. Y

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AE8927

Sample Point: W MW04 (Source Code)

FIELD INFORMATION FORM

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
920813	9.00	.4	50.9	155.9

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- Stainless Steel Screen TNC 304 Galvanized Steel PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	268.10 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	* (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* (ft)	Stickup	(ft)

	ph		spec. cond.				
1st	6.6 (STD)	1st	809	μm/cm at 25° C	Sample Temp.	22.1	(° C)
2nd	6.69 (STD)	2nd	819	μm/cm at 25° C	Well dia. (other parameter)	5.0 value	in units
3rd	6.69 (STD)	3rd	835	μm/cm at 25° C	Stickup (other parameter)	3.4 value	ft units
4th	6.69 (STD)	4th	830	μm/cm at 25° C	(other parameter)	value	units

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: None Color: Clear Turbidity: Slight

Weather Conditions: Wind Speed 10-15 mph Direction Southwest Precipitation Y/N Outlook Sunny/Clear

Specific Comments: * Information not yet avaliable

Well condition is good, access good.

Good recharge rate; 3 casings obtained at 9:24

~~H_2SO_4 for sample ID AE8927-C has leaked out, no preservative added~~ H_2SO_4 was obtained

~~Trip~~ Field blank was obtained at MW04

318 - 268.10 = 49.9 × 1.02 = 50.89 × 3 = 152.700

Sample ID AE8927-H1 was broken during sampling.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

08/13/92 (Date) [signature] (Signature) Employer: SEC Donohue

Subcontract To: _____

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP
AquaPak™ # 1026
Date Sealed 9 2 0 7 2 1 (YY / MM / DD)
Seal # 31954
By: [signature]

SITE/FACILITY # [illegible] SITE NAME: [illegible]

Sample Point: W W W 0 5 (Source Code)

SAMPLE DATE: 9 2 0 8 1 3 (YY / MM / DD)

SAMPLE TIME: 1 9 : 5 0 (2400 HR.)

MATRIX CODE: W

Water . . . . . (W) Leachate . . . . . (C)
Soil . . . . . (S) Other . . . . . (X)

Source Codes:

Well . . . . . (W) Leachate System . . (C) Pretreatment Facility . . . (P) River/Stream/Brook . . (R) Soil . . . . . (S) Generation Pt. . . . . (G)
Dewatering/Pressure Relief . . . . (D) Gas Condensate . . . (M) Influent . . . . . (U) Lake or Ocean . . . . . (L) Bottom Sediment . . . (B) Other . . . . . (X)
Surface Water Impoundment . . . (I) Air . . . . . (A) Effluent . . . . . (T) Outfall . . . . . (O) Noise . . . . . (N) Specify _____

ENS #

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
AE8922-A	04	G	HCL/COOL 4	DEG C SB	Y N		
AE8922-B	04	G	NONE/COOL 4	DEG C SB	Y N		
AE8922-C	02	G	H2SO4/COOL 4	DEG C CN	Y N		
AE8922-D	01	P	HNO3	TR	Y N		
AE8922-E	01	P	HNO3	TR	Y N		
AE8922-F	04	G	NONE/COOL 4	DEG C SV	Y N		
AE8922-G	04	G	NONE/COOL 4	DEG C SV	Y N		
AE8922-H	04	G	HCL/COOL 4	DEG C VO	Y N		
AE8922-I	04	G	HCL/COOL 4	DEG C VO	Y N	Bubble	TBK 7/21/92
AE 8922-J0	01	G	HCL/COOL	4 Deg C SB	Y N		TBK 7/21/92
					Y N		
					Y N		JB 8-17-92
					Y N		
NO FROZEN ICE PACKS IN A/P.					Y N		
					Y N		
			AP 8-17-92		Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) Debbie Wilson Date: 7/30/92 Time: 13:30 (2400 HR.)
Signature: [signature] Seal #: 0031954 Intact: yes

I have received these materials in good condition from the above person.

2. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
Date: / / Time: : (2400 HR.) Remarks: _____

4. AquaPak™/Sub Contr. # 1026 Sealed By: Debbie Wilson (Print) Date: 08/13/92 Time: : (2400 HR.)
Signature: [signature] Seal #: 31100 Intact: yes

LAB USE ONLY
Opened By: (Signature) [signature] Date: 8/19/92 Time: 15:14 (2400 HR.)
AquaPak™/Sub Contr. # 1026 Temp.°C 21 Seal # 31100 Intact. Y

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: AE8922

Sample Point: WMW05 (Source Code)

FIELD INFORMATION FORM

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
920813	8.15	.4	62.6	187.8

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated (Y) | N | (circle one) Sampling Equipment ..... Dedicated (Y) | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A-B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A-B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- Stainless Steel Screen INC 304 Galvanized Steel PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	268.62 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	* (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* (ft)	Stickup	(ft)

	ph		spec. cond.		Sample Temp.
1st	6.89 (STD)	1st	744 μm/cm at 25° C		20.1 (°C)
2nd	6.89 (STD)	2nd	675 μm/cm at 25° C		WELL DIA (other parameter) 5.0 value in units
3rd	6.89 (STD)	3rd	687 μm/cm at 25° C		STICK-UP (other parameter) 3.67 value ft units
4th	6.89 (STD)	4th	675 μm/cm at 25° C		(other parameter) value units

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: NONE Color: CLEAR Turbidity: ~~NONE~~ Slight PW

Weather Conditions: Wind Speed 10-15 MPH Direction SOUTHWEST Precipitation Y/(N) Outlook SUNNY/CLEAR

Specific Comments: * INFORMATION NOT AVAILABLE YET

330 - 268.62 = 61.38 X 1.02 = 62.60 X 3 = 187.82 GAL.

WELL CONDITION IS GOOD, ACCESS GOOD

GOOD RECHARGE RATE; 3 WELL CASINGS OBTAINED AT 9:40 A.M.

+ BOTTLE SET AE8923 IS A DUPLICATE FOR MW05

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

8/13/92 (Date) MANUEL MARTINEZ (Signature) Employer: SEC DONOHUE

RECORDS SEPARATOR PAGE

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WMI Environmental Monitoring Laboratories, Inc.

Analytical Report Transmittal Memorandum

SEP 1992
RECEIVED
Western Region
Environmental
Mgt. Dept.
C.W.M.I.

Date: September 3, 1992

To: Client(s) - see below

From: Dave Lundquist

Subject: O.S.C.O. 92-11239

Please find enclosed the current Client Report, Field Information Forms, and Field Chain-of-Custody Records for the recently completed event at O.S.C.O..

The data has been thoroughly reviewed and compared to historical data. We have tried to provide a report that is complete and of known and documented quality. Please take a moment to review the enclosed report to insure it meets your expectations.

If you have any questions, don't hesitate to call Cynthia Garland at (708)208-3100.

Report Distribution:

Name	Report Type
Mark Yalom*	ALL

* *Program Manager*

WMI Environmental Monitoring
Laboratories, Inc.

A Waste Management Company

Enclosed are the analytical results for samples received from your facility. The results in the Client Report are for a single ENS (Event Notification System) number only. The sampling event at your facility may include multiple ENS numbers. A separate Client Report will be generated for each one.

It is the goal of WMI Environmental Monitoring Laboratories, Inc. to provide analytical data in a timely fashion, formatted in a way that our clients will find most useful.

If you have any questions concerning the form or content of this report, please contact the WMI EML Customer Operations Department:

Main Number (708) 208-3100
FAX Number (708) 208-1175

Note: Two designations may appear in the results column of your Client Report: NA or ND.

The designation NA (for "Not Analyzed") is used to identify analytes which were requested in the monitoring program, but for which no suitable testing methodology exists. NA may also indicate a dry well, broken sample bottle, insufficient sample volume, or other condition which precludes analysis for a sample.

The designation ND (for "Not Detected") is used to indicate that the analyte of interest was not found at or above the concentration listed under the EMLRL (EML Reporting Limit) heading.

Unless otherwise indicated, all analytes meet the requirements of holding time as specified in the method.

Bruce Warden
Assistant Director
Laboratory Operations

Frank Jarke
Manager
Quality Programs

Printed on recycled paper

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC.

E V E N T S U M M A R Y R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

ENS: 92-11239
MP: 562921
Rev / Task: 00 / 01
Sample Type: WELL
Reported: 3-SEP-1992

Analyte	Sample Point: 562-01FB Sample Number: AE8928 Sampled: 13-AUG-1992	EML RL	TBK-01FB AE8928 13-AUG-1992	EML RL		EML RL	Units
FIELD DATA:							
PH FIELD	6.69						PH UNITS
PH FIELD	6.69						PH UNITS
PH FIELD	6.69						PH UNITS
PH FIELD	6.68						PH UNITS
SPECIFIC CONDUCTANCE FIELD	830.						UMHOS/CM
SPECIFIC CONDUCTANCE FIELD	835.						UMHOS/CM
SPECIFIC CONDUCTANCE FIELD	819.						UMHOS/CM
SPECIFIC CONDUCTANCE FIELD	809.						UMHOS/CM
WATER TEMPERATURE IN DEGREES CELSIUS	NA						DEGREES C
VOLATILE ORGANICS:							
1,1,1-TRICHLOROETHANE	ND	5.000	ND	5.000			UG/L
1,1,2,2-TETRACHLOROETHANE	ND	5.000	ND	5.000			UG/L
1,1,2-TRICHLOROETHANE	ND	5.000	ND	5.000			UG/L
1,1-DICHLOROETHANE	ND	5.000	ND	5.000			UG/L
1,1-DICHLOROETHENE	ND	5.000	ND	5.000			UG/L
1,2-DICHLOROBENZENE	ND	10.000	ND	10.000			UG/L
1,2-DICHLOROETHANE	ND	5.000	ND	5.000			UG/L
1,2-DICHLOROPROPANE	ND	5.000	ND	5.000			UG/L
1,3-DICHLOROBENZENE	ND	10.000	ND	10.000			UG/L
1,4-DICHLOROBENZENE	ND	10.000	ND	10.000			UG/L
2-CHLOROETHYLVINYL ETHER	ND	20.000	ND	20.000			UG/L
BENZENE	ND	5.000	ND	5.000			UG/L
BROMODICHLOROMETHANE	6.	5.000	ND	5.000			UG/L
BROMOFORM	ND	5.000	ND	5.000			UG/L
BROMOMETHANE	ND	10.000	ND	10.000			UG/L
CARBON TETRACHLORIDE	ND	5.000	ND	5.000			UG/L
CHLOROBENZENE	ND	5.000	ND	5.000			UG/L
CHLOROETHANE	ND	10.000	ND	10.000			UG/L
CHLOROFORM	6.	5.000	ND	5.000			UG/L
CHLOROMETHANE	ND	10.000	ND	10.000			UG/L
CIS-1,3-DICHLOROPROPENE	ND	5.000	ND	5.000			UG/L
DIBROMOCHLOROMETHANE	6.	5.000	ND	5.000			UG/L
ETHYLBENZENE	ND	5.000	ND	5.000			UG/L
METHYLENE CHLORIDE	ND	5.000	ND	5.000			UG/L
TETRACHLOROETHENE	ND	5.000	ND	5.000			UG/L
TOLUENE	ND	5.000	ND	5.000			UG/L
TRANS-1,2-DICHLOROETHENE	ND	10.000	ND	10.000			UG/L
TRANS-1,3-DICHLOROPROPENE	ND	5.000	ND	5.000			UG/L
TRICHLOROETHENE	ND	5.000	ND	5.000			UG/L
TRICHLOROFLUOROMETHANE	ND	10.000	ND	10.000			UG/L
VINYL CHLORIDE	ND	10.000	ND	10.000			UG/L

NA = Not Analyzed ND = Not Detected TBK = Trip Blank s = EML Subcontract Data

Data Qualifier Comment Code Definitions

AR:	Acid surrogate recoveries did not meet the acceptance criteria of the method. Oxidation degradation due to sample matrix was confirmed.
BB:	Broken bottle.
BL:	The method blank concentration associated with this analyte did not meet the acceptance criteria of the method.
CX:	The concentration of this compound exceeded the calibration used for this analysis. The concentration reported is estimated.
CU:	Co-elution with another compound interferes with the quantitation of this compound. The concentration reported is estimated.
DL:	The sample was diluted during analysis. Reporting limits have been adjusted where necessary.
DP:	This sample was analyzed in duplicate. The relative percent difference between the two results did not meet the acceptance criteria of the method.
DW:	Dry well
HS:	The headspace in this sample bottle exceeded 6 millimeters.
IS:	The internal standard recoveries associated with this analysis did not meet the acceptance criteria of the method.
IV:	The bottle did not contain enough sample to perform the analysis.
MP:	3-methylhphenol and 4-methylphenol co-elute under the analytical conditions of the method, and can not be differentiated solely on the basis of their mass spectra. The concentrations reported may be either or both isomers.
MX:	This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was in control. The result reported may therefore be affected by matrix interferences.
NN:	N-nitrosodiphenylamine can not be distinguished from diphenylamine using gas chromatography. The concentrations reported may be either or both compounds.
NQ:	No standard qualifier code is in use for this qualification. See the associated comment.
NS:	There was not enough sample to repeat this analysis.

PL: This result may be a product of contamination from phthalate plasticizers, which are a common lab contaminant.

PX: This sample required preservation in the field to a pH of less than 2. The pH was checked after receipt at the lab, and did not have a pH of less than 2.

PY: This sample required preservation in the field to a pH of 4 to 5. The pH was checked after receipt at the lab, and did not have a pH of 4 to 5.

PZ: This sample required preservation in the field to a pH of 12 or greater. The pH was checked after receipt at the lab, and did not have a pH of 12 or greater.

QX: This sample was used as a matrix spike. The percent recovery did not meet the acceptance criteria of the method. The analysis of a quality control standard showed the analytical system was out-of-control. The analytical result for this parameter in the unspiked sample is suspect and may not be reported for regulatory compliance purposes.

RA: Acid surrogate recoveries associated with this analysis did not meet the acceptance criteria of the method.

RB: Base/neutral surrogate recoveries associated with this analysis did not meet the acceptance criteria of the method.

SB: The analysis of this sample was performed by an approved subcontract laboratory.

ST: This compound is not stable in acidic water.

SU: The analysis of the surrogate with this sample did not meet the acceptance criteria of the method.

TX: The analysis for this parameter was conducted after the holding time specified in the method.

UN: This compound is not stable under the conditions of the analysis.

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

C L I E N T R E P O R T

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: 01FB
Sample Type: WELL
Sample Number: AE8928

ENS: 92-11239
MP: 562921
REV: 00

Sampled: 13-AUG-1992
Received: 18-AUG-1992
Reported: 3-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
FIELD DATA:					
PH FIELD	6.69		PH UNITS		FDPHQUAD01
PH FIELD	6.69		PH UNITS		FDPHQUAD01
PH FIELD	6.69		PH UNITS		FDPHQUAD01
PH FIELD	6.68		PH UNITS		FDPHQUAD01
SPECIFIC CONDUCTANCE FIELD	830.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	835.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	819.		UMHOS/CM		FDSPCOND04
SPECIFIC CONDUCTANCE FIELD	809.		UMHOS/CM		FDSPCOND04
WATER TEMPERATURE IN DEGREES CELSIUS	NA		DEGREES C		FDXTEMPC01
VOLATILE ORGANICS:					
1,1,1-TRICHLOROETHANE	ND	5.000	UG/L		VOMSBAN301
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L		VOMSBAN301
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L		VOMSBAN301
1,1-DICHLOROETHANE	ND	5.000	UG/L		VOMSBAN301
1,1-DICHLOROETHENE	ND	5.000	UG/L		VOMSBAN301
1,2-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBAN301
1,2-DICHLOROETHANE	ND	5.000	UG/L		VOMSBAN301
1,2-DICHLOROPROPANE	ND	5.000	UG/L		VOMSBAN301
1,3-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBAN301
1,4-DICHLOROBENZENE	ND	10.000	UG/L		VOMSBAN301
2-CHLOROETHYLVINYL ETHER	ND	20.000	UG/L	ST	VOMSBAN301
BENZENE	ND	5.000	UG/L		VOMSBAN301
BROMODICHLOROMETHANE	6.	5.000	UG/L		VOMSBAN301
BROMOFORM	ND	5.000	UG/L		VOMSBAN301
BROMOMETHANE	ND	10.000	UG/L		VOMSBAN301
CARBON TETRACHLORIDE	ND	5.000	UG/L		VOMSBAN301
CHLOROBENZENE	ND	5.000	UG/L		VOMSBAN301
CHLOROETHANE	ND	10.000	UG/L		VOMSBAN301
CHLOROFORM	6.	5.000	UG/L		VOMSBAN301
CHLOROMETHANE	ND	10.000	UG/L		VOMSBAN301
CIS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		VOMSBAN301
DIBROMOCHLOROMETHANE	6.	5.000	UG/L		VOMSBAN301
ETHYLBENZENE	ND	5.000	UG/L		VOMSBAN301
METHYLENE CHLORIDE	ND	5.000	UG/L		VOMSBAN301
TETRACHLOROETHENE	ND	5.000	UG/L		VOMSBAN301
TOLUENE	ND	5.000	UG/L		VOMSBAN301
TRANS-1,2-DICHLOROETHENE	ND	10.000	UG/L		VOMSBAN301
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L		VOMSBAN301
TRICHLOROETHENE	ND	5.000	UG/L		VOMSBAN301
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L		VOMSBAN301
VINYL CHLORIDE	ND	10.000	UG/L		VOMSBAN301

NA = Not Analyzed **ND = Not Detected** **TBK = Trip Blank**

WMI ENVIRONMENTAL MONITORING LABORATORIES, INC

CLIENT REPORT

Site: 562 - O.S.C.O
Treatment Facility
107 S. Motor Ave.
Azusa CA 91702

Sample Point: TBK-01FB
Sample Type: WELL
Sample Number: AE8928

ENS: 92-11239
MP: 562921
REV: 00

Sampled: 13-AUG-1992
Received: 18-AUG-1992
Reported: 3-SEP-1992

Analyte	Result	EML RL	Units	Comments	Method
VOLATILE ORGANICS:					
1,1,1-TRICHLOROETHANE	ND	5.000	UG/L	HS	VOMSBAN301
1,1,2,2-TETRACHLOROETHANE	ND	5.000	UG/L	HS	VOMSBAN301
1,1,2-TRICHLOROETHANE	ND	5.000	UG/L	HS	VOMSBAN301
1,1-DICHLOROETHANE	ND	5.000	UG/L	HS	VOMSBAN301
1,1-DICHLOROETHENE	ND	5.000	UG/L	HS	VOMSBAN301
1,2-DICHLOROBENZENE	ND	10.000	UG/L	HS	VOMSBAN301
1,2-DICHLOROETHANE	ND	5.000	UG/L	HS	VOMSBAN301
1,2-DICHLOROPROPANE	ND	5.000	UG/L	HS	VOMSBAN301
1,3-DICHLOROBENZENE	ND	10.000	UG/L	HS	VOMSBAN301
1,4-DICHLOROBENZENE	ND	10.000	UG/L	HS	VOMSBAN301
2-CHLOROETHYLVINYL ETHER	ND	20.000	UG/L	HS,ST	VOMSBAN301
BENZENE	ND	5.000	UG/L	HS	VOMSBAN301
BROMODICHLOROMETHANE	ND	5.000	UG/L	HS	VOMSBAN301
BROMOFORM	ND	5.000	UG/L	HS	VOMSBAN301
BROMOMETHANE	ND	10.000	UG/L	HS	VOMSBAN301
CARBON TETRACHLORIDE	ND	5.000	UG/L	HS	VOMSBAN301
CHLOROBENZENE	ND	5.000	UG/L	HS	VOMSBAN301
CHLOROETHANE	ND	10.000	UG/L	HS	VOMSBAN301
CHLOROFORM	ND	5.000	UG/L	HS	VOMSBAN301
CHLOROMETHANE	ND	10.000	UG/L	HS	VOMSBAN301
CIS-1,3-DICHLOROPROPENE	ND	5.000	UG/L	HS	VOMSBAN301
DIBROMOCHLOROMETHANE	ND	5.000	UG/L	HS	VOMSBAN301
ETHYLBENZENE	ND	5.000	UG/L	HS	VOMSBAN301
METHYLENE CHLORIDE	ND	5.000	UG/L	HS	VOMSBAN301
TETRACHLOROETHENE	ND	5.000	UG/L	HS	VOMSBAN301
TOLUENE	ND	5.000	UG/L	HS	VOMSBAN301
TRANS-1,2-DICHLOROETHENE	ND	10.000	UG/L	HS	VOMSBAN301
TRANS-1,3-DICHLOROPROPENE	ND	5.000	UG/L	HS	VOMSBAN301
TRICHLOROETHENE	ND	5.000	UG/L	HS	VOMSBAN301
TRICHLOROFLUOROMETHANE	ND	10.000	UG/L	HS	VOMSBAN301
VINYL CHLORIDE	ND	10.000	UG/L	HS	VOMSBAN301

NA = Not Analyzed ND = Not Detected TBK = Trip Blank

WMI Environmental Monitoring Laboratories, Inc.

Site # 562

Bottle Set: A E 8 9 2 5

Sample Point: W O I H D (Source Code)

FIELD INFORMATION FORM

PURGING INFORMATION

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
9 2 0 1 1 3	9.00	.4	5.0 3	15.0

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated | Y | N | (circle one) Sampling Equipment ..... Dedicated | Y | N | (circle one)

Purging Device	A	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	C	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	A+B	A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	A+B	B-Stainless Steel	D-PVC		X- SAMPLING OTHER (SPECIFY)
Tubing-Purging	X	A-Teflon	D-Polypropylene	F-Silicon	X- STAINLESS STEEL SCREEN INC 304 GALVANIZED STEEL PURGING OTHER (SPECIFY)
Tubing-Sampling	A	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:	A	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	* (ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	26.10 (ft)	Depth to water From land surface	(ft)
Groundwater Elevation	* (ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	* (ft)	Stickup	(ft)

	ph		spec. cond.		Sample Temp. (° C)
1st	6.67 (STD)	1st	409 μm/cm at 25° C		
2nd	6.69 (STD)	2nd	419 μm/cm at 25° C		
3rd	6.69 (STD)	3rd	435 μm/cm at 25° C		
4th	6.69 (STD)	4th	430 μm/cm at 25° C		

(other parameter)	value	units
WELL DIA	5.0	in
STICK-UP	3.4	FT

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: NONE Color: CLEAR Turbidity: SLIGHT

Weather Conditions: Wind Speed 10-15 MPH Direction SOUTHWEST Precipitation Y/N Outlook SUNNY/CLEAR.

Specific Comments: Field blank obtained at MW04

* INFORMATION NOT YET AVAILABLE

WELL CONDITION IS GOOD, ACCESS GOOD.

GOOD RECHARGE RATE AT MW04. 3 CASINGS OBTAINED AT 9:24 A.M.

DIA - 26.10 = 49.9 X 1.02 = 50.89 X 3 = 152.69 GAL.

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

1/3/92 [signature] (Signature) Employer: SEC Panchie

Subcontract To:

WMI Environmental Monitoring Laboratories, Inc.

FIELD CHAIN-OF-CUSTODY RECORD

AquaPak™ PREP 661
AquaPak™ # 9210 5 10 7
Date Sealed (YY / MM / DD)
Seal # 277751
By:

SITE/FACILITY # 561 SITE NAME: O.S.C.O

Sample Point: W O 1 A B (Source Code)

SAMPLE DATE: 91-08-13 (YY / MM / DD)

SAMPLE TIME: 1010 (2400 HR.) MATRIX CODE: W

Water (W) Soil (S) Leachate (C) Other (X)

Source Codes:

Well (W) Dewatering/Pressure Relief (D) Surface Water Impoundment (I) Leachate System (C) Gas Condensate (M) Air (A) Pretreatment Facility (P) Influent (U) Effluent (T) River/Stream/Brook (R) Lake or Ocean (L) Outfall (O) Soil (S) Bottom Sediment (B) Noise (N) Generation Pt. (G) Other (X) Specify

ENS # 92-11250

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y—N	FIELD COMMENTS	E.M.L. COMMENTS
AE8928-A	04	G	HCL/COOL	4 DEG C VO	Y N		
AE8928-B	01	G	HCL/COOL	4 DEG C VO	Y N		13x05-7292
					Y N		
					Y N		
					Y N		SAMPLES
					Y N		NOT RECD.
					Y N		
					Y N		
					Y N		
NOTE: SAMPLES SENT TO ENSECO RETURNED					Y N		AC 8-17-92
TO EML & RECD 8-18-92. ENSECO COOLER					Y N		
SEALED W/ PAPER SEALS # 24024 24025.					Y N		
TEMP 13°C. OPENED 9:55 8-18-92.					Y N		BO > 6mm
AC 8-18-92					Y N		AC 8-18-92
					Y N		
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) Debbie Wilson Date: 7/30/91 Time: 14:35 (2400 HR.)
   Signature: Debbie Wilson Seal #: 0027751 Intact: yes

I have received these materials in good condition from the above person.

2. Name: Signature:
   Date: / / Time: : (2400 HR.) Remarks:

I have received these materials in good condition from the above person.

3. Name: Signature:
   Date: / / Time: : (2400 HR.) Remarks:

4. AquaPak™/Sub Contr. # 661 Sealed By: MANUEL MARTINEZ (Print) Date: 08/13/92 Time: 15:30 (2400 HR.)
   Signature: MANUEL MARTINEZ Seal # 0025140 Intact: YES.

LAB USE ONLY
Opened By: (Signature) Date: 8/17/92 Time: 15:25 (2400 HR.)
AquaPak™/Sub. Contr. # 661 Temp.°C 21 Seal # 25140 Intact. Y

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

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RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

RECORDS SEPARATOR PAGE

Chemical Waste Management, Inc.

4227 Technology Drive
Fremont, California 94538-6337
415/651-2964

OCT 16 1991

October 15, 1991

Mr. Jeffrey Zelikson
Director
U.S. Environmental Protection Agency
Region IX
75 Hawthorne Street
Mail Code H-4-6
San Francisco, California 94105

Mr. Dennis Dickerson
Regional Administrator
California Environmental Protection Agency
Department of Toxic Substances Control
Region III
1405 North San Fernando Boulevard, Suite 300
Burbank, California 91504

Subject: Oil & Solvent Process Company (OSCO, Azusa, California, CAD 008302903, RCRA Facility Investigation, Groundwater Monitoring Plan)

Gentlemen:

In accordance with RCRA Part B Permit Condition VI.6.D, Chemical Waste Management, Inc. (CWM) has prepared the attached Groundwater Monitoring Plan for the subject facility. Groundwater monitoring constitutes Phase III of the RCRA Facility Investigation (RFI).

The plan incorporates variances to specific procedures and methods in the Part B Permit (modification dated November 14, 1990) Groundwater Monitoring Plan guidelines. The variances were presented in our letter dated September 23, 1991, and discussed in subsequent telephone conversations between CWM and Messrs. Wayne Praskins and Tom Kelley of U.S. EPA. CWM believes the changes reflected in the plan, based on improved understanding of subsurface conditions are reasonable, appropriate, and based on sound engineering principles.

Printed on recycled paper

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please contact Marc Yalom or me at (510) 651-2964.

Sincerely,

CHEMICAL WASTE MANAGEMENT, INC.

M. Lee Dodge, P.E.
Project Manager

MLD/lmc/bas

Enclosure (1)

cc: Ron Cavagrotti, Meredith/Boli & Associates
Michael Cloud, Meredith/Boli & Associates
Phil Comella, CWM Oak Brook (w/o enclosure)
Richard Gurske, CWM Fremont
Sunita Sharma, OSCO-Azusa
Mike Wetzel, CWM Oak Brook
Marc Yalom, CWM Fremont
File # 05-330.06

FEDERAL EXPRESS

QUESTIONS? CALL 800-238-5355 TOLL FREE.

AIRBILL
PACKAGE TRACKING NUMBER 1328735144

1328735144

RECIPIENT'S COPY

1

Date 10-15-91

From (Your Name) Please Print: Ronald R. Cavagrotti

Your Phone Number (Very Important)

Company

Department/Floor No.

Street Address

City

State

ZIP Required

2

To (Recipient's Name) Please Print: Mr. Jeffrey Zelikson, Director

Recipient's Phone Number (Very Important)

Company: US Environmental Protection Agency IX

Department/Floor No.

Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.): 75 Hawthorne St., Mail Code H-4-6

City: San Francisco

State: CA

ZIP Required: 94105

YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on invoice.): 90-211(12)

3

PAYMENT 1 [X] Bill Sender 2 [ ] Bill Recipient's FedEx Acct. No. 3 [ ] Bill 3rd Party FedEx Acct. No. 4 [ ] Bill Credit Card 5 [ ] Cash/Check

H

IF HOLD FOR PICK-UP, Print FEDEX Address Here

Street Address

City

State

ZIP Required

4

SERVICES (Check only one box)

Priority Overnight (Delivery by next business morning†)	Standard Overnight (Delivery by next business afternoon†)
11 [ ] YOUR PACKAGING	51 [ ] YOUR PACKAGING
16 [ ] FEDEX LETTER *	56 [ ] FEDEX LETTER *
12 [X] FEDEX PAK *	52 [ ] FEDEX PAK *
13 [ ] FEDEX BOX	53 [ ] FEDEX BOX
14 [ ] FEDEX TUBE	54 [ ] FEDEX TUBE
Economy Two-Day (Delivery by second business day†)	**Government Overnight** (Restricted for authorized users only)
30 [ ] ECONOMY	46 [ ] GOVT LETTER
	41 [ ] GOVT PACKAGE

Freight Service (for Extra Large or any package over 150 lbs.)

70 [ ] OVERNIGHT FREIGHT ** (Confirmed reservation required)

80 [ ] TWO-DAY FREIGHT **

† Delivery commitment may be later in some areas.

*Declared Value Limit $100.
**Call for delivery schedule.

5

DELIVERY AND SPECIAL HANDLING (Check services required)

1 [ ] HOLD FOR PICK-UP (Fill in Box H)
2 [X] DELIVER WEEKDAY
3 DELIVER SATURDAY (Extra charge) (Not available to all locations) [ ]
4 [ ] DANGEROUS GOODS (Extra charge)
5 [ ]
6 [ ] DRY ICE ____ Lbs.
7 [ ] OTHER SPECIAL SERVICE
8 [ ]
9 [ ] SATURDAY PICK-UP (Extra charge)
10 [ ]
11 [ ]
12 [ ] HOLIDAY DELIVERY (If offered) (Extra charge)

6

PACKAGES	WEIGHT In Pounds Only	YOUR DECLARED VALUE
Total	Total	Total

DIM SHIPMENT (Chargeable Weight) [ ] ____ lbs.

L ____ x W ____ x H ____ = ____

Received At
1 [ ] Regular Stop
2 [ ] On-Call Stop
3 [ ] Drop Box
4 [ ] BSC
5 [ ] Station

7

Release Signature:

FedEx Emp. No.

Date/Time

Emp. No.

Date

[ ] Cash Received
[ ] Return Shipment
[ ] Third Party [ ] Chg. To Del. [ ] Chg. To Hold

Street Address

City State Zip

Received By: X

Date/Time Received

FedEx Employee Number

Federal Express Use
Base Charges
Declared Value Charge
Other 1
Other 2
Total Charges

REVISION DATE 6/91
PART #137204 FXEM 8/91
FORMAT #099

099

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MEREDITH/BOLI & ASSOCIATES, INC.

SCIENTIFIC and REGULATORY CONSULTANTS

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M/B&A Project No. MB-1990-211

GROUNDWATER MONITORING PLAN

OSCO PHASE III
RCRA FACILITY INVESTIGATION

Prepared for:

OIL & SOLVENT PROCESS COMPANY
1704 West First Street
Azusa, California 91702

Submitted to:

US ENVIRONMENTAL PROTECTION AGENCY
Region IX
75 Hawthorne Street
San Francisco, California 94105

and

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Department of Toxic Substances Control
Region III
1405 North San Fernando Boulevard, Suite 300
Burbank, California 91504

15 October 1991

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Appendix B -- Manufacturer's Data for Water Level Monitoring Equipment

Appendix C -- Key Resumes for Project Personnel

Appendix D -- Site Safety and Health Plan

1.0 INTRODUCTION

1.1 PURPOSE

This Groundwater Monitoring Plan has been prepared to describe the elements of a groundwater monitoring system that will be installed at the Oil & Solvent Process Company (OSCO) site in Azusa, California. Groundwater monitoring and assessment constitute the third phase of an ongoing RCRA Facility Investigation (RFI) that has been underway at the OSCO facility since late 1989. The primary purpose of the groundwater monitoring program is to determine the quality of groundwater entering (upgradient) and leaving (downgradient) the facility property. In this way, the potential degradation of groundwater due to historical facility operations can be evaluated. Secondary objectives of the program are to determine groundwater and aquifer flow characteristics, both temporal and spacial, and to contribute to the growing body of data for the San Gabriel Valley CERCLA investigation.

The Groundwater Monitoring Plan has been developed in response to requirements contained in the OSCO facility's RCRA Hazardous Waste Facility Permit (CAD008202903), Condition VI.6.D. It also is consistent with general requirements of the Los Angeles Regional Water Quality Control Board (RWQCB) found at 23 CCR, Chapter 15, and internal Chemical Waste Management, Inc. (CWM)/Waste Management, Inc. (WMI) corporate policy, guidelines, and directives. It is considered a comprehensive plan for the installation of groundwater monitoring wells and the implementation of a subsequent groundwater sampling and analysis program.

Additional background information regarding the OSCO facility and previous RFI activities is provided in the remainder of Section 1.0. The regional and site-specific geologic and hydrogeologic settings are described in Section 2.0. Groundwater monitoring well installation details are provided in Section 3.0, and groundwater sampling and analysis protocols are described in Sections 4.0 and 5.0. Sections 6.0 through 8.0 discuss individual plans, including a Data Management and Reporting Plan, Project Management Plan, and Site Safety and Health Plan. References used in the preparation of the Groundwater Monitoring Plan are listed in Section 9.0.

Periodic revision to this document may occur with changing regulations or company policies. This plan will be updated on an approximately annual basis. If necessary, temporary supplements will be added to the plan between annual updates.

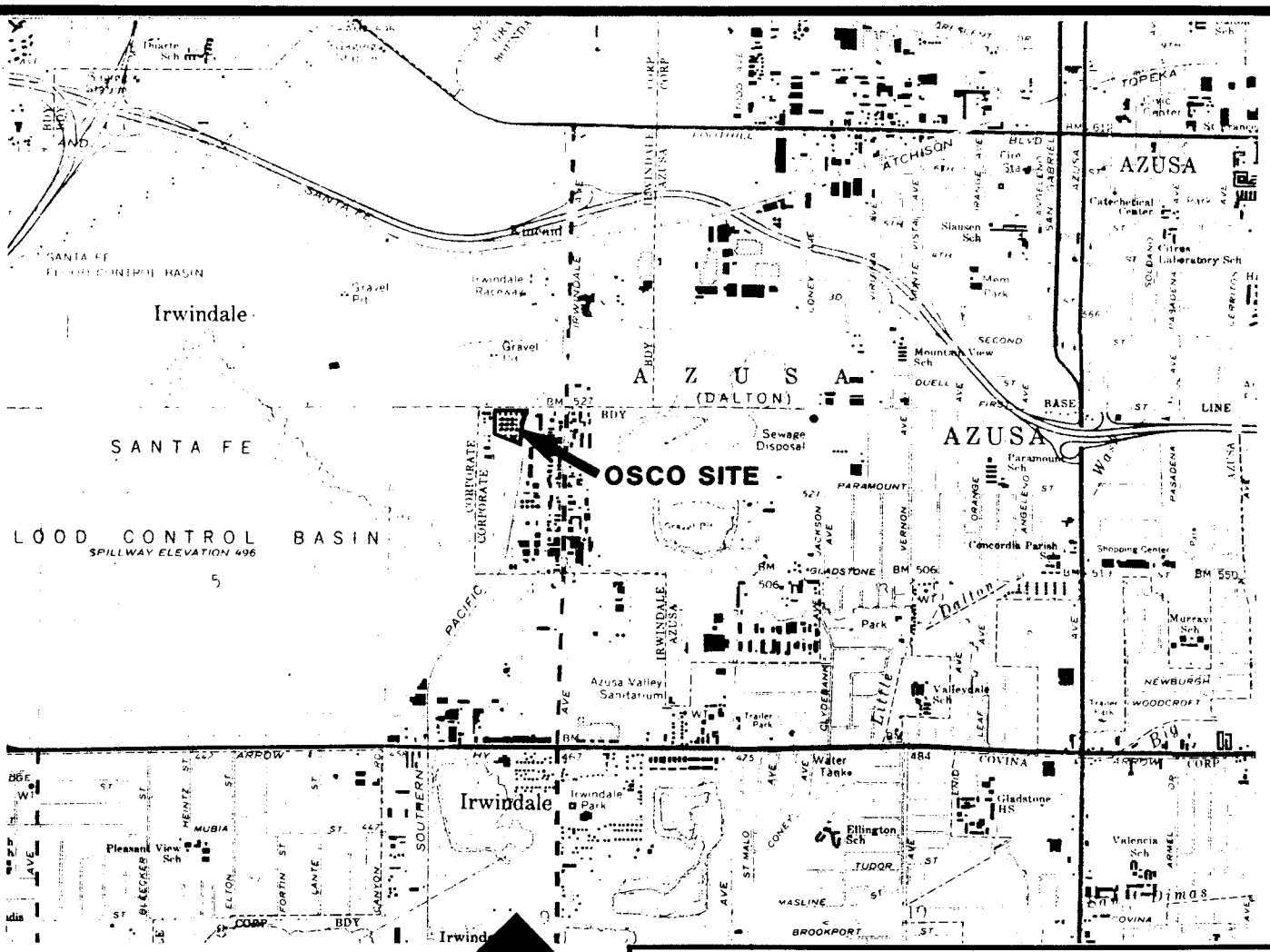
1.2 FACILITY LOCATION

The OSCO facility is located within the boundaries of the City of Azusa, California, at the intersection of First Street and Peckham Road, less than 1 mile south from the Foothill Freeway (U.S. Interstate 210) and approximately 20 miles northeast from downtown Los Angeles (Figures 1-1 and 1-2).

1.3 OPERATIONAL HISTORY

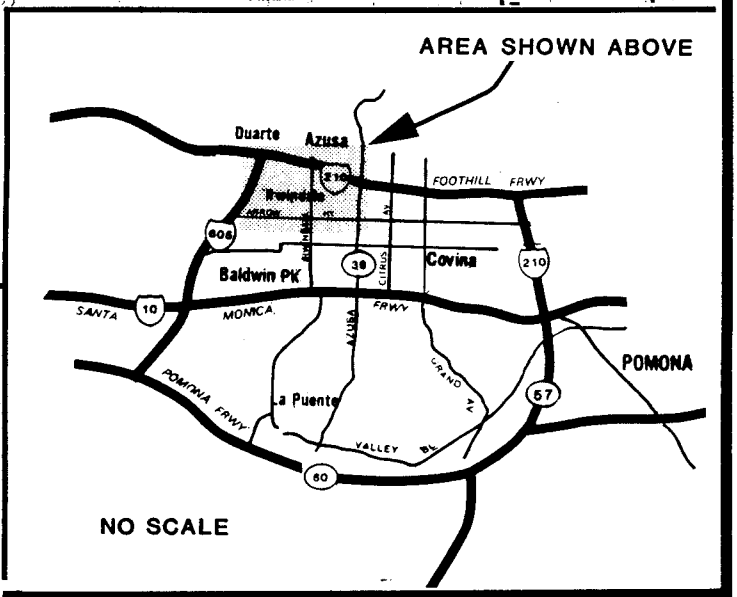
The OSCO facility was established at its present site in 1953. The facility historically and presently has provided solvent recycling services for various manufacturing and waste generating industries in the State of California and other nearby states.

Spent solvent wastes arrive at the site in containerized or bulk form and are unloaded at a drum storage area or directly into bulk waste storage/treatment tanks. Reusable solvent products are reclaimed by means of settling, physical separation, distillation/thin film evaporation, and dewatering. Recycled solvents



BASE MAP: U.S. Geologic Survey 7.5 Minute Series
Azusa, California Quadrangle 1964, photorevised 1981.

APPROXIMATE SCALE
0 5000 FEET



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SITE LOCATION MAP
AZUSA, CALIFORNIA

FIGURE
1-1

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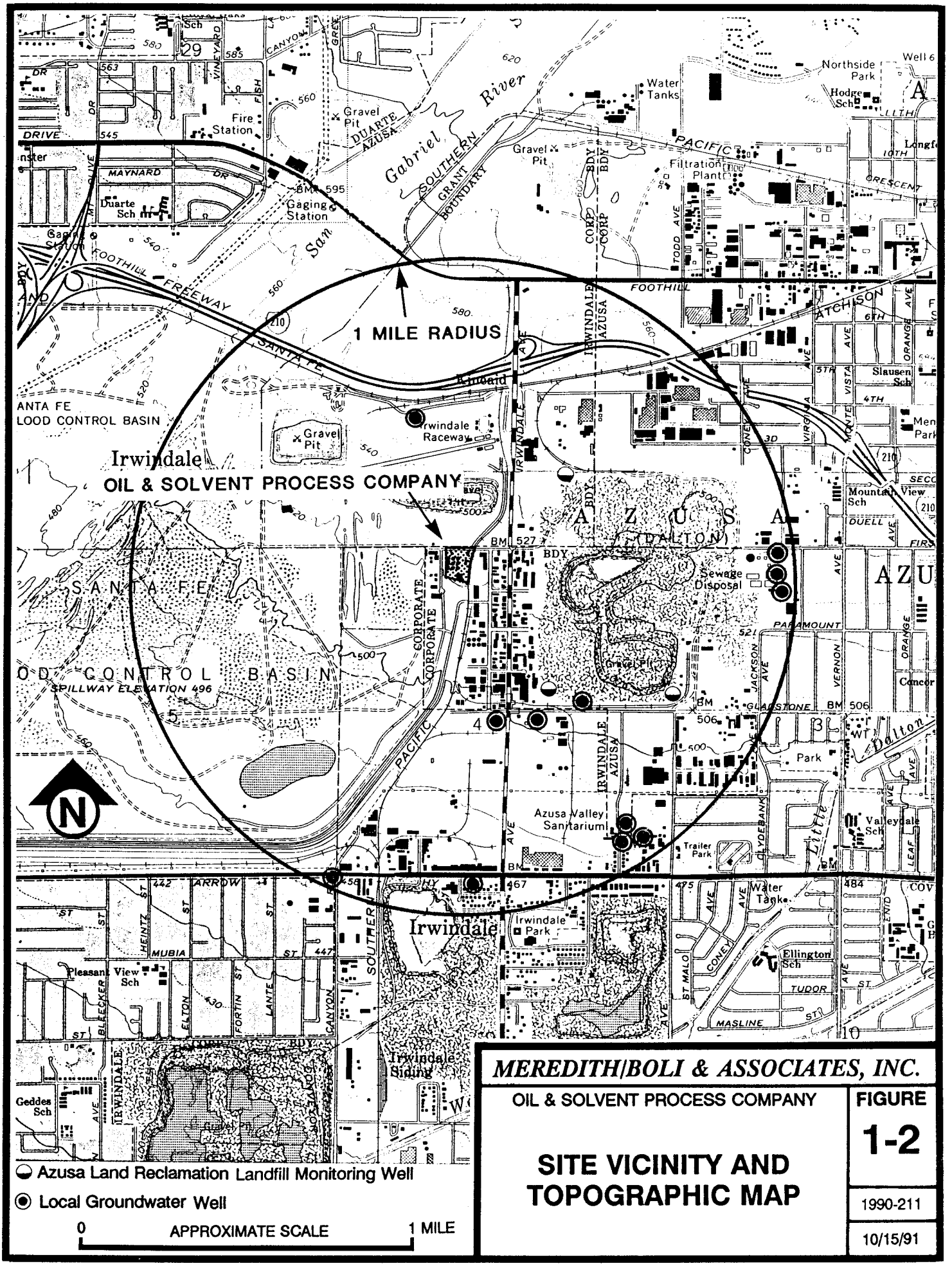

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FIGURE 1-2

SITE VICINITY AND TOPOGRAPHIC MAP

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are sold or exchanged for reuse; non-recyclable wastes and wastes generated by recycling activities are manifested off-site for use as supplemental fuels, for destructive incineration, or for disposal by other means. No on-site waste disposal occurs or previously has occurred at the site.

1.4 PREVIOUS RCRA FACILITY INVESTIGATION PHASES

1.4.1 Phase I -- Shallow Soil Gas Survey

Phase I of the RFI was designed to identify potential contaminant sources or soil "hot spots" by means of a shallow soil gas investigation (WTI, 1990a). Soil gas was sampled from 77 grid points throughout the facility and analyzed for organic constituents that included chlorinated and non-chlorinated hydrocarbons. Soil gas samples were collected from nominal depths of 2.5 to 5.0 feet below ground surface (bgs). Based on the development of isoconcentration contours for certain organic compounds, it was possible to identify likely sources of soil contamination and target certain areas for further investigation.

1.4.2 Phase IIa -- Shallow Soil Investigation

The Shallow Soil Sampling Program consisted of sampling 14 test pits (Figure 1-3) that were excavated to nominal depths of 5-feet bgs (WTI, 1990b). Test pit locations were selected to include 1) areas requested by the US Environmental Protection Agency -- Region IX (USEPA; based on its aerial photographic review and interpretation of the site), 2) areas of suspected contamination determined from the soil gas survey, 3) areas beneath facility units being closed (i.e., Distillation Unit No. 1), and 4) current and historical surface water drainage pathways.

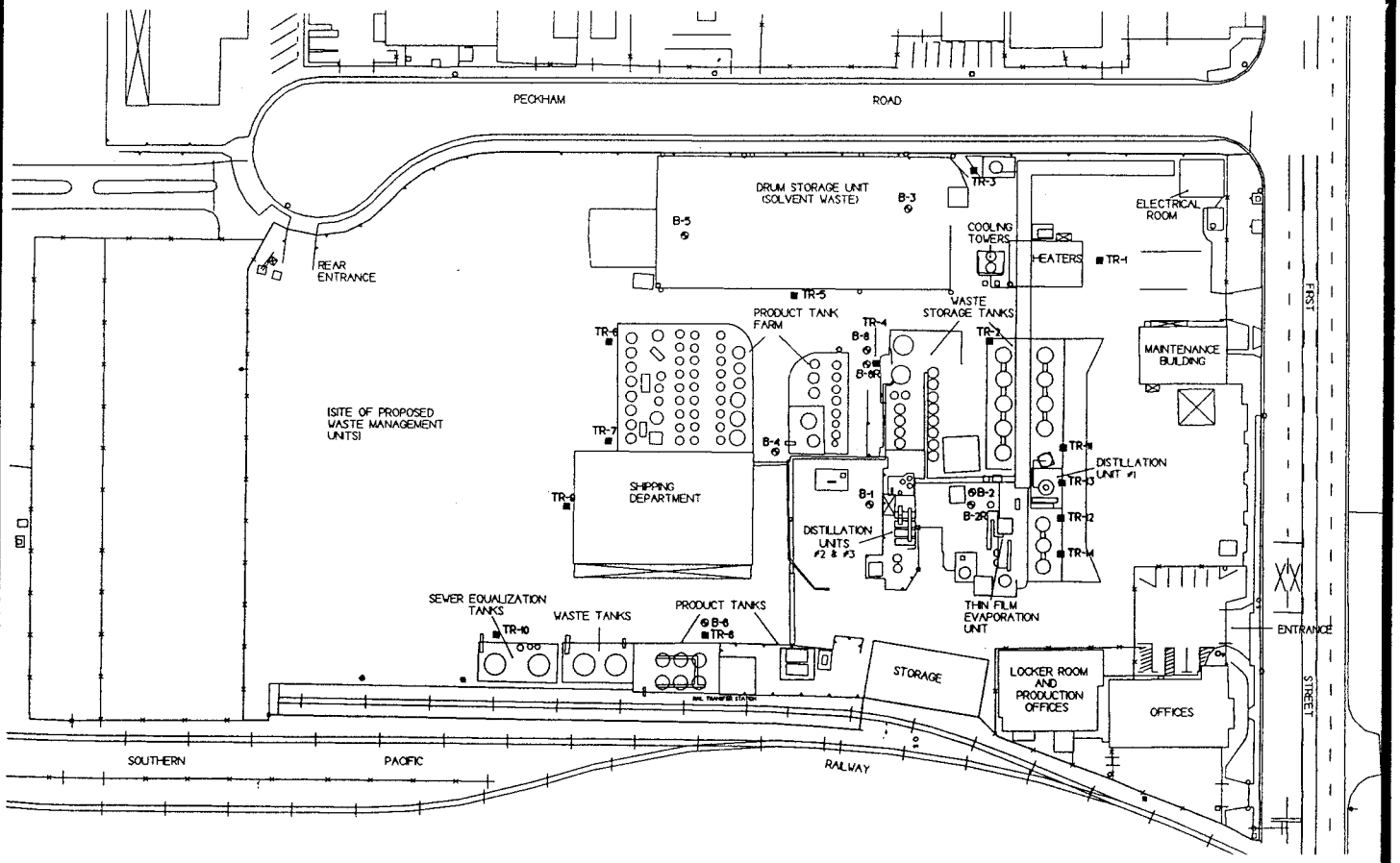
Test pits were sampled and analyzed to meet the following objectives:

- Determine contaminant migration depths
- Determine if constituents were attenuating with depth
- Select a reduced list of "target analytes" for subsequent deep soil investigations.

1.4.3 Phase IIb -- Deep Soil Investigation

The recently-completed Deep Soil Sampling Program was designed to further assess the vertical extent of organic contaminant migration at problem areas identified during previous investigation phases (M/B&A, 1991). A total of nine borings (Figure 1-3) were completed to depths ranging up to 197-feet bgs, and more than one hundred discrete soil samples were collected for analysis. The Phase IIb investigation was conducted to meet the following objectives:

- Determine the vertical extent of organic contaminant migration
- Identify organic constituents and their respective concentrations at depth
- Characterize the unsaturated zone underlying the facility.



SOURCE: Airborne Systems, Inc. July 1991

■ **TR-1** Test Pit Location

◐ **B-1** Deep Soil Boring Location

APPROXIMATE SCALE
0 100 FEET

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LOCATIONS OF RFI TEST PITS AND DEEP SOIL BORINGS

FIGURE 1-3

1990-211

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Soil gas monitoring probes subsequently were installed into individual borings to further evaluate and characterize subsurface contamination, as represented by the presence of contaminants in the soil gas phase.

1.5 MODIFICATIONS TO RCRA PERMIT GROUNDWATER MONITORING REQUIREMENTS

The OSCO facility's RCRA permit prescribes specific well construction standards and groundwater monitoring procedures that are to be implemented at the OSCO site (see Section VI.6.D and Attachments VI-A and VI-D of the permit). These conditions were developed two years ago, prior to the performance of systematic field investigations.

Based on existing regional data and data obtained during the previous RFI activities (particularly the installation of the deep soil borings), OSCO/CWM believes that certain permit requirements no longer are appropriate and should be modified. Accordingly, a request for variances from specific permit requirements was submitted to USEPA/California Environmental Protection Agency (Cal EPA) on 23 September 1991, followed by several telephone conversations with Agency representatives (see Appendix A hereto). Specific permit variances that were requested are summarized on Table 1-1 herein.

This Groundwater Monitoring Plan has been prepared to reflect the modifications described on Table 1-1 and in Appendix A. Approval of this plan by USEPA/Cal EPA indicates these Agencies' acceptance of the proposed changes and, as such, constitutes an administrative modification to the facility's RCRA permit.

1.6 SCHEDULE OF PHASE III ACTIVITIES

CWM plans to implement Phase III groundwater monitoring activities within 15 days from USEPA's/Cal EPA's approval of this plan. A proposed schedule for completion of Phase III activities is presented in Figure 1-4 herein.

Well installation, development, and surveying should be completed within 60 days from the start of drilling. The final RFI (Phase III) report will be delivered to USEPA/Cal EPA within 30 days after receipt of groundwater analytical results for the third monthly sampling round.

TABLE 1-1

SUMMARY OF REQUESTED GROUNDWATER MONITORING VARIANCES[a]

1) Installation of four monitoring wells instead of three (two upgradient and two downgradient).

2) Proposed well locations:

   - One on the west perimeter of site as proposed by USEPA/Cal EPA (downgradient)
   - No well beneath the old sump
   - No well in the southeast corner of site
   - One well on the southwest perimeter of the site (downgradient)
   - One well at the main entrance (upgradient)
   - One well east from the site (upgradient).

3) Wells will be installed by means of mud rotary drilling rather than using an air percussion hammer rig.

4) Soil sampling will be performed during drilling operations at the discretion of the overseeing project geologist. 10% min?

5) Wells will be constructed with 5-inch diameter steel casings, not 8-inch diameter.

6) Annular seals will be constructed with 5% bentonite, rather than 10%.

7) Specific capacity tests will not be performed at this time. ?

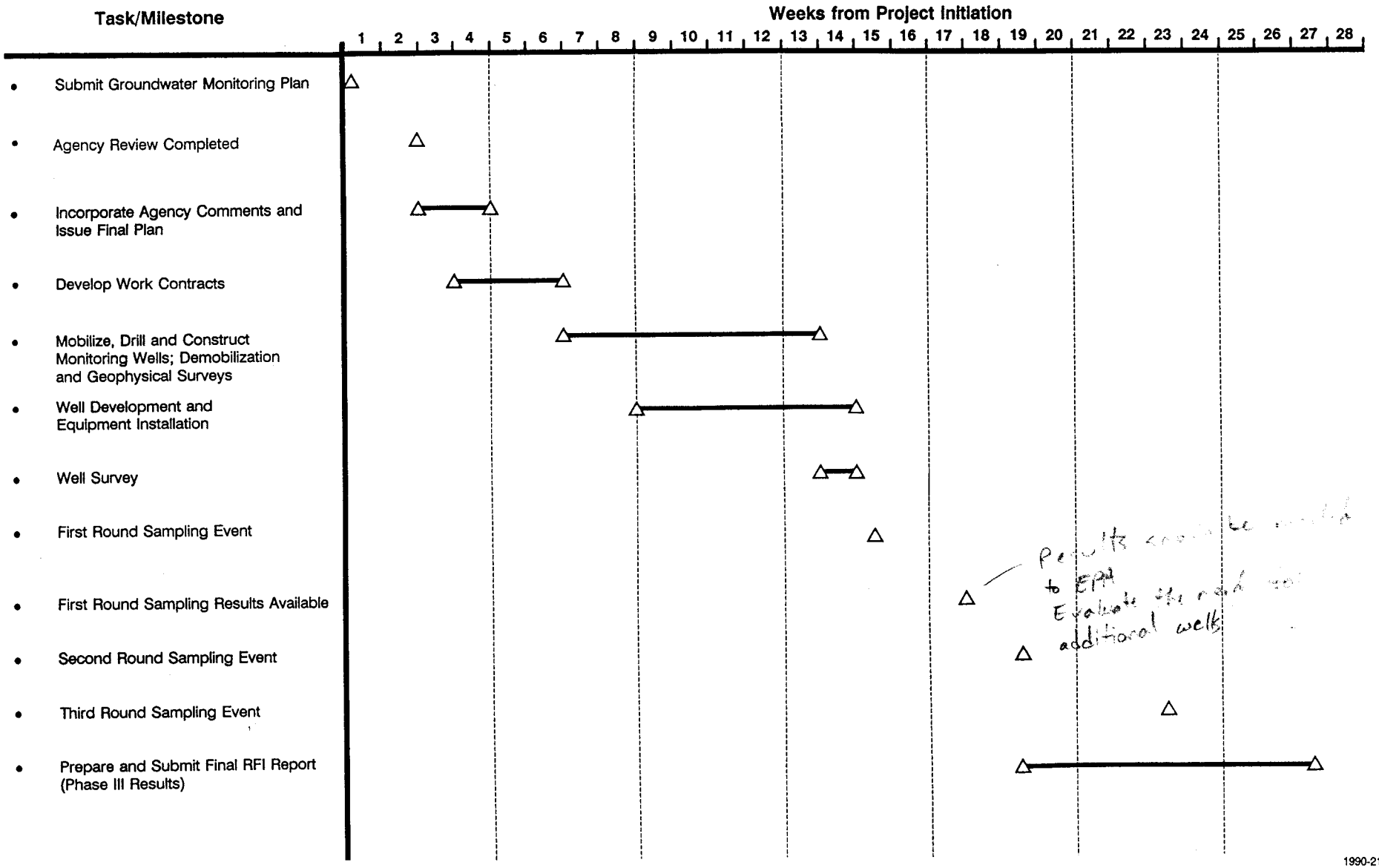
8) Aquifer testing will not be performed at this time. If it is performed at a later date, aquifer testing will not include groundwater sampling. Wayne?

9) OSCO will attempt to obtain groundwater elevation data from monitoring wells within 1 mile from the facility, but only from wells with similar screened intervals.

---

[a] A thorough description of the proposed changes is provided in Appendix A hereto.

FIGURE 1-4
PROPOSED SCHEDULE OF RFI PHASE III ACTIVITIES



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2.0 PHYSICAL SETTING

2.1 TOPOGRAPHY

2.1.1 Regional Topography

The San Gabriel Valley is located in the eastern portion of Los Angeles County. The main boundaries are 1) the Raymond fault on the northwest, 2) the line of contact between the alluvium and the bedrock of the San Gabriel Mountains on the north, 3) the bedrock-high between San Dimas and La Verne on the east, and 4) the line of contact between alluvium and bedrock of the low hills on the southern periphery of the basin (Figure 2-1). The San Gabriel Mountains lie north of the basin. These mountains range in elevation from 900 feet at the base to over 10,000 feet above mean sea level (msl).

A system of low rolling hills lies along the southern extent of the San Gabriel Valley. These hills, from west to east, include the Repetto, Merced, Puente, and San Jose Hills; they rise approximately 500 feet above the floor of the basin. Whittier Narrows, a 1.5-mile wide flood plain, forms a gap in the southwestern portion of the hills, between the Merced and Puente Hills (Jenkins, 1967; Yerkes, et. al., 1965).

2.1.2 Site Topography

The OSCO facility occupies approximately 7 acres near the northern margin of the San Gabriel Valley (Figure 2-1). Elevations at the site range from approximately 500 to 520 feet msl. The relatively flat terrain slopes gently toward the south.

2.2 GEOLOGY

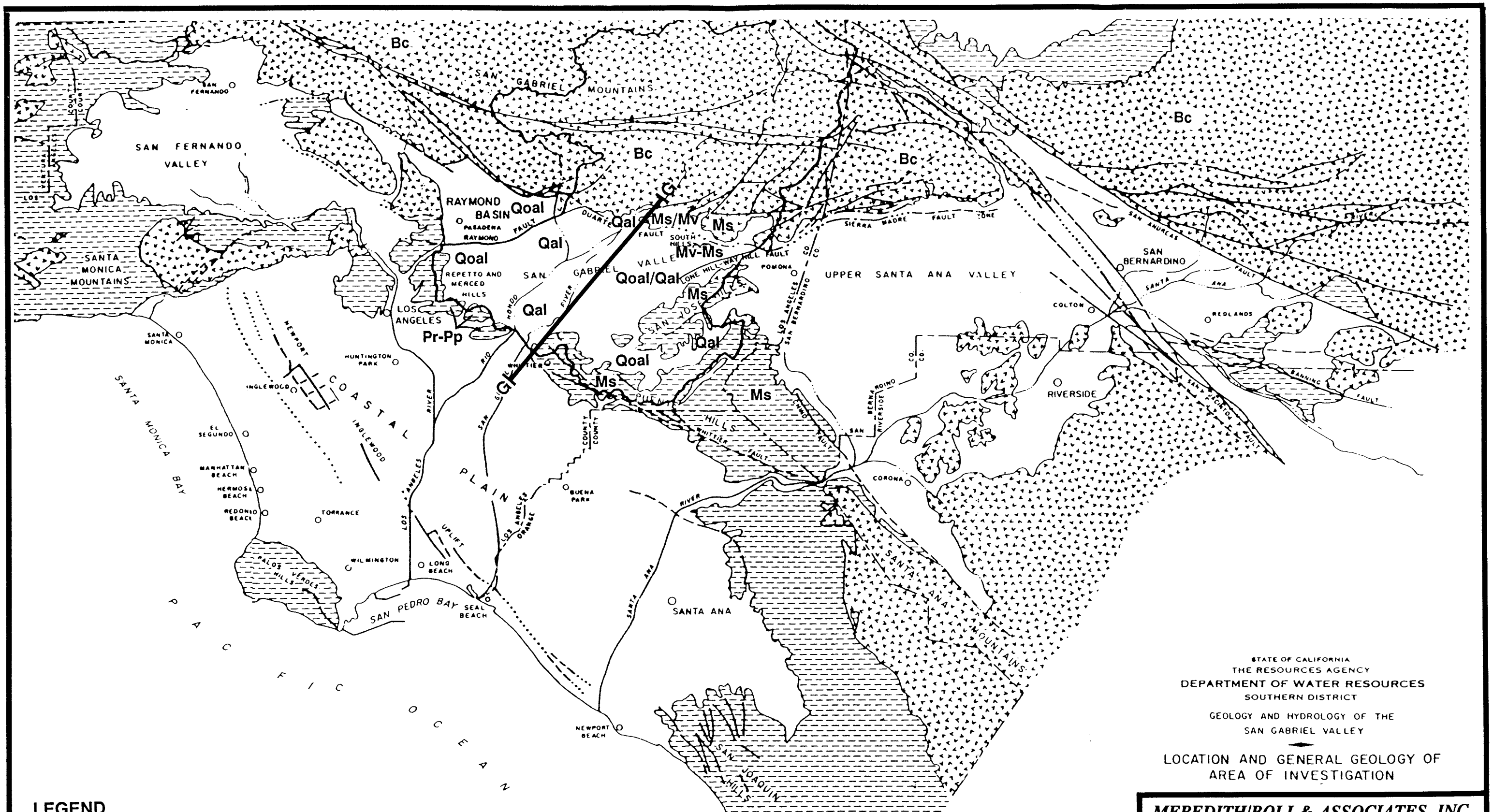
2.2.1 Regional Geology

The San Gabriel Valley is a nearly triangular drainage area that has been filled by sediments accumulated during most of the Tertiary and Quaternary periods. Valley sediments northeast from the Whittier Narrows are estimated to exceed 12,000 feet in thickness. Infilling of the basin with marine and non-marine sediments from the late Miocene to early Pleistocene was coincident with downwarping of the basin. During most of the Quaternary period, the basin was filled with alluvial sediments derived from the San Gabriel Mountains. Quaternary sediments were deposited as a series of coalescing alluvial fans, with the apexes of the fans at the mouths of the adjacent mountain canyons (Figures 2-1 and 2-2).

At the junction of the San Gabriel Valley and the San Gabriel Mountains is the Sierra Madre Fault System. This system is made up of five to six smaller faults, of which the closest to the OSCO facility is the Duarte Fault. The Sierra Madre Fault System is seismically active (Yerkes, et. al., 1965).

2.2.2 Site Geology

The geology beneath the OSCO facility consists of Holocene alluvium, which is underlain by older Pleistocene alluvial deposits, all of which were derived from the San Gabriel Mountains. The Quaternary alluvial deposits consist of detrital granite, diorite, and meta-sediments that form poorly sorted, coarse- to fine-grained gravels and sand. Cobbles and boulders ranging up to 6 feet in diameter are interspersed within the gravel and sand matrix. The combination of the large areal extent with a wide range of particle size makes the San Gabriel alluvial fan a very desirable source for aggregate.



STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SOUTHERN DISTRICT

GEOLOGY AND HYDROLOGY OF THE SAN GABRIEL VALLEY

LOCATION AND GENERAL GEOLOGY OF AREA OF INVESTIGATION

LEGEND

N

APPROXIMATE SCALE
0 — 10 MILES

- Investigational Area
- Known Faults
- Inferred Faults
- Concealed Faults

- Qal, Qat, Qoal — Alluvium and Associated Deposits of Recent or Pleistocene Age
- Mv — Glendora Volcanics
- Ms — Puente Formation
- Pp — Puente Formation
- Pr — Repetto Formation
- Sedimentary Rocks of Marine Origin, Mainly Tertiary with Some Cretaceous
- Bc — Basement Complex: Crystalline and Metamorphic Rocks, Jurassic or Older; Some Tertiary Rocks

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REGIONAL GEOLOGY

FIGURE 2-1

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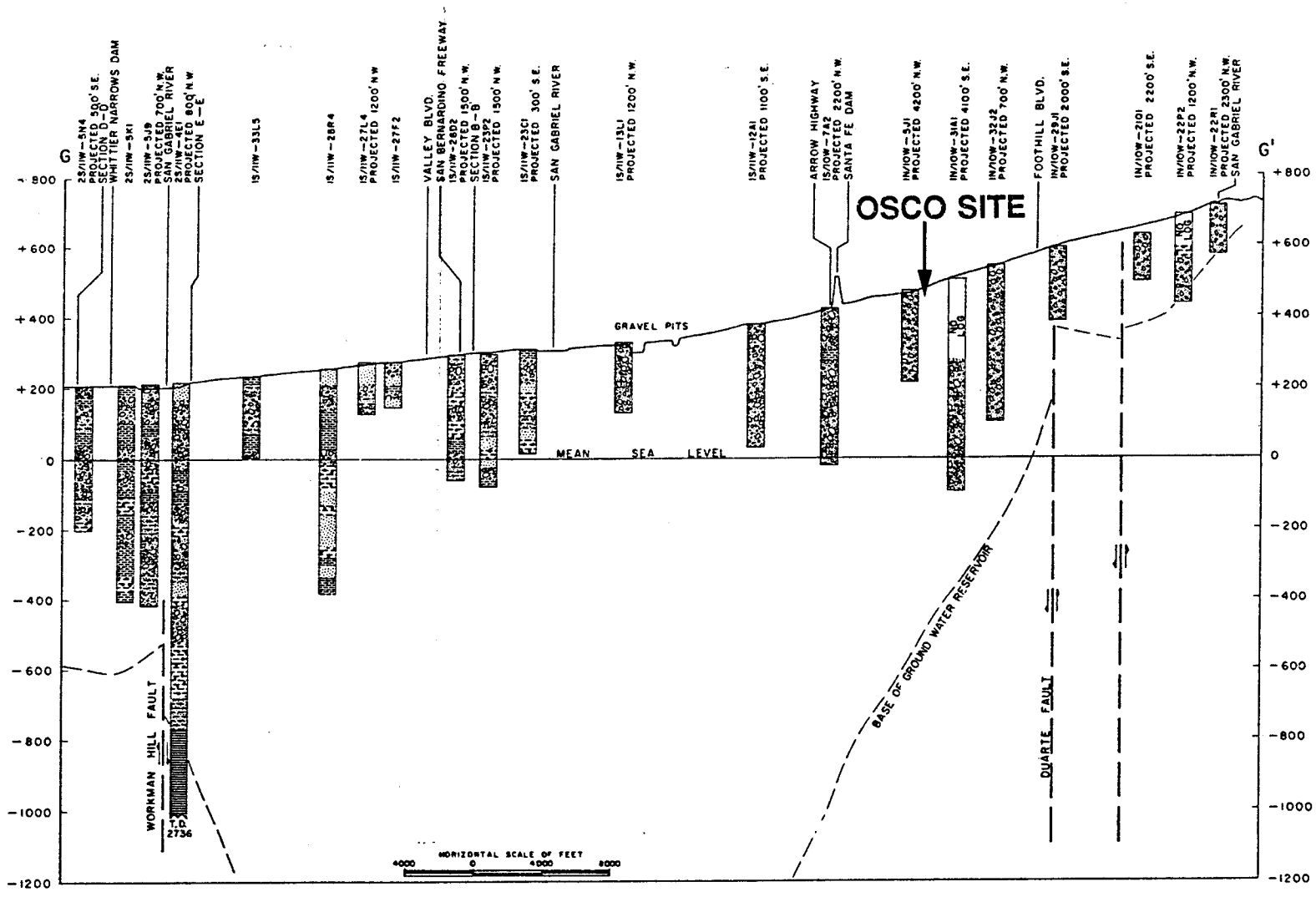

SECTION G—G'—WHITTER NARROWS NORTHEASTERLY TO SAN GABRIEL CANYON ALONG SAN GABRIEL RIVER

SAND
GRAVEL OR GRAVEL AND SAND
CLAY
SANDY CLAY
GRAVELY CLAY
SEDIMENTARY BEDROCK
CRYSTALLINE BEDROCK
FAULTS

NOTE: LOCATIONS OF WELL LOG SECTIONS ARE SHOWN ON PLATE 13

MODIFIED FROM: State of California Resources Agency
Department of Water Resources Southern District

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GEOLOGY AND HYDROGEOLOGY OF THE SAN GABRIEL VALLEY

GEOLOGIC SECTION G-G'

FIGURE 2-2

1990-211

10/14/91

2.3 HYDROGEOLOGY

2.3.1 Regional Hydrogeology

The upper 1,200 to 2,500 feet of fill in the central San Gabriel Valley can be characterized as a large single aquifer, bounded on all sides by upland bedrock terrains. The bedrock terrains can produce relatively limited amounts of water (5 to 15 gallons per minute; gpm), but are considered regionally as non-water bearing when compared to the typical yields from the valley aquifer (100 to 4,000 gpm). The Department of Water Resources defines the effective base of the groundwater reservoir as coinciding with the base of unconsolidated sediments (DWR, 1966), which at the OSCO site is estimated to occur at -700 feet msl. The average depth to water is 300 feet bgs in the Irwindale area. Thus, the total saturated thickness of the San Gabriel Valley aquifer adjacent to the site is approximately 900 feet. The saturated thickness increases to greater than 1,500 feet south from the site (DWR, 1966).

Recharge to the valley occurs from precipitation (15 inches of annual rainfall) and runoff from the surrounding mountainous bedrock terrains. Tributaries of the Rio Hondo River drain the San Gabriel Mountains, Repetto Hills, and Merced Hills and tributaries of the San Gabriel River, San Jose Wash, and Walnut Creek drain the San Gabriel Mountains, San Jose Hills, and Puente Hills. The entire valley aquifer discharges into the Los Angeles groundwater basin through the Whittier Narrows. On a regional scale, groundwater flow patterns mimic surface water movement. Groundwater moves away from upland recharge areas toward the center of the aquifer. In the central part of the valley aquifer, flow is primarily southwest toward Whittier Narrows (Figure 2-3).

2.3.2 Site Hydrogeology

Groundwater beneath the site is contained within the alluvial deposits of the valley aquifer. Depth to groundwater averages 300 feet bgs. The predominant groundwater flow direction varies from west to southwest (M/B&A, 1991).

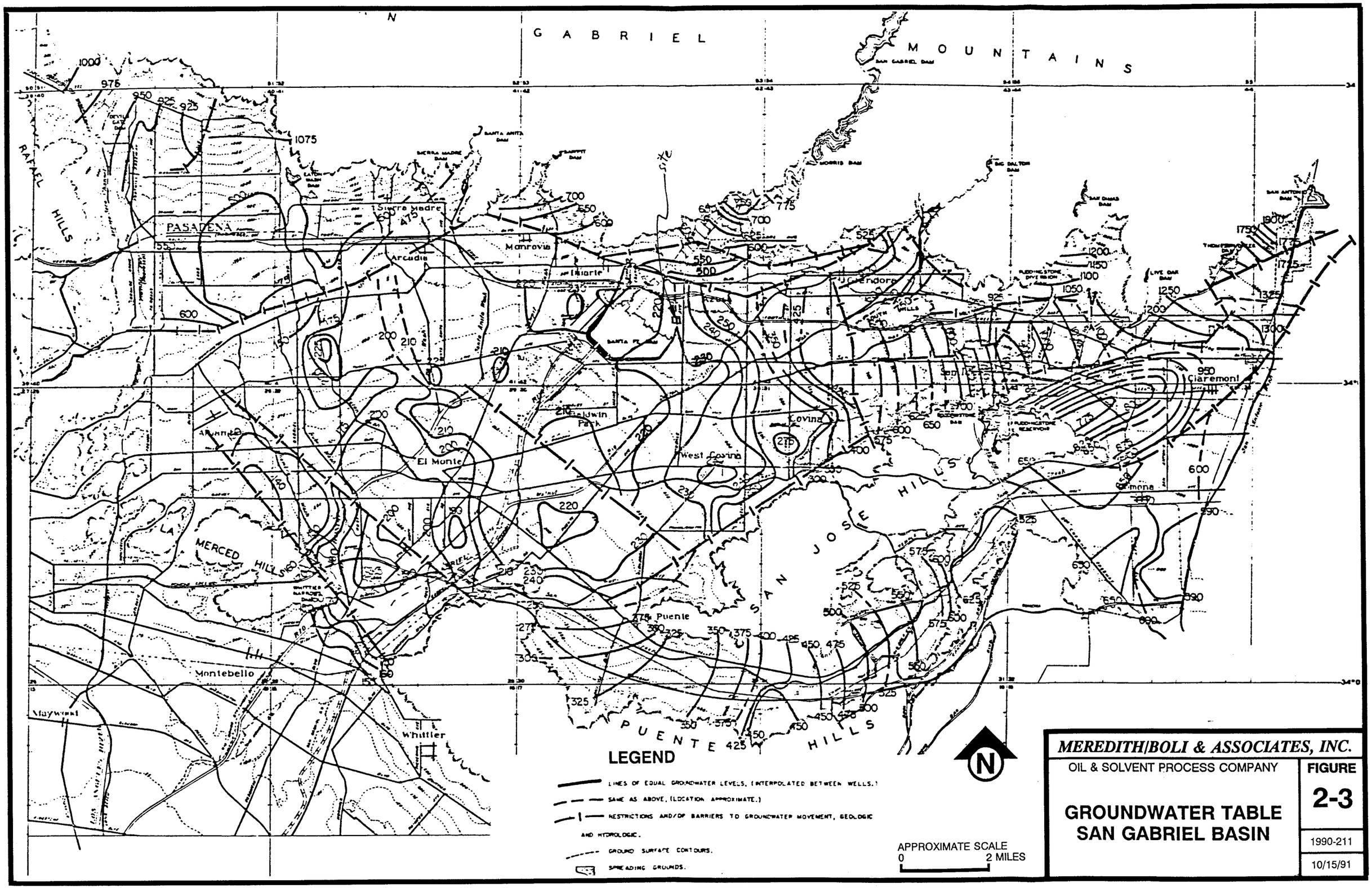
2.3.3 Surface Water Hydrology

Rapid infiltration of precipitation occurs through the loose alluvial deposits of the Irwindale area. However, most of the OSCO site is covered by cement and asphalt and surface water runoff is directed to the sanitary sewer system by on-site channels and drains. Water collected in the active operating (i.e., bermed) areas is contained and siphoned to temporary storage tanks for treatment or disposal.

2.3.4 Local Water Use

More than 400 water supply wells in the San Gabriel Valley extract groundwater for industrial, commercial, and domestic purposes. Forty-six (46) different water purveyors operating in the San Gabriel Valley provide drinking water to approximately one million persons.

Contamination of groundwater by volatile organic compounds (VOCs) first was detected in 1979. By 1984, 59 wells were found to be contaminated with VOCs at concentrations above state action levels. Water purveyors with contaminated wells have been required to take wells out of production, employ treatment measures, or blend the contaminated water with other water supplies to ensure that the contaminant concentrations are below state action levels.



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GROUNDWATER TABLE SAN GABRIEL BASIN

FIGURE **2-3**

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3.0 GROUNDWATER MONITORING SYSTEM

3.1 WELL PLACEMENT

A total of four groundwater monitoring wells, two upgradient and two downgradient, are proposed for installation at the OSCO site (Figure 3-1). To determine appropriate well locations, groundwater elevation data collected from Wells 1, 2, and 3 at the Azusa Land Reclamation Landfill during the period 1985 to 1987 were reviewed (Table 3-1). Wells 1, 2, and 3 are located approximately 2,000 feet southeast, 3,000 feet southeast, and 1,500 feet northeast, respectively, from the OSCO facility (Figure 1-2). The screened intervals of these wells are similar to those anticipated at the OSCO facility.

Analysis for monthly groundwater elevation data reveals a range of flow directions between west and south-southeast. The predominant gradient directions are west and southwest and occur during the drier months of the year. During wet months, the flow in the San Gabriel River and the retention and recharge that occurs via the Santa Fe Flood Control Basin cause a temporary groundwater flow to the south, after which the predominant west-southwest flow direction is re-established.

The numbers and locations of wells selected are the minimum necessary to establish site-specific groundwater gradients and to provide upgradient/downgradient comparisons. One of the goals for the Phase III investigation is to establish groundwater flow directions and to determine the relationship of precipitation to flow direction at the site. Once groundwater quality and flow are better understood, it may be appropriate to augment the monitoring system by installing one or more additional wells.

3.1.1 Upgradient Wells

Monitoring Wells MW-1 and MW-2 will function as upgradient wells. MW-1 will be located near the main entrance of the facility, at the northern property boundary. MW-2 will be located east from the operational portion of the OSCO facility (Figure 3-1).

3.1.2 Downgradient Wells

Monitoring Wells MW-3 and MW-4 will serve as downgradient monitoring points and will be located on the western and southwestern property boundary, respectively (Figure 3-1). These wells are located downgradient from the active facility operating area and areas of known site contamination.

3.2 DRILLING METHOD

Wells will be drilled using direct mud rotary drilling equipment with a nominal 12¾-inch diameter bit. Drilling mud will consist of natural materials, hydrated with potable water available at the OSCO facility. No organic solvents or lubricants will be applied to down hole or fluid circulating equipment.

The regional, unconfined water table is anticipated to be encountered at approximately 280 to 300 feet bgs. Each boring will be advanced to a target depth of 350 feet bgs. Penetration rates, changes in drilling fluid level, and cuttings returned in the drilling fluid will be used to describe the stratigraphy in each borehole on a Field Boring Log (Figure 3-2). The depth to water will be estimated from drilling conditions and available measurements from nearby wells. Soil samples for chemical analyses may be collected at the discretion of the field geologist.

A list of suggested field equipment for drilling is presented on Table 3-2 [illegible]

decontamination drilling mud?

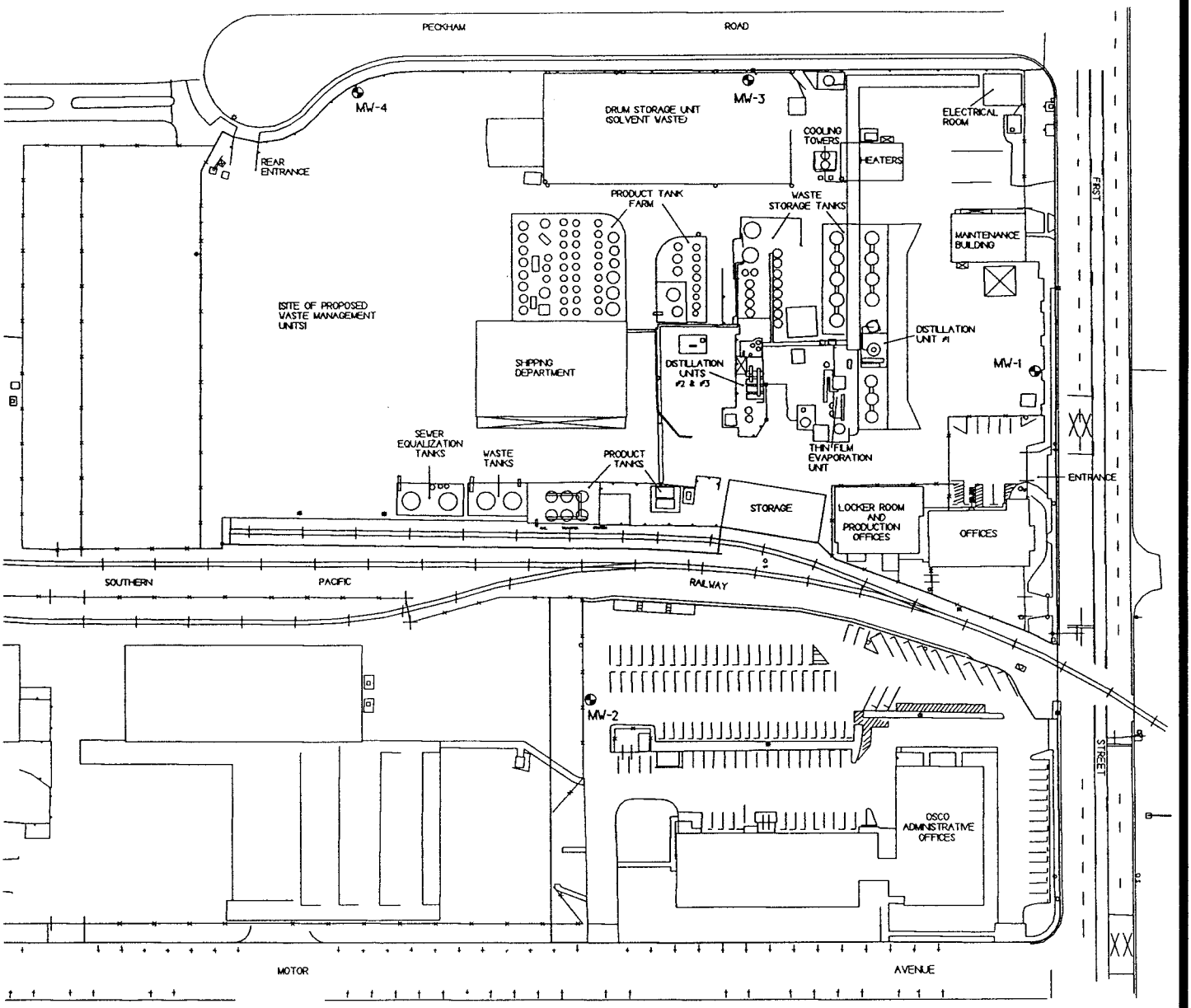
page [illegible] Geoshtrend method for determining depth?

TABLE 3-1

GROUNDWATER FLOW DIRECTIONS DETERMINED FOR THE AZUSA LAND RECLAMATION LANDFILL (APRIL 1985-MARCH 1987)[a]

Date	Precipitation (inches)[b]	Groundwater Flow Direction
April 1985	0.00	West
May 1985	0.23	West
June 1985	0.00	West
July 1985	0.01	Southwest
August 1985	0.00	West
September 1985	0.36	West
October 1985	0.65	Southwest
November 1985	4.36	Southwest
December 1985	0.29	Southwest
January 1986	3.29	South-Southwest
March 1986	6.47	South-Southeast
May 1986	0.00	Southeast
July 1986	0.10	West
September 1986	2.47	West
November 1986	1.33	West
January 1987	1.75	Southwest
March 1987	1.44	Southwest

[a] Source: LeRoy Crandall and Associates, 1987.
[b] Source: NOAA (monthly reports).



SOURCE: Airborne System, Inc. July, 1991.

MW-1 Groundwater Monitoring Well

APPROXIMATE SCALE
0 100 FEET

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PROPOSED GROUNDWATER MONITORING WELL LOCATIONS

FIGURE 3-1

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FIGURE 3-2
EXAMPLE FIELD BORING LOG FORM

SUB-SURFACE DATA

BORING LOG NO. _____
(Continued)

Project _____ Project No. _____

Project Location _____ Date(s) _____

Drilling Method _____ Driving Weight _____ Average Drop _____

Field Geologist _____ Ground Elevation _____

DEPTH IN FEET	UNDISTURBED SAMPLE	SAMPLE NUMBER	CLASSIFICATION UNIFIED SOIL SYSTEM	BLOW COUNT	ORGANIC VAPOR READING (ppm)	MOISTURE CONTENT (%)	DRY UNIT WEIGHT (lbs / ft^3)	DESCRIPTION	REMARKS
40									
45									
50									
55									
60									
65									
70									
75									
80									

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TABLE 3-2

SUGGESTED FIELD EQUIPMENT FOR DRILLING, WELL INSTALLATION, AND WELL DEVELOPMENT

Site Safety and Health Plan
Personal Protective Equipment (to Level C)
Organic Vapor Analyzer
Weighted Fiberglass Tape Measure
Camera and Film
Hand Trowels, Rock Hammer, Sieve Set, Shovels
Monsell Color Chart
Hand Lens
Markers, Pens, Pencils
Distilled Water
Liquinox
Buckets, Brushes
Traffic Barricades
Site Map
Tool Kit
Hand Soap
Nitrile and Latex Gloves
pH and Conductivity Standards
Imhoff Cones and Stands
Nephelometer
Disposable Towels

Forms:

- Field Log Books
- Boring Log Forms
- Monitor Well Construction Summary
- Waste Labels

3.3 GEOPHYSICAL LOGGING

Boreholes will be logged using geophysical methods. After drilling to terminal depth, each borehole will be logged by electrical methods (resistivity and spontaneous potential) and gamma logging. Geophysical logging measurements will supplement descriptive lithologic logs in the interpretation of subsurface physical conditions.

3.4 WELL CONSTRUCTION

P 11-79 R3 Ch 11 of SW8-46

3.4.1 Construction Materials

Well screen will be constructed of stainless steel. A screen slot size of 0.020 inches is anticipated, based on the selected slot size of other recently installed local wells. Casing material will be constructed of mild carbon steel and will be 5 inches in diameter. A 5-foot minimum length section of blank stainless steel casing will connect the top of the screened section to the bottom of the mild steel section. Screen and casing segments will be connected using weldable drill collars.

Stainless steel centralizers will be installed to center the casing in the borehole. Sandpack material will consist of uniform, clean, well rounded, well sorted, silica sand or gravel, sized to meet the requirements of the slot size and formation. The bentonite seal above the sand pack will be produced using hydrated bentonite pellets. The cement annular seal will consist of a six-sack Portland mix with 5% bentonite.

no 11-114

10% If screened interval is within the sat. zone

3.4.2 Well Design

The anticipated depth to water at the OSCO facility at the time of installation is 280 to 300 feet bgs. Present plans are to install a screened interval of 80 feet, with approximately 40 feet of submergence. The unsubmerged interval is reserved to accommodate the rise in groundwater levels expected to occur once the current drought conditions end. Borehole length in excess of 40 feet of submergence will be sealed with bentonite slurry.

Sandpack material will extend from the bottom of the boring to 10 feet above the top of the well screen. A bentonite slurry seal 5-feet thick will be placed above the filter pack. The cement annular seal will extend to within one foot of the ground surface. ?

A steel protective monument will be set in concrete above the wellhead. Steel traffic barricades will surround the monument, which will be set in a raised 4-foot square concrete pad. A steel pin will be placed in the pad to indicate the survey monument point. An embossed aluminum information plate will be completed for each well and attached to each monument. The plate will contain the following information: 1) well designation; 2) total well depth; 3) screened interval depth; 4) owner's name; and 5) date installed.

Well completion details will be recorded during installation on a standard Monitor Well Construction Summary form (Figure 3-3). The proposed well design is shown in Figure 3-4.

3.4.3 Installation Methods

All tremie pipe, centralizers, screen and casing material, and other down hole tools and equipment will be steam cleaned prior to insertion in the borehole. Centralizers will be placed at 40-foot intervals as the casing is lowered into the borehole. The casing string will remain under tension while annular fill materials are placed.

FIGURE 3-3

Well No. _____

Boring No. X-Ref: _____

MONITOR WELL CONSTRUCTION SUMMARY

Survey Coords: _____ Elevation Ground Level _____

Top of Casing _____

Drilling Summary:

Total Depth _____

Borehole Diameter _____

Casing Stick-up Height: _____

Driller _____

Rig _____

Bit(s) _____

Drilling Fluid _____

Protective Casing _____

Construction Time Log:

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling				
Geophys.Logging:				
Casing:				
Filter Placement:				
Cementing:				
Development:				

Well Design & Specifications

Basis: Geologic Log ____ Geophysical Log ____

Casing String (s): C = Casing S = Screen.

Depth	String(s)	Elevation
___ - ___		___ - ___
___ - ___		___ - ___
___ - ___		___ - ___
___ - ___		___ - ___
___ - ___		___ - ___

Casing: C1 _____

C2 _____

Screen: S1 _____

S2 _____

Filter Pack: _____

Grout Seal: _____

Bentonite Seal: _____

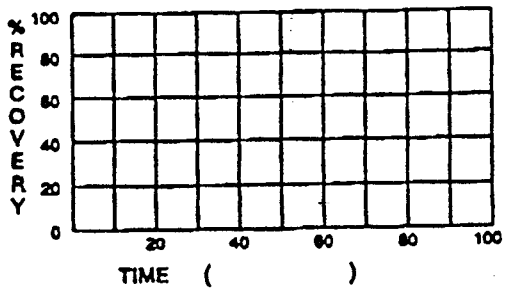
Well Development:

Stabilization Test Data:

Time	p H	Spec. Cond.	Temp (C)

Recovery Data:

Q= S_o=



Comments:

SITE NAME _____ LOCATION _____

WC 9401

SUPERVISED BY _____ DATE _____

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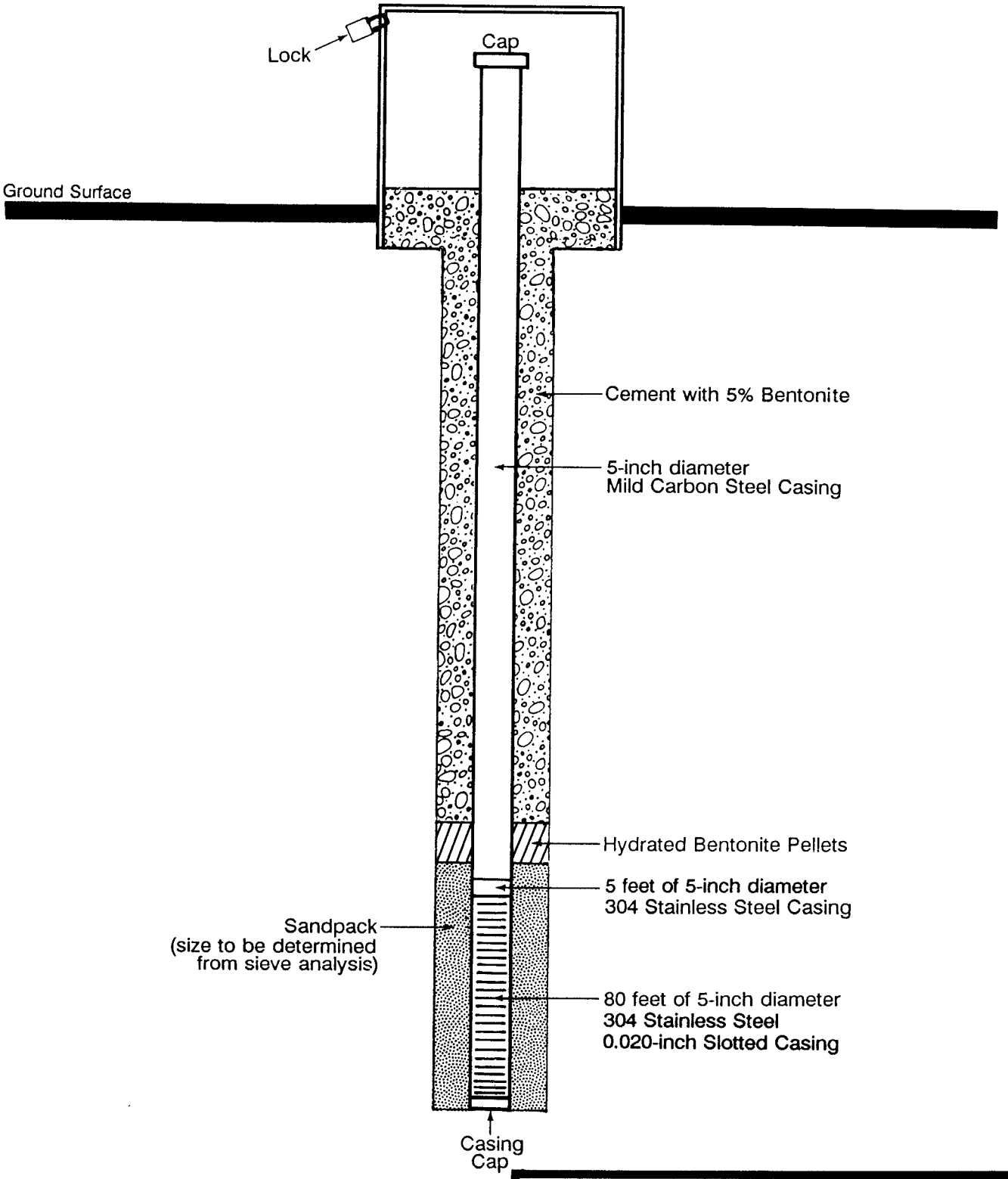

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PROPOSED GROUNDWATER MONITORING WELL DESIGN

FIGURE 3-4

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NOT TO SCALE

Filter pack, bentonite, and cement slurry will be placed from the bottom of the annular space upward through threaded tremie pipe sections. The bentonite will be hydrated prior to mixing the neat cement seal. The neat cement seal will be installed as a "single pour" event.

3.4.4 Drilling Equipment Decontamination

A polyvinyl chloride (PVC)-lined decontamination pad will be constructed where drilling and development equipment and tools can be steam cleaned prior to use at each drilling location. The equipment also will be cleaned prior to leaving the site after completion of installation/drilling activities.

Decontamination rinsate water will be collected from the pad, contained, labeled, and temporarily stored. Water will be sampled and analyzed for volatile organic compounds (USEPA Method 624). Analytical results will be used to profile and dispose of waste water. Soil directly beneath the decontamination pad will be sampled for volatile organic compounds (USEPA Method 8240), both before and after the pad is operational. Soils that show evidence of significant increases in contaminant concentrations will be excavated and disposed of following pad decommissioning.

what will the pad be made of

3.5 WELL DEVELOPMENT

how will they ensure drilling mud does not contaminate the aquifer

Wells will be developed by bailing and surging, followed by overpumping and backwashing. Bailing first will be used to remove particulate matter (e.g., fine sand, silts, and drilling mud) from the well casing. Surging, by bailer and surge block to develop the filter pack, will follow bailing of fines. Development will be completed by temporarily installing an electrical submersible pump and overpumping and backwashing. Backwash water will be limited to water contained in the pump discharge line. All development equipment will be steam cleaned prior to insertion into the casing.

During development, the following parameters well be measured/observed and recorded at appropriate intervals: 1) development method; 2) extraction/pumping rate; 3) depth to water; 4) pH; 5) electrical conductivity; 6) temperature; 7) sediment production; and 8) turbidity. Development will continue until consistently clear water is produced, as evidenced by the stabilization of measured parameters.

3.6 WELL SURVEY

Each well will be surveyed and certified by a Licensed Land Surveyor or Registered Civil Engineer. Two reference points will be surveyed at each well: 1) the reference pin set in the concrete monument base and 2) the established depth to water reference mark on the sample pump well cap.

Elevations and horizontal coordinates will be measured to 0.01-foot accuracy. Elevations will be calculated using msl reference, based on an established bench mark (USGS or Los Angeles County). Horizontal position will be referenced to the California Coordinate Grid Position System.

4.0 GROUNDWATER SAMPLING PROCEDURES

4.1 STATISTICAL SUFFICIENCY

In establishing the numbers and locations of monitoring wells for this program, one objective was to provide adequate coverage for upgradient and downgradient positions, given the temporal changes in groundwater gradients noted near the site (see Section 3.1 herein). Thus, for any given sampling event, it is intended that upgradient/downgradient samples be drawn from the same statistical population source.

4.2 EQUIPMENT

4.2.1 Groundwater Purge/Sample Equipment

OSCO is planning to install a dedicated purge pump and a dedicated sample pump in each well. Dedicated electric, stainless steel, submersible pumps will be installed to purge groundwater prior to sampling. Selection of submersible pumps is predicated on construction of deep (>300 feet), high-recovery wells with pre-sampling purge volumes greater than 50 gallons. Stainless steel discharge pipe will be installed below the top of the well screen; mild steel pipe will be installed to the well head. Pump horsepower and discharge pipe diameter will be selected for efficient extraction rates.

Dedicated pneumatic, stainless steel/teflon/PVC bladder pumps will be installed in each well to collect groundwater samples. Polyethylene and teflon-lined polyethylene tubing will be used for air pressure and groundwater discharge lines, respectively.

The bladder pump will be installed in the lowermost portion of the well screen section. The electric submersible pump will be installed immediately above the bladder pump. Sampling equipment will be shipped certified-clean from the manufacturer or decontaminated and triple rinsed in the field.

4.2.2 Water Level Measurement Equipment

OSCO is planning to install a dedicated, pneumatic-electronic water level monitoring system in each well. The proposed system, described in Appendix B hereto, is manufactured by Q.E.D. Environmental Systems of Ann Arbor, Michigan.

The system works by measuring the amount of back pressure needed to displace well water from a dedicated probe and tubing installed in each well. The minimal air flow (5 ml/sec) back pressure is read as feet of probe submergence on the portable meter. The precision of the system is 0.01-feet. Dedicated down hole equipment will eliminate the potential for cross contamination by standard portable water level tape measurements.

The stainless steel well probes and polyethylene tubing will be shipped certified-clean from the manufacturer. The system will be installed after the dedicated purge/sample pumps are in-place. To install the dedicated probes, the following steps will be followed:

- Thoroughly decontaminate the portable electric water level tape needed to place the probe/tubing assembly
- Accurately measure depth to water from surveyed well cap reference point in the well using the portable tape
- Insert probe/tubing assembly in well

- Read submergence on meter and add to depth to water to determine the depth of probe end
- Subtract depth of probe end from well cap elevation to determine elevation of probe
- Record depth and elevation of probe on embossed aluminum information plate at well.

Subsequent water level (probe submergence) measurements will be compared with the probe elevation to determine water level elevation.

4.3 GROUNDWATER MONITORING SCHEDULE

4.3.1 Water Level Measurements

RWQCB and other agency files will be reviewed to identify wells within 1 mile from the OSCO facility (a preliminary set of potential wells is depicted in Figure 1-2 herein). Wells with screened intervals similar to those to be installed at the OSCO facility will be noted. An attempt will be made to access up to twelve similarly screened wells with surveyed elevation reference points to measure water levels. OSCO may request RWQCB/USEPA assistance to measure wells where owners deny access. OSCO will not be responsible for the accuracy of elevation measurements from off-site wells. good

Depth to water in non-OSCO wells will be measured using a portable electric water level meter tape. The tape will be marked with gradations not less than 0.05 foot. Depth measurements will be recorded with an engineer's scale to 0.01-foot precision on a Field Information Form (Figure 4-1). Well locations relative to prominent buildings, streets, or landmarks will be noted. Depths to water in OSCO facility wells will be measured using the dedicated water level monitoring system described in Section 4.2.2 herein.

Water levels will be measured during groundwater sampling activities. Depth to water will be measured at OSCO facility wells and at the off-site wells monthly for three months; thereafter, OSCO wells (only) will be measured quarterly. OSCO facility wells will be measured on the same day. If scheduling and access allows, off-site wells will be measured within 72 hours of OSCO facility measurements.

4.3.2 Groundwater Sampling

What's the pumping rate?

Groundwater will be sampled from OSCO facility wells monthly for three months, then quarterly thereafter. Initial sampling will take place within 48 hours from the installation of the dedicated sampling pumps, depending on sampling conditions.

4.4 SAMPLING CONDITIONS

Depth to water measurements and groundwater sampling will occur under "dry weather" conditions.

4.5 PRE-SAMPLING PROCEDURES

4.5.1 Calibration of Instruments

Several instruments will be used to collect ancillary data during sampling episodes. These include:

- Dedicated water level meter
- pH meter

FIGURE 4-1

WMI Environmental Monitoring Laboratories, Inc.

Site # ____

Bottle Set: ____

Sample Point: ____ (Source Code)

FIELD INFORMATION FORM

PURGING INFORMATION

PURGE DATE (YY MM DD) | START PURGE (2400 Hr Clock) | ELAPSED HRS | WATER VOL. IN CASING (Gallons) | ACTUAL VOLUME PURGED (Gallons)

PURGING AND SAMPLING EQUIPMENT

Purging Equipment ..... Dedicated | Y | | N | (circle one) Sampling Equipment ..... Dedicated | Y | | N | (circle one)

Purging Device	____	A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X-____ PURGING OTHER (SPECIFY)
Sampling Device	____	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X-____ SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material	____	A-Teflon	C-Polypropylene	E-Polyethylene	X-____ PURGING OTHER (SPECIFY)
Sampling Material	____	B-Stainless Steel	D-PVC		X-____ SAMPLING OTHER (SPECIFY)
Tubing-Purging	____	A-Teflon	D-Polypropylene	F-Silicon	X-____ PURGING OTHER (SPECIFY)
Tubing-Sampling	____	B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X-____ SAMPLING OTHER (SPECIFY)
		C-Rope X-____ (SPECIFY)			
Filtering Devices 0.45 μ:	____	A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	____ (ft/msl)	Land Surface Elevation	____ (ft/msl)
Depth to water From top of well casing	____ (ft)	Depth to water From land surface	____ (ft)
Groundwater Elevation	____ (ft/msl)	Groundwater Elevation	____ (ft/msl)
Well Depth	____ (ft)	Stickup	____ (ft)

1st	____ ph (STD)	1st	____ spec. cond. μm/cm at 25° C	Sample Temp.	____ (° C)
2nd	____ ph (STD)	2nd	____ spec. cond. μm/cm at 25° C	____ (other parameter)	____ value ____ units
3rd	____ ph (STD)	3rd	____ spec. cond. μm/cm at 25° C	____ (other parameter)	____ value ____ units
4th	____ ph (STD)	4th	____ spec cond. μm/cm at 25° C	____ (other parameter)	____ value ____ units

FIELD COMMENTS

Sample Appearance: ____ (if applicable) Odor: ____ Color: ____ Turbidity: ____

Weather Conditions: Wind Speed ____ Direction ____ Precipitation Y/N Outlook ____

Specific Comments: ____

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

____ / / ____ (Date) ____ (Signature) Employer: ____

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- Electric conductivity meter
- Thermometer/thermocouple.

Each instrument will be calibrated at the beginning of each day of use. Instrument calibration will be checked between sampling locations, with recalibration being performed on an as needed basis.

4.5.2 Equipment Decontamination

OSCO facility wells will be fitted with dedicated water level measurement devices and purge/sampling pumps. This equipment will be installed to prevent the possibility of cross contamination between wells during the sampling event.

The only portable (i.e., non-dedicated) down hole groundwater sampling equipment to be used during Phase III will be the portable electric water level meter tape. This device will be used to install the dedicated water level systems and to measure depths to water in off-site wells. It will be decontaminated with Liquinox (or equivalent) non-phosphate detergent, followed by tap water/distilled water rinses.

4.6 SAMPLING PARAMETERS/ANALYTES

Initial groundwater samples will be analyzed for organic compounds and metals according to the methods and expected detection limits listed on Table 4-1. It is believed that the number of analytes and methods can be reduced during subsequent sampling events, based on initial analytical results. In particular, the use of redundant methods for organic analyses (i.e., Methods 624/625 versus 601/602) will be eliminated. If appropriate, a revised list of sampling parameters will be submitted to USEPA/Cal EPA for approval.

4.7 SAMPLE COLLECTION

4.7.1 Sample Collection Order

Water levels will be measured and recorded before well purging and sampling. After the well has been purged, samples will be collected as follows: 1) volatile organics; 2) semi-volatile organics; 3) pesticides/PCBs; 4) total organic carbon; and 5) metals. This order represents a qualitative listing of decreasing volatilization sensitivity of the analytical parameters.

4.7.2 Sample Containers

Groundwater samples will be collected in the containers listed on Table 4-2.

4.7.3 Sample Labels

A label will be affixed permanently to each sample container after it is filled. The label will bear the following information in indelible ink:

- Well designation
- Date
- Time

TABLE 4-1

SELECTION OF ANALYTICAL
PARAMETERS AND METHODS

Parameter	USEPA Method	Representative Detection Limit(s) (ug/l)
Organic Compounds		
Volatiles (Purgeable)	624/8240	5-10
Volatiles (Halogenated)	601/8010	0.5-1
Volatiles (Aromatic)	602/8020	0.5-1
Semi-Volatiles (Base/Neutrals and Acids)	625/8270	10-50
Pesticides and PCBs	608/8080	0.1-2
Total Organic Carbon	415.1/9060	NA
Metals		
Aluminum (ICAP)	200.7/6010	200
Arsenic (AA Furnace)	206.2/7060	10
Barium (ICAP)	200.7/6010	200
Cadmium (ICAP)	200.7/6010	5
Chromium (ICAP)	200.7/6010	10
Copper (ICAP)	200.7/6010	25
Lead (AA Furnace)	239.2/7421	5
Manganese (ICAP)	200.7/6010	15
Mercury (Cold Vapor AA)	245.2/7470	0.2
Nickel (ICAP)	200.7/6010	40
Zinc (ICAP)	200.7/6010	20

NA = Not applicable.

TABLE 4-2

SAMPLE CONTAINERS, PRESERVATION TECHNIQUES, AND HOLDING TIMES

Parameter	Vol. Req. (ml)	Container	Sample Preservation Notes
Organic Compounds			
Volatiles (Purgeable)	40 (four)	Amber Glass	RF, 14, HCl
Volatiles (Halogenated)	40 (four)	Amber Glass	RF, 14, HCl
Volatiles (Aromatic)	40 (four)	Amber Glass	RF, 14, HCl
Semi-Volatile Organics	1,000 (two)	Amber Glass	RF, 7
Pesticides and PCBs	1,000 (two)	Amber Glass	RF, RC, 7
Total Organic Carbon	40 (two)	Amber Glass	OF
Metals			
Aluminum	1,000[a]	Plastic	OF, pH_2
Arsenic	1,000[a]	Plastic	OF, pH_2
Barium	1,000[a]	Plastic	OF, pH_2
Cadmium	1,000[a]	Plastic	OF, pH_2
Chromium	1,000[a]	Plastic	OF, pH_2
Copper	1,000[a]	Plastic	OF, pH_2
Lead	1,000[a]	Plastic	OF, pH_2
Manganese	1,000[a]	Plastic	OF, pH_2
Mercury	1,000[a]	Plastic	OF, pH_2
Nickel	1,000[a]	Plastic	OF, pH_2
Zinc	1,000[a]	Plastic	OF, pH_2

[a] One 1,000-ml plastic bottle should be collected to perform the ICAP analysis and a second 1,000-ml plastic bottle should be collected for the AA analyses.

Sample Preservation Notes:

RF: The sample must be refrigerated at 4° celsius from the time of collection until extraction.
RC: Refrigerate sample container before sampling at 4° celsius.
7: All samples must be extracted within 7 days of collection.
14: All samples must be analyzed within 14 days of collection.
pH_2: Collect about 1,000 ml sample in a clean container. Adjust the pH of the sample to < 2 by adding 1:1 diluted HNO_3 and mix gently. Fill sample container and transport.
HCl: Sample pH is adjusted to <2 by the addition of 1:1 diluted HCl (usually added in the sample container prepared by the laboratory)
OF: On-site sample filtration.

- Site name
- Sampler's initials
- Preservatives (if applicable)
- Filtration status (if applicable)
- Intended analyses.

After being closed and labeled, each sample container will be placed individually in a clean, zip-lock plastic bag.

4.7.4 Pre-Sample Purging

pumping rate purging to fast removes volatiles

Standing water in the well casing and filter pack will be removed before sampling. Water will be extracted using the dedicated purge pump. Electrical conductivity, pH, and temperature will be measured at equally spaced volume intervals during purging. The time, volume, and parameter measurements will be recorded on the Field Information Form (Figure 4-1). Purging will continue until a minimum of three well volumes of water are purged and parameter measurements have stabilized.

4.7.5 Sample Collection

Samples will be collected immediately after the conclusion of purging. The sampling pump will be used to obtain groundwater samples at a reduced pumping rate to avoid sample agitation. Samples will be collected directly from the pump discharge into the sampling containers, except for filtering (for metals and total organic carbon) or in cases where preservation techniques require an intermediate vessel. A list of suggested field sampling (and purging) equipment is presented on Table 4-3.

4.7.6 Field Filtered Samples

Groundwater samples collected for metals and total organic carbon analyses will be filtered in the field before containment. In-line, single use, disposable filters of 0.45-micron pore size will be threaded to the pump discharge line. Groundwater will pass through the filter and be directed to the sample container.

4.8 SAMPLE PRESERVATION

Depending of the analytical method, samples will be preserved according to the procedures listed on Table 4-2. "Blue Ice" will be used in laboratory sample container shuttles for refrigeration. Each blue ice packet will be placed and sealed in a clean, zip-lock plastic bag before use.

4.9 QUALITY CONTROL SAMPLES

4.9.1 Trip Blanks

The analytical laboratory subcontractor will provide sealed containers that hold certified "non-detect" distilled water as trip blanks. Trip blanks will accompany each sample container shuttle. Trip blanks will be analyzed by standard USEPA organic test methods.

TABLE 4-3

SUGGESTED FIELD EQUIPMENT FOR GROUNDWATER SAMPLING

Site Safety and Health Plan
Personal Protective Equipment (to Level C)
Organic Vapor Analyzer
Sample Shuttle(s), Containers, Frozen "Blue Ice"
Zip Lock Bags
Well Monument Keys
Air Compressor
Portable Motor
Portable Water Level Tape or Meter
Distilled Water
Liquinox
Buckets, Brushes
Traffic Barricades
Site Map
Tool Kit
VOA Container Stand
Hand Soap
Nitrile and Latex Gloves
pH and Conductivity Standards
Disposable Towels

Forms:

- Sample Labels
- Field Information Forms
- Chain-of-Custody Forms
- Shipping Waybills
- Shipping Labels
- Waste Labels

4.9.2 Field Blanks 25%

The analytical laboratory subcontractor will provide a sufficient volume of certified "not-detect" distilled water for field blank preparation. During sampling of one well during each sampling round, containers for volatile organic analyses will be filled with distilled water. The containers will be filled prior to sampling the well, and sealed after all samples from the well have been collected. Field blanks will be analyzed by standard USEPA organic test methods.

4.9.3 Sample Duplicates 25%

One groundwater well will be sampled in duplicate for all analytes during each sampling round. The duplicate will be analyzed for all parameters listed on Table 4-1 (or a subsequent reduced list approved by USEPA/Cal EPA).

4.9.4 Equipment Rinsate Blanks

All down hole sampling equipment is dedicated, which eliminates the need for equipment decontamination during sampling. Therefore, no equipment rinsate blanks will be collected.

4.10 CHAIN-OF-CUSTODY

The chain-of-custody documentation will allow samples to be tracked from the time of collection through laboratory analysis. The chain-of-custody documentation will include:

- Sample labels
- Shuttle seals
- Field notes
- The Field Chain-of-Custody Record form (Figure 4-2)
- Laboratory logbook.

The chain-of-custody form will be filled out to contain information on every sample, including:

- Site name
- Well designation
- Date and time of sample collection
- Sample matrix
- Sampler's signature
- Number of containers

FIGURE 4-2

Subcontract To: _____

WMI Environmental Monitoring Laboratories, Inc.

AquaPak™ PREP
AquaPak™ # _____
Date Sealed ___ / ___ / ___ (YY / MM / DD)
Seal # _____
By: _____

FIELD CHAIN-OF-CUSTODY RECORD

SITE/FACILITY # ____ SITE NAME: _____

Sample Point: ____ (Source Code)

SAMPLE DATE: - ____ (YY / MM / DD)

SAMPLE TIME: ____ : ____ (2400 HR.) MATRIX CODE: _____

Water . . . . . (W) Leachate . . . . . (C)
Soil . . . . . (S) Other . . . . . (X)

Source Codes:

Well . . . . . (W) Leachate System . . (C) Pretreatment Facility . . . (P) River/Stream/Brook . . (R) Soil . . . . . (S) Generation Pt. . . . . (G)
Dewatering/Pressure Relief . . . . (D) Gas Condensate . . . (M) Influent . . . . . (U) Lake or Ocean . . . . . (L) Bottom Sediment . . . (B) Other . . . . . (X)
Surface Water Impoundment . . . (I) Air . . . . . (A) Effluent . . . . . (T) Outfall . . . . . (O) Noise . . . . . (N) Specify _____

ENS #

AquaPak™ CONTENT

SAMPLE I.D.	# OF BOTTLES	BOTTLE TYPE	PRESERVATIVE TYPE	ANALYTES/LAB GROUPS	FILTER Y — N	FIELD COMMENTS	E.M.L. COMMENTS
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		

CHAIN OF CUSTODY CHRONICLE

1. AquaPak™ Opened By: (print) _____ Date: ___ / ___ / ___ Time: ___ : ___ 2400 HR.
   Signature: _____ Seal #: _____ Intact: _____

I have received these materials in good condition from the above person.

2. Name: _____ Signature: _____
   Date: ___ / ___ / ___ Time: ___ : ___ 2400 HR. Remarks: _____

I have received these materials in good condition from the above person.

3. Name: _____ Signature: _____
   Date: ___ / ___ / ___ Time: ___ : ___ 2400 HR. Remarks: _____

4. AquaPak™/Sub Contr. # _____ Sealed By: _____ (Print) Date: ___ / ___ / ___ Time: ___ : ___ 2400 HR.
   Signature: _____ Seal #: _____ Intact: _____

LAB USE ONLY
Opened By: (Signature) _____ Date: ___ / ___ / ___ Time: ___ : ___ 2400 HR.

AquaPak™/Sub. Contr. # _____ Temp.°C _____ Seal # _____ Intact. _____

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MEREDITH/BOLI & ASSOCIATES, INC.

- Preservatives (if applicable)
- Filtration status (if applicable)
- Intended analyses
- Signature of person(s) in the chain of possession
- Dates and times of possession.

4.11 SAMPLE SHIPMENT

Sample containers, including trip blanks, will be prepared by the analytical laboratory subcontractor and shipped to the OSCO facility in sealed, locked shuttles. Upon receipt of the shuttle, the sampler will examine the condition of the shuttle, the seal, and the sample containers. The condition of the shipment will be recorded (Figure 4-2).

Filled sample containers and a completed chain-of-custody form will be placed in the shuttle for return to the analytical laboratory. The unique return seal number and common carrier waybill for shipment to the laboratory will be entered on the chain-of-custody. The shuttle will be secured during shipment.

Shuttles arriving at the laboratory will examined by the designated representative. The condition of the shuttle, seal, and containers will be entered in the chain-of-custody form and laboratory logbook. The original copy of the chain-of-custody will be attached to the analytical report prepared by the laboratory.

5.0 LABORATORY ANALYSIS PROCEDURES

5.1 SELECTION OF ANALYTICAL LABORATORY

All groundwater samples will be analyzed by a California-certified laboratory. At the present time, OSCO intends to use:

Environmental Monitoring Laboratories, Inc. (EML)
2100 Clean Water Drive
Geneva, Illinois 60134
(708) 208-3100

OSCO reserves the right to use alternative, acceptable laboratories during the course of the groundwater monitoring program.

5.2 LABORATORY QUALITY CONTROL PROCEDURES

A description of the quality control procedures for EML is provided in a separate document that accompanies this Groundwater Monitoring Plan. In addition to strict chain-of-custody procedures, field blanks and trip blanks are used to assure the integrity of the sampling and shipping process. A record of laboratory sample receipt, storage, and analysis procedures will be kept for each sample received. A summary of this record will be part of the laboratory analysis report.

5.3 DETECTION LIMITS

The detection limits of the constituents analyzed for in the groundwater will be those that are achievable with the best available technology. Detection limits utilized for each parameter are identified on the analytical reports provided by the laboratory. A general range of representative values is provided on Table 4-1 herein. Sample matrix interferences, high contaminant concentrations, and/or analytical variability may preclude attainment of these detection limits in all instances.

5.4 ANALYTICAL METHODS

Table 4-1 presents the methodologies that will be used for each parameter (or group of parameters) required in the groundwater monitoring program. All test methods are USEPA approved.

5.5 LABORATORY REPORTING REQUIREMENTS

All analytical data for the OSCO groundwater monitoring program will be accumulated on the EML computer and reviewed by the laboratory for quality assurance and quality control. Hard-copy reports, which include chain-of-custody forms, quality assurance results, and analytical results, will be submitted to OSCO. Furthermore, all EML data can be electronically transferred to a central computer in CWM's Oak Brook, Illinois headquarters, where a variety of reports and graphics can be generated to aid in data reporting and evaluation.

6.0 DATA MANAGEMENT AND REPORTING PLAN

The following Data Management and Reporting Plan has been prepared to provide guidelines for the collection, storage, analysis, reporting, and display of the data collected during the groundwater monitoring phase of the RFI.

6.1 DATA TYPES

Data anticipated to be generated and collected during Phase III activities include:

- Boring logs, well completion summaries, and field logs during well installation
- Geophysical logs and data
- Well survey locations
- Water level measurements
- Water chemistry data.

The data may be collected on a one-time or continuous basis, depending on the protocols established in this Groundwater Monitoring Plan. Data will be generated by several entities during the course of the investigation, including OSCO and its consultants, survey teams, and analytical laboratories. One-time data (e.g., boring logs, field logs, geophysical logs, survey data, etc.) will be presented in the final RFI report; continuously-generated data (i.e., groundwater monitoring data) will be presented in quarterly reports, as described in Section 6.5 herein.

6.2 DATA COLLECTION AND STORAGE

Hard copies of field notes and geophysical logs generated during installation of the groundwater monitoring wells will be collected and maintained by the Primary Environmental Consultant (see Section 7.1 herein). These data will be transformed into boring logs, as-built diagrams, and narrative geologic interpretations and presented in the final RFI report. Computer software programs, such as Logger™, may be use to prepare graphical displays and assist in the data evaluation.

Hard copies of all forms and reports generated during groundwater sampling and analysis will be maintained by the party responsible for groundwater monitoring activities. Periodic groundwater monitoring reports submitted to USEPA/Cal EPA will include copies of the laboratory reports (including all QA/QC data), chain-of-custody records, and completed field information forms.

Groundwater elevation and quality data also will be entered into a database management system as they are received by OSCO and/or its consultant. The TECHBASE™ program is an example of a relational database management system that can be used to store and manipulate data collected during the project. The following information related to the sample will be entered in the database:

- Sample identification (including location)
- Type of sample (groundwater, etc.)
- Date sample was collected/analyzed

- Laboratory identifier
- Test method(s)
- Analytical results
- QA/QC results
- Comments and notes.

The database will be set up to allow easy updating and the quick retrieval of current data in a variety of formats and configurations. It also will be set up so that it can be accessed by data manipulation/ interpretation programs, as described in Section 6.4 herein. The data also will be compiled in a corporation-wide CWM database located at Oak Brook, Illinois.

6.3 QA/QC PROCEDURES

The recognition and assurance of the quality of groundwater monitoring data are crucial to the correct interpretation of monitoring results. Similarly, the usefulness of statistical evaluation of groundwater data primarily is a function of the quality and representativeness of the raw data. Carefully performed sampling and analysis, rigorously applied field and laboratory QA/QC protocols, and knowledge of the design and construction of monitoring wells is essential for useful interpretation of raw laboratory results. Review of sampling procedures and QA/QC results may be used, for example, to evaluate the validity of an outlier (very high, low, or otherwise unexpected) data value.

6.3.1 Outliers

Outliers can be attributed to a number of conditions, including:

- Sampling errors or field contamination
- Analytical errors or laboratory contamination
- Recording or transcription errors
- Extreme, but accurately detected, environmental conditions (e.g., spills, migration from facility, etc.).

Gross outliers may be identified by informal scanning of the data. This exercise is facilitated by printouts of high and low values of the data. Formal statistical tests also are available for identification of outliers (Dunn and Clark, 1974) and EML has a software system that allows for their screening. When feasible, outliers are corrected (e.g., in the case of transcription errors) and documentation and validation of the reasons for outliers is performed (e.g., review of field blank, trip blank, QA duplicate sample results, and laboratory QA/QC data). Field and laboratory QA/QC results, as well as field and laboratory logs of procedures and environmental conditions are invaluable in assessing the validity of reported suspect concentration values. Outliers that reasonably can be shown not to reflect true or accurate environmental conditions will be so identified and evaluated accordingly, but will continue to be reported with data summaries.

6.3.2 Significant Digits

The number of significant digits reported by the laboratories reflects the precision of the analytical method used. Rounding of values is generally inappropriate, as it decreases the number of significant digits and alters the apparent precision of the measurements. Therefore, OSCO retains the number of significant digits in the transcription, evaluation, and compilation of data into secondary reports. Variation in the number of significant digits reported for a given analyte may be unavoidable if there is an order of magnitude change in the concentration of a chemical species from one round of sampling to the next, or if the precision of the analytical methodology differs from one round to the next.

6.3.3 Units of Measure

Units of measure are recorded for each parameter in the laboratory raw data reports. Special care is taken not to confuse ug/l measurements with mg/l measurements when compiling, transcribing, or reporting the data.

6.4 DATA EVALUATION AND PRESENTATION

At this time, it is not possible to specify the data evaluation methodology, because there are no site specific groundwater data. Once groundwater gradients and background analyte concentrations have been established, it will be possible to develop more fully the method to compare upgradient and downgradient groundwater data.

Groundwater monitoring data from the proposed well network will be evaluated by OSCO with the goal of determining upgradient (i.e., background) groundwater quality and whether or not groundwater contamination attributable to the site has occurred. Various data evaluation techniques may be required to make these judgments. In particular, the following analytical tools are available and will be used, as appropriate:

- Water typing by use of Stiff and Piper diagrams
- Development of groundwater elevation contours
- Development of groundwater contaminant isocontours
- Statistical comparisons of upgradient and downgradient groundwater quality, using methods such as those described in 40 CFR 264.97 regulations.

Analytical software either will be verified using standard test data or will be a package that is recognized by the technical community as providing mathematically correct results.

Computer software and graphics services may be used to generate tabular and graphical displays. Tabular displays will include descriptive titles, categorical headings, accurate unit descriptions, and raw or selected data sorted by category of interest. Graphical displays (e.g., site maps with sample locations, isopleth plots, bar graphs, line graphs, etc.) will contain the following information (at the minimum):

- Date
- Preparer
- Revision date/number

- Project number
- Title
- Figure number.

Maps will contain a bar scale, north arrow, and legend (if appropriate).

As stated previously, the specific data evaluation methodology will be chosen based upon the analytical results of a sufficient number of sampling events to develop a statistically valid methodology for comparing downgradient wells to upgradient wells.

6.5 REPORTING REQUIREMENTS

A description of the groundwater monitoring well installation activities and the results of the first three monthly sampling rounds will be presented in a final RFI report, which will be submitted to USEPA/Cal EPA within 30 days of receipt of the third round results from the analytical laboratory. Thereafter, quarterly summary reports will be submitted to the Agencies within 30 days of receipt of analytical results. The monthly/quarterly reports will contain the following information (at the minimum):

- Copies of laboratory reports, field information forms, and chain-of-custody forms
- Narrative and tabular summary of the analytical results to highlight groundwater conditions of interest and detected contaminants, if any
- Site map with well locations.

Optional report elements periodically will be generated, including:

- Drawings of groundwater contours
- Drawings of contaminant isocontours
- Historical trend graphs
- Statistical analyses
- Assessments based on local and/or regional groundwater data.

7.0 PROJECT MANAGEMENT PLAN

A Project Management Plan for Phase III of the RFI is presented in this section. The plan includes a description of the management approach, personnel, and schedule that will be in place during the construction of the groundwater monitoring wells and for the first three monthly sampling events. Thereafter, it is expected that OSCO will internalize routine sampling and reporting activities as part of the facility's overall environmental compliance program.

7.1 MANAGEMENT APPROACH

The overall management structure for Phase III activities is depicted on Figure 7-1. The CWM Project Manager ultimately is responsible for the timely completion of the project in accordance with this Groundwater Monitoring Plan. With the help of an Assistant Project Manager, the Project Manager will supervise the contractors who, in turn, will be responsible for work performed by subconsultants. The CWM Project Manager/Assistant Project Manager will track the progress of the Phase III RFI and will provide quarterly written progress reports to USEPA/Cal EPA in accordance with the OSCO facility's RCRA permit (Condition VI.3.A). The reports will itemize work accomplished in the reporting period, any problems encountered, and resolutions to current or past problems. Informal verbal reports and agency discussions also will be coordinated by the CWM Project Manager.

The CWM Project Manager/Assistant Project Manager also is responsible for keeping the OSCO Environmental Manager appraised of the progress of the work. The OSCO Environmental Manager ultimately will assume control of the monitoring program on a routine basis, using either in-house or contracted personnel, and must be aware of project activities as they evolve.

The Primary Environmental Consultant will be responsible for day-to-day investigation activities (e.g., well installation, initial groundwater sampling, etc.) and will generate the final RFI report. This contractor will coordinate activities directly with the CWM Project Manager/Assistant Project Manager and will manage the activities of necessary subcontractors, including the drilling and survey contractors.

In the absence of secured contracts, it is not possible to provide information regarding the contractors and subcontractors that will be selected to do the work. This information (e.g., statements of qualifications, license numbers, resumes for key individuals, etc.) will be provided to USEPA/Cal EPA once the contractors have been selected and prior to initiating work.

7.2 PERSONNEL

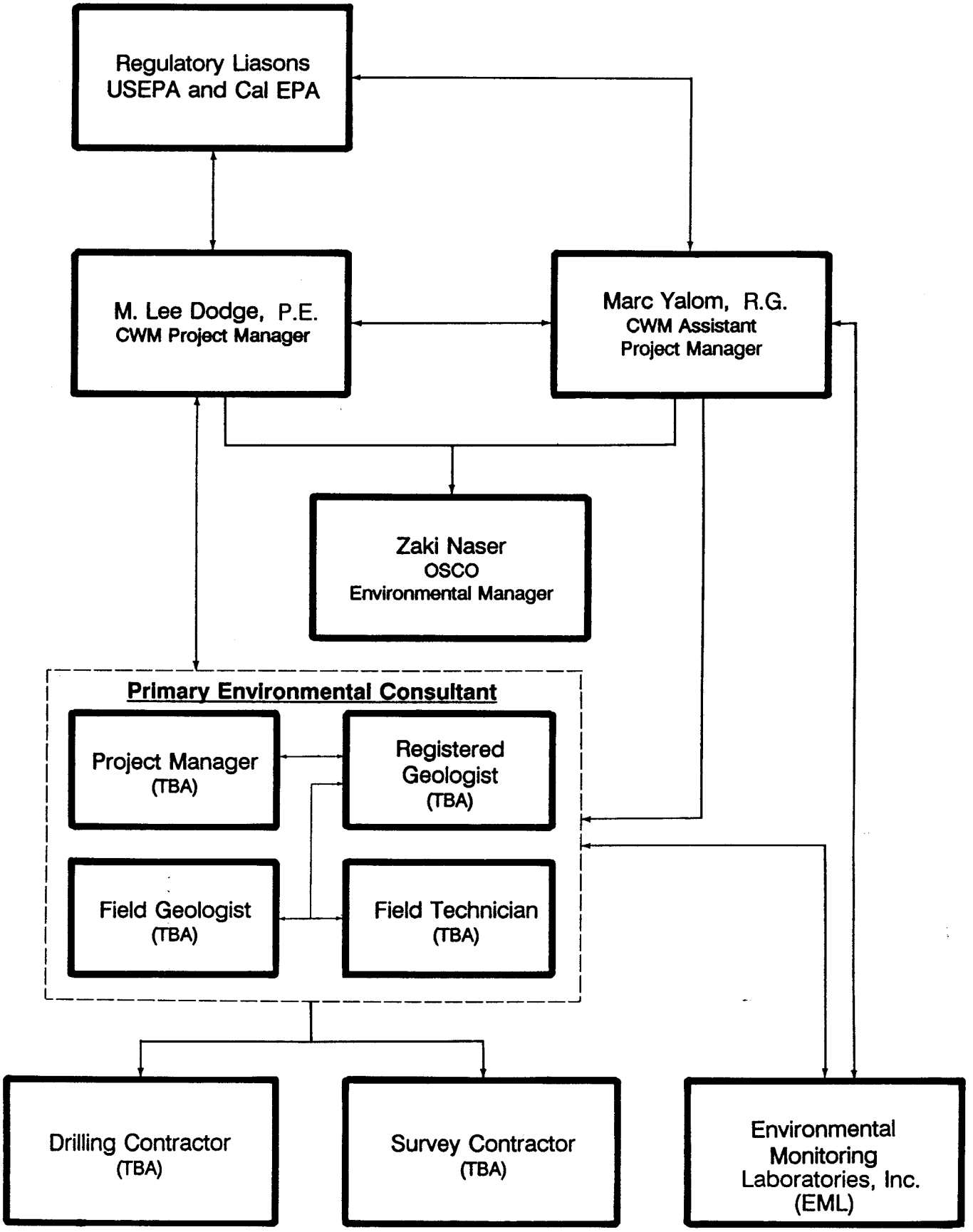
At the present time, personnel have been identified for three organizational positions:

- M. Lee Dodge, P.E. -- CWM Project Manager
- Marc Yalom, R.G. -- CWM Assistant Project Manager
- Zaki Naser -- OSCO Environmental Manager.

Professional resumes for each of these individuals are included in Appendix C hereto.

The technical personnel used by the Primary Environmental Consultant will include a Project Manager (for project management, administration, and report preparation), California-Registered Geologist (for field supervision, coordination, and report preparation/certification), Field Geologist (for day-to-day field

FIGURE 7-1
ORGANIZATION CHART FOR RFI PHASE III PROGRAM



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work and borehole logging), and Field Technician (for field assistance and sampling duties). Resumes for these individuals will be provided to USEPA/Cal EPA once a consultant has been selected.

7.3 SCHEDULE

A tentative schedule for proposed Phase III activities is presented in Section 1.6 herein.

8.0 SITE SAFETY AND HEALTH PLAN

The Site Safety and Health Plan that was in effect for the RFI Phase IIb Deep Soil Sampling Program has been updated/revised for Phase III of the investigation (see Appendix D hereto). The plan consists of a project-specific operational description (prepared by M/B&A) and a general plan that is provided by OSCO to all outside contractors working on-site. The Primary Environmental Consultant may elect to use its own Safety and Health Plan, which will be equivalent to the plan included herein. In this case, the plan that will be used will be forwarded to USEPA/Cal EPA for review and approval.

9.0 REFERENCES

California Department of Water Resources (DWR). 1966. Planned Utilization of Groundwater Basins, San Gabriel Valley, Bulletin 104-2, Appendix A: Geohydrology.

Dunn, Olive Jean and Clark, Virginia A. 1974. Applied Statistics: Analysis of Variance and Regression, John Wiley & Sons.

Jenkins, O.P. (ed.). 1967. Geologic Map of California, Los Angeles and San Bernardino Sheets, compiled by T.H. Rogers.

LeRoy Crandall and Associates. 1987. Water SWAT Report for the Azusa Land Reclamation Landfill, 30 June 1987.

Meredith/Boli & Associates, Inc. (M/B&A). 1991. Interim RFI Report: Phase IIb Deep Soil Sampling Program, OSCO Facility, Azusa, California (in preparation), Project No. MB-1990-211.

National Oceanic and Atmospheric Administration (NOAA), Climatological Data, California (monthly reports), April 1985 to March 1987.

Oakeshott, G.B. (ed.). 1975. San Fernando, California Earthquake of 9 February 1971, California Division of Mines and Geology Bulletin 196. 463 pp. with 5 plates.

Western Technologies, Inc. (WTI). 1990a. Phase 1-1A Soil Gas Investigation, OSCO Facility, Azusa, California. Project No. 219-9J-005, 19 January 1990.

WTI. 1990b. Phase II Shallow Soil Sampling Report, OSCO Facility, Azusa, California. Project No. 751-OK-714, 5 October 1990.

Yerkes, R.F., T.H. McCulloh, J.E. Schoellhamer, and J.G. Vedder. 1965. Geology of the Los Angeles Basin, California -- An Introduction, U.S. Geological Survey Professional Paper 420-A.

APPENDIX A

LETTER REQUESTING VARIANCES TO RCRA PERMIT GROUNDWATER MONITORING REQUIREMENTS

Chemical Waste Management, Inc.

4227 Technology Drive
Fremont, California 94538-6337
415/651-2964

September 23, 1991

Mr. Jeffrey Zelikson
Director
U.S. Environmental Protection Agency
Region IX
75 Hawthorne Street
Mail Code H-4-6
San Francisco, California 94105

Mr. Dennis Dickerson
Regional Administrator
California EPA, Department of Toxic Substances Control,
Region III
1405 North San Fernando Boulevard, Suite 300
Burbank, California 91504

Subject: Oil & Solvent Process Company (OSCO), Azusa, California
CAD 008302903 RCRA Facility Investigation (RFI)
Proposed Variances to the Groundwater Monitoring Plan

Gentlemen:

In accordance with RCRA Part B Permit Condition VI.6.E, Chemical Waste Management, Inc. (CWM) is preparing a Groundwater Monitoring Plan for the OSCO facility. The Groundwater Monitoring Plan will describe project management, well installation, well development, and groundwater sampling and analyses tasks.

Groundwater monitoring constitutes Phase III of the RFI. Permit specifications for Phase III were established prior to field investigations. Since that time, RFI Phases I (Shallow Soil Vapor Survey and Test Pits) and II (Deep Soil Sampling) have been completed.

Based on regional data and data obtained during the installation of nine Deep Soil Borings, OSCO/CWM requests variances to several specific procedures and methods in the Part B Permit Groundwater Monitoring Plan guidelines.

The forthcoming Groundwater Monitoring Plan will reflect the changes proposed herein. The proposed changes, or permit variances, are described in the remainder of this letter and summarized in Table 1.

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WELL LOCATIONS

The permit specified the locations of three groundwater monitoring wells at the facility: 1) in the southeast corner; 2) on the western boundary (Deep Soil Boring 3); and 3) immediately south of Distillation Unit 1 (Deep Soil Boring 2).

As originally envisioned, the groundwater monitoring wells were to be installed in three Deep Soil Borings. However, these, and/or six other deep borings used to investigate the vadose zone were completed as vapor sampling wells. Groundwater monitoring wells were then planned solely to investigate groundwater conditions.

CWM has reviewed 1985 through 1987 groundwater elevation data collected from Wells 1, 2, and 3 at the Azusa Western Landfill. Wells 1, 2 and 3 are located approximately 2,000 feet southeast, 3,000 feet southeast, and 1,500 feet northeast, respectively, of the OSCO facility (Drawing 1). The screened intervals of these wells are similar to those anticipated at the OSCO facility.

Analysis of monthly groundwater elevation data reveals a range of flow directions between west-southwest and south-southeast. The predominant gradient directions are west-southwest and southwest and occur during the drier months of the year. During wet months, the flow in the San Gabriel River and retention in the Santa Fe Flood Control Basin contribute a southerly component to groundwater flow direction.

CWM's well placement strategy is to determine the groundwater quality entering and leaving the OSCO facility boundaries. Existing local and regional data indicate that groundwater quality is potentially degraded by operations at nearby facilities. Twenty facilities, many in the upgradient direction, are being investigated by the Regional Water Quality Control Board (RWQCB) (Drawing 2). OSCO facility upgradient wells will determine if neighboring facilities have degraded groundwater before it flows beneath the OSCO facility. OSCO facility downgradient wells will determine if OSCO operations have affected groundwater quality.

Proposed well locations are shown in Drawing 3. Wells 1 and 2 are upgradient wells. Well 1 will be located near the main entrance of the facility, at the northern property boundary.

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Well 2 will be located east of the operational portion of the OSCO facility. Wells 3 and 4 will serve as downgradient monitoring points, located on the western and southwestern property boundary.

DRILLING TECHNIQUE

The permit specified installation of groundwater monitoring wells using dual wall reverse air circulation with down-hole percussion hammer. This method, among others, was used to install the Phase II Deep Soil Borings at the OSCO facility. This method did not extend beyond 197-feet below ground surface (bgs).

CWM proposes mud rotary drilling to install the monitoring wells. Drilling mud will provide fluid viscosity capable of lifting cuttings from the borehole. Mud cake buildup on the boring walls will maintain borehole integrity without the need for driven conductor casing.

WELL CONSTRUCTION

The permit specified monitoring wells constructed of 8-inch diameter mild steel casing, and 304 stainless steel screen.

CWM proposes using 4 inch diameter, flush threaded, mild steel casing and stainless steel screen.

The change in casing diameter will reduce installation and material costs, and lessen the volume of drill cutting and development/purge water waste. Groundwater sample quality will not be degraded.

ANNULAR SEAL

The permit specified a 5-foot bentonite seal above the gravel pack. The annular space above the bentonite seal was specified as a 90% cement/10% bentonite grout mix.

CWM proposes to use a grout mix of 97% cement/3% bentonite. This mixture is consistent with California Department of Water Resources Well Standards.

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PUMP INSTALLATION AND WELL HEAD COMPLETION

The permit required that after development, a submersible pump be installed temporarily in each well. Specific capacity tests were to be conducted, with the results used to plan aquifer tests and determine the size and type of dedicated sampling pumps. Specifications were proposed for pump hardware.

CWM proposes to eliminate testing for specific capacity and sampling pump determination. CWM will install positive displacement, dedicated pumps to produce quality water samples. Anticipated well yields for selecting pumps are discussed in the following section. Water level responses measured during development will be used to select purge/sample pumps. Dedicated water level measurement devices will be installed.

AQUIFER TESTING

The permit specified that aquifer tests be conducted after installation and development of the monitoring wells. Measurement of drawdown in wells potentially influenced by pumping was prescribed. Appropriate testing and analyses were to determine hydraulic conductivity and storativity, and verify that the wells would produce adequate water flow for sampling.

Hydraulic conductivity values in San Gabriel Basin were presented in CH2M Hill, 1986 (Attachment 1). By order of magnitude, referenced values ranged from 10^1 to 10^2 feet/day in 16 aquifer tests conducted by the California Department of Water Resources. Another regional study cited by CH2M Hill consisted 54 specific capacity
tests. The range of hydraulic conductivity values of the specific capacity tests ranged from 10^1 to 10^2 feet/day. Estimates of hydraulic conductivity based on lithologic logs were prepared by CH2M Hill. Values of 270 feet/day for gravel and 135 feet/day for sand and gravel aquifers were estimated. These are the predominant lithologies observed beneath the OSCO facility during installation of the Deep Soil Borings.

Groundwater Well Drillers Reports and development pumping and drawdown data (Attachment 2) from Azusa Western Landfill Wells 1, 2, and 3 were presented in a consultant's report (LeRoy Crandall and Associates, 1986). The well logs described

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boulders, cobbles, gravel and sand as the dominant lithology. Minor thicknesses of clay (less than 5 feet) were reported in Well 1.

Water was extracted at rates of 110 to 120 gallons per minute from each landfill well during development. Water level drawdowns were not observed in any well during development pumping.

The proximity and similar lithology of OSCO Deep Soil Borings and landfill wells strongly suggest that OSCO groundwater wells will be screened in aquifer material with similar hydrogeologic properties and capable of yielding adequate flow for groundwater samples.

The permit specified aquifer tests for each well would require 24-hours of pumping in excess of 100-gallons per minute. This would yield a minimum of 144,000 gallons of water requiring disposal. The test results are not likely to yield conductivity results significantly different than those described above.

CWM contends that groundwater well boring lithology will not differ sharply from that recorded in the deep soil borings and at other wells in the vicinity. No benefit would be derived by performing aquifer tests. Therefore, CWM proposes the elimination of aquifer testing.

WATER LEVEL MONITORING

The permit specified measurement of twelve wells within one mile of the OSCO facility. The specific wells were not indicated.

CWM proposes review RWQCB files to locate wells within one mile from the OSCO facility, with screened intervals similar to those planned at OSCO (approximately 300 to 350 feet bgs). After OSCO facility wells are installed, CWM will attempt to access up to twelve of these wells to measure water levels.

SAMPLING WHILE DRILLING

The permit specified soil sampling at specific depths during monitoring well installation at OSCO facility "hot spots". These "hot spot" borings were completed as Deep Soil

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Borings, not monitoring wells. Having investigated the vadose zone, groundwater monitoring wells do not need to function as subsurface investigation borings and can be sited exclusively to accommodated groundwater monitoring needs.

CWM proposes elimination of soil sampling for chemical analyses during well installation. Proposed well locations are either near Deep Soil Boring sites or at sites with no suspect surface releases. Furthermore, it is questionable whether undisturbed, representative soil samples can be collected effectively with the proposed drilling method (i.e. mud rotary) needed to complete the monitoring wells.

SAMPLING DURING AQUIFER TESTING

The permit specified collection of groundwater samples during aquifer tests and analyses for Volatile Organic Compounds (VOCs).

CWM's proposal for eliminating aquifer testing is described above. If aquifer testing is ultimately required by the agencies, groundwater samples would be collected from water discharged by submersible pumps at rates potentially in excess of 100-gallons per minute. Cavitation and agitation during pumping will severely degrade sample quality, particularly for VOC analyses. Furthermore, the significance of time series sampling is questionable.

CWM proposes the elimination of sampling during aquifer testing.

SUMMARY

The proposed variances are founded on knowledge and experience realized during Phase I and II RFI activities, and other evidence that characterizes the aquifer beneath the OSCO facility. The improved understanding of subsurface conditions makes us confident that our proposals are reasonable, appropriate, and based on sound engineering principles.

CWM is preparing the Groundwater Monitoring Plan, and committed to the October 14, 1991 delivery date to the agencies. To maintain that schedule, we request your earliest review and comment.

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We certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on our inquiry of the person or persons who manage the system or those directly responsible for gathering information, the information submitted is to the best of our knowledge and belief, true, accurate, and complete. We are aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please contact us at (510) 651-2964.

Sincerely,

CHEMICAL WASTE MANAGEMENT, INC.

for

M. Lee Dodge, P.E.
Project Manager

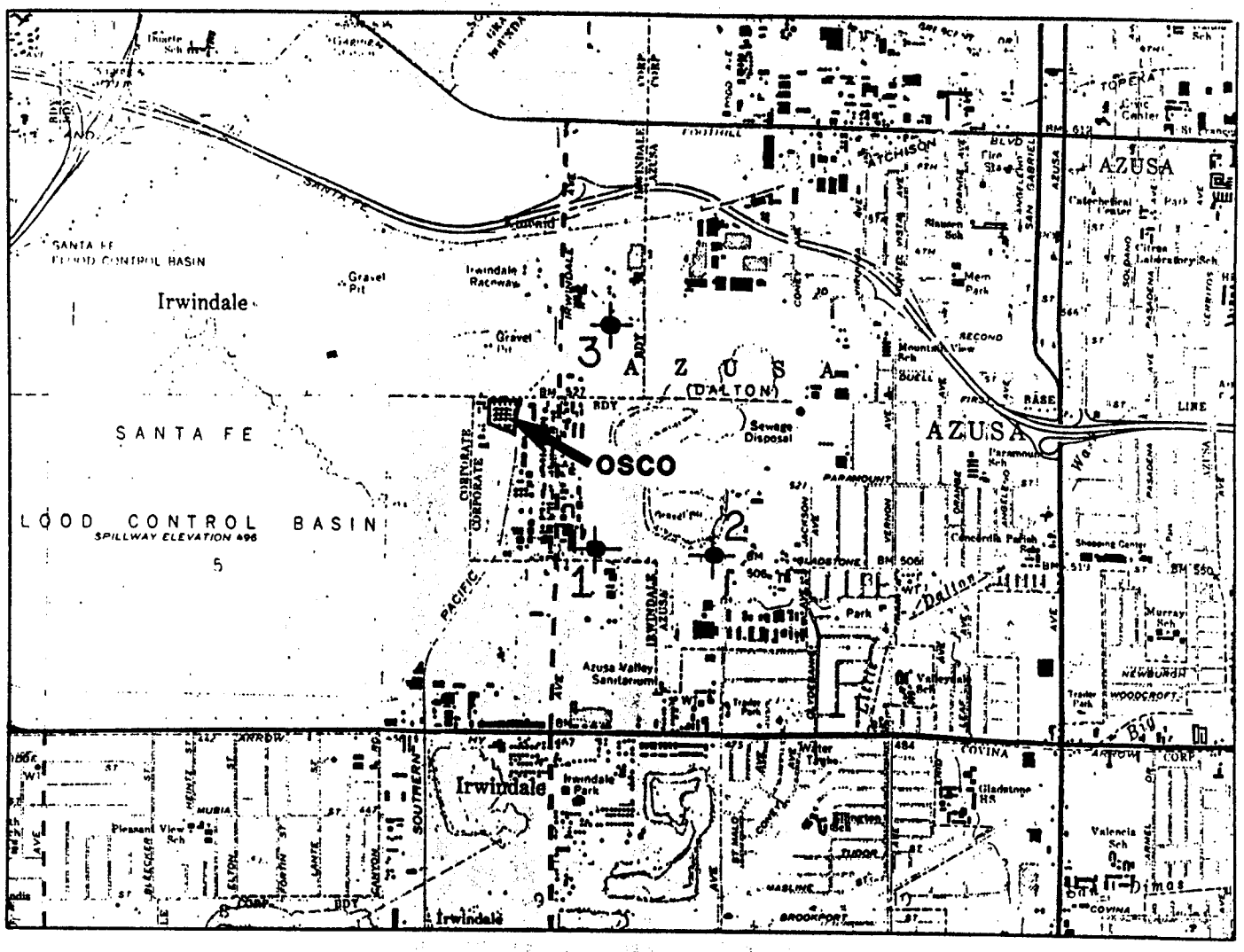
Marc Yalom, R.G.
Regional Hydrogeologist

MIY/lmc

Enclosures:
Drawings (3)
Attachments (2)

cc: Ron Cavagrotti, Meredith/Boli & Assoc.
Michael Cloud, Meredith/Boli & Assoc.
Richard Gurske, CWM
Joseph Pizzutto, CWM
Sunita Sharma, OSCO/Azusa
Terry Virnig, CWM
File # 05-330.06

Printed on recycled paper



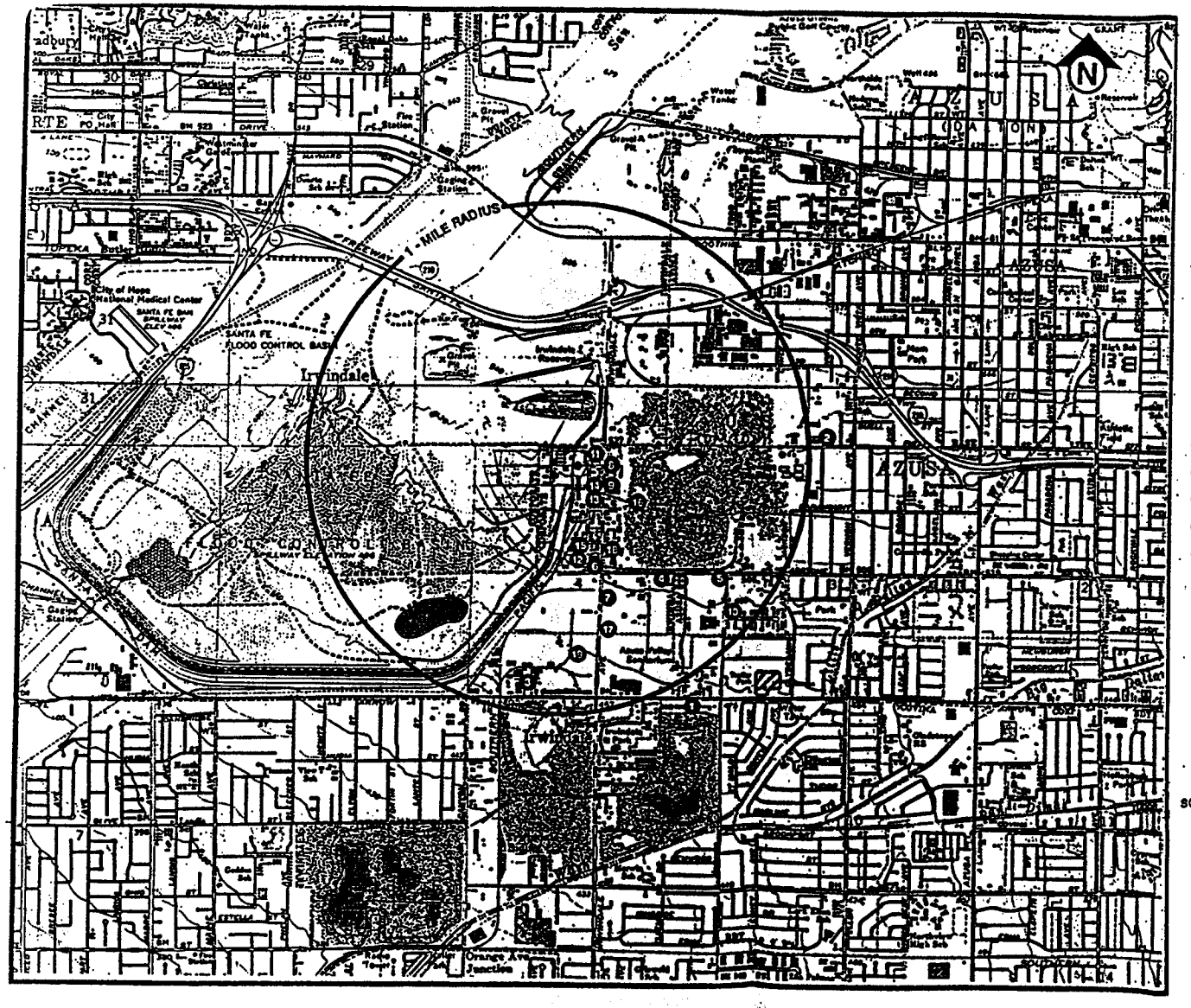
SCALE

0 (FEET) 5000

N

DRAWING 1

AZUSA WESTERN LANDFILL WELL LOCATIONS



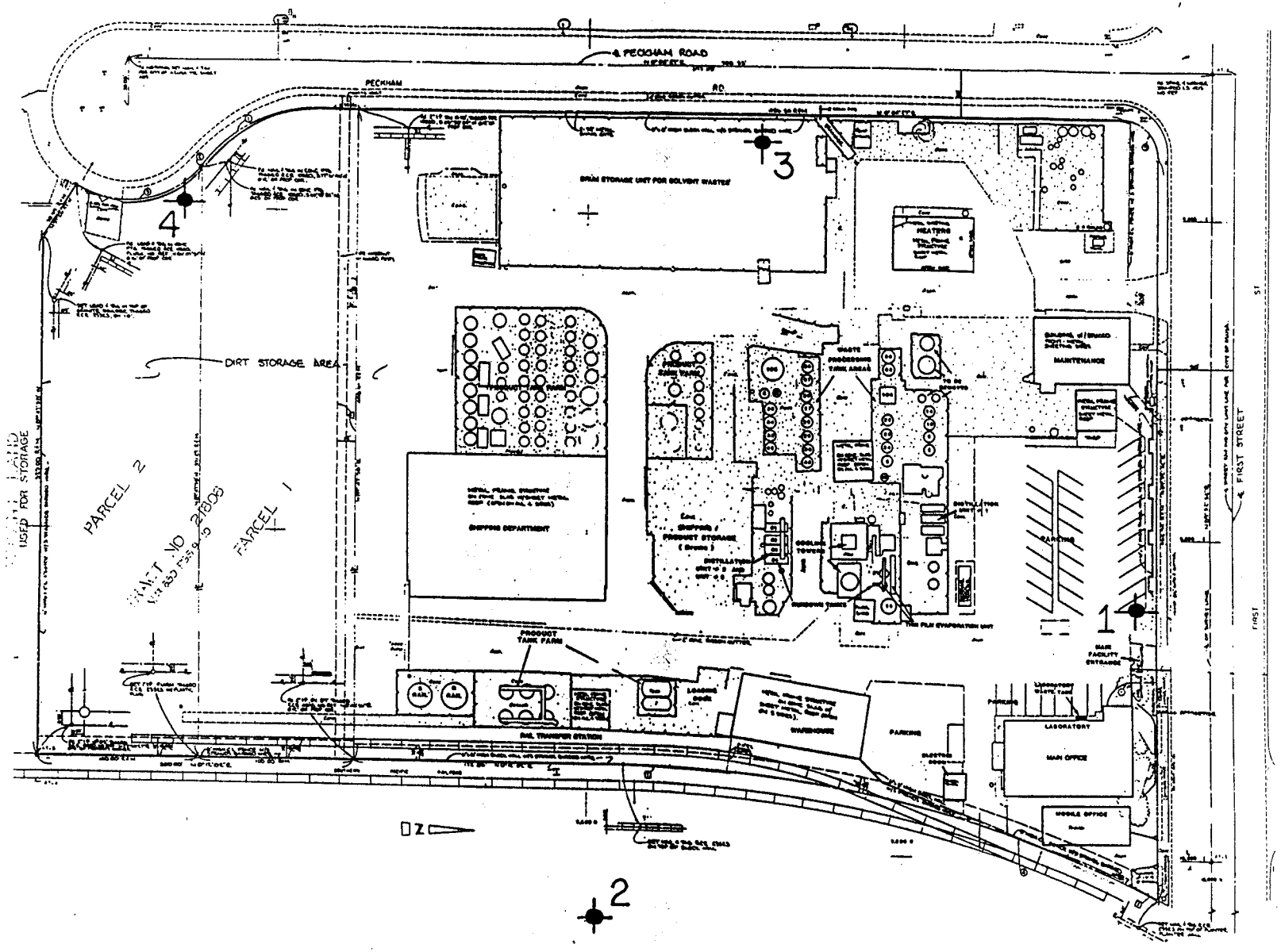
1. Rite-On Screw Products, Inc.
2. Screwmatic, Inc.
3. Specialty Organics, Inc.
4. Alpha Enterprises
5. Transit Mixed Concrete Co.
6. Davis Walker Corp.
7. TRW Technar, Inc.
8. Industrial Transmission & Machinery
9. RPM-Merit, Inc.
10. Textone, Inc.
11. Azusa Salvage
12. Clemar Manufacturing Corp.
13. Reichhold Chemicals, Inc.
14. Noram Corp.
15. The Norac Co.
16. Sanwa Bank
17. Fey Manufacturing Co., Inc.
18. Metro Steel Building, Inc.
19. J&N Plastic Products Corp.
20. Pacific Precision Metals

BASE MAP: U.S. Geologic Survey 7.5 Minute Series
Baldwin Park, CA Quadrangle
1966, photorevised 1988.

SCALE 0 1/2 1 MILE

DRAWING 2

AZUSA FACILITIES UNDER REGIONAL BOARD INVESTIGATION



DRAWING 3

OSCO FACILITY PROPOSED WELL LOCATIONS

TABLE 1

SUMMARY OF REQUESTED VARIANCES

Permit Section	Activity/ Application	Permit Requirement	Requested Variation
		----- PERMIT PART VI -----	
6.E.a.i	Number of Wells	Three	Four
	Location Wells	(See Permit Drawing)	(See Drawing 3)
		----- PERMIT ATTACHMENT D -----	
E.1.a	Drilling Technique	Dual Tube Reverse Air Circulation/ Percussion Hammer	Mud Rotary
E.1.b	Well Construction	8" Diameter Steel Casing	4-5" Diameter Steel Casing
	Annular Seal	90% Cement/ 10% Bentonite	97% Cement/ 3% Bentonite
E.1.d	Pump Installation/ Well Head Completion	Specific Yield Tests	Omit Specific Yield Tests
		Specified Sampling Equipment	Appropriate Sampling Equipment
E.2	Aquifer Testing	Perform Aquifer Tests	Omit Aquifer Tests
E.3.a	Water Level Monitoring	Monitor 12 Nearby Wells	Monitor Maximum 12 Nearby Wells of Similar Screen Interval
E.3.b	Sampling While Drilling	Collect/ Analyze Soil Samples	Omit Soil Sample Collection/ Analyses
E.3.c	Sampling During Aquifer Testing	Collect/ Analyze Groundwater Samples	Omit Groundwater Sample Collection/ Analyses

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ATTACHMENT 1
REFERENCES

LeRoy Crandall and Associates, 1986. Proposed monitoring program for solid waste water quality assessment test (SWAT proposal), Azusa Land Reclamation Landfill, Azusa, California, for the Azusa Land Reclamation Company, dated June 27, 1986.

CH2M Hill, 1988. Draft San Gabriel supplemental sampling plan report, San Gabriel Basin, Los Angeles, California. Document WA 105.9L27.1, dated May 19, 1986.

Printed on recycled paper

ATTACHMENT 2
WELL DRILLERS REPORTS
AND
PUMP/DRAWDOWN DATA

AZUSA WESTERN LANDFILL

Printed on recycled paper

RIGINAL

File with DWR

Use of Intent No. Customer

Local Permit No. or Date Customer

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in

No. 127498

State Well No.

Other Well No.

) OWNER: Name Azusa Western Landfill
Address 1201 W. Gladstone
City Azusa, CA 91702 Zip

) LOCATION OF WELL (See instructions):
County Los Angeles ? Owner's Well Number #1
Well address if different from above
Township Range Section
Distance from cities, roads, railroads, fences, etc.

WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☐
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other Monitoring ☒

EQUIPMENT:
Rotary ☒ Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐

(8) GRAVEL PACK:
Yes ☒ No ☐ Size Bridgeye
Diameter of bore 12¼
Packed from 50 ft. to 350 ft.

CASING INSTALLED:
Steel ☒ Plastic ☐ Concrete ☐

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gauge or Wall	From ft.	To ft.	Slot size
0	145	8 5/8	3/16	145	350	.040 x 2

) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 50 ft.
Was water strata sealed against pollution? Yes ☒ No ☐ Interval 140-130 ft.
Kind of material Gel pellets

(10) WATER LEVELS:
Depth of first water, if known ft.
Static level after well completion ft.

) WELL TESTS:
Was a well test made? Yes ☐ No ☐ If yes, by whom?
Type of test Pump ☐ Bailer ☐ Air lift ☐
Depth to water at start of test ft. At end of test ft.
Discharge gal/min after hours Water temperature
Chemical analysis made? Yes ☐ No ☐ If yes, by whom?
Was electric log made? Yes ☐ No ☐ If yes, attach copy to this report

(12) WELL LOG: Total depth ft. Depth of completed well ft.

from ft.	to ft.	Formation (Describe by color, character, size of material)
0	327	Boulders, cobbles, sand & gravel.
XXXX	XXX	
327	329	Brown clay
329	332	Med sand with 20% clay.
332	350	Boulders, cobbles, sand & gravel.

Work started 7-2 19 84 Completed 7-13 1984

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Signed Norman V. Howard (Well Driller)
NAME Howard Pump, Inc. (Person, firm, or corporation) (Typed or printed)
Address 28753 W. Hwy 58
City Barstow, CA Zip 92311
License No. 281814 Date of this report 7-16-84

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

HOWARD PUMP, INC.
TEST PUMP DATA

NAME Azusa Western Landfill WELL DESIGNATION/LOCATION Gladstone #1 STATIC WATER LEVEL 231.6

ADDRESS 1201 W. Gladstone WELL DIAMETER 8" AIRLINE 294'

Azusa, California 91702 WELL DEPTH 353.7 PUMP SETTING 300'

LENGTH OF TEST IN HOURS 8 TEST _____ SHEET ____ OF ____

DATE/ TIME 8-1-84	SPECIFIC CAPACITY	DISCHARGE RATE	DRAWDOWN	PUMPING LEVEL	SAND CONTENT	REMARKS
2:30		40	0	231.6		Surged, didn't get dirty no sand visible.
2:40		40	0	231		Surged, didn't get dirty, not smelly.
2:45		40	0	231.6		Surged, didn't get dirty, no oil sheen visible.
3:00		40	0	231.6		Surged.
3:15		40	0	231.6		
3:30		120	0	231.6		Raised volt to 280/amps to 36/GPM to 120.
3:45		120	0	231.6		Surged, no change in water clarity, no sand or smell.
4:00		120	0	231.6		
4:15		120	0	231.6		
4:30		120	0	231.6		Surged, no change.
4:45		120	0	231.6		
5:00		120	0	231.6		Sopped for the day.
8-2-84						
7:30		120	0	231.6		
7:45		120	0	231.6		Surged it twice, got dirty for a second then cleared.
8:00		120		231.6		No sand visible.
8:15		120		231.6		Everything running smoothly, no change.
8:30		120		231.6		No change.
8:45		120		231.6		Still no change.
9:00		120		231.6		Surged it once, water stayed clear, no sand.
9:15		120		231.6		No change.

"WAP" "JMP, "C.
TEST PUMP DATA

NAME Azusa Western Landfill WELL DESIGNATION/LOCATION Gladstone #1 STATIC WATER LEVEL 231.6

ADDRESS 1201 W. Gladstone WELL DIAMETER 8" AIRLINE 294'

Azusa, California 91702 WELL DEPTH 353.7 PUMP SETTING 300'

LENGTH OF TEST IN HOURS 8 TEST SHEET OF

DATE/ TIME 8-2-84	SPECIFIC CAPACITY	DISCHARGE RATE	DRAWDOWN	PUMPING LEVEL	SAND CONTENT	REMARKS
9:30		120		231.6		No change, no odor.
9:45		120		231.6		No change, took water sample, nothing visible.
10:00		120		231.6		Surged, clear water, no sand, tastes terrible.
10:15		120		231.6		No change.
10:30		120		231.6		Surged for Joan, no change.
10:45		120		231.6		Same, no sand visible.
11:00		120		231.6		Nothing changes ever.
11:15		120		231.6		Same.
11:30		120		231.6		Surged, water remained clear.
11:45		120		231.6		No change.
12:00		120		231.6		No change.
12:15		120		231.6		No change.
12:30		120		231.6		No chagne.
12:45		120		231.6		Surged, water remained clear.
1:00		120		231.6		Stopped test.

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in
No. 158055

State Well No.
Other Well No.

Use of Intent No. Customer
Local Permit No. or Date Customer

(1) OWNER: Name Azusa Western Landfill
Address 1201 W. Gladstone
City Azusa, CA 91702 Zip

(2) LOCATION OF WELL (See instructions):
County Los Angeles, Owner's Well Number #2
Well address if different from above
Township Range Section
Distance from cities, roads, railroads, fences, etc.

WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 13)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☐
Industrial ☐
Test Well ☒
Stock ☐
Municipal ☐
Other ☐

(5) EQUIPMENT:
Rotary ☒ Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☒ No ☐ Size Birdseye
Diameter of bore XXXX 12¼"
Packed from 50 to 350 ft.

(7) CASING INSTALLED:
Steel ☒ Plastic ☐ Concrete ☐

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	145	8 5/8		145	350	

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 50 ft.
Were strata sealed against pollution? Yes ☒ No ☐ Interval 145 ft.
Method of sealing Extra gel seal

(10) WATER LEVELS:
Depth of first water, if known ft.
Standing level after well completion ft.

(11) WELL TESTS:
Was well test made? Yes ☐ No ☐ If yes, by whom?
Type of test Pump ☐ Bailer ☐ Air lift ☐
Depth to water at start of test ft. At end of test ft.
Discharge gal/min after hours Water temperature
Chemical analysis made? Yes ☐ No ☐ If yes, by whom?
Was electric log made? Yes ☐ No ☐ If yes, attach copy to this report

(12) WELL LOG: Total depth ft. Depth of completed well ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	350	Boulders, cobbles, gravel and sand.

Work started 19 Completed 19

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Signed Norman V. Howard (Well Driller)
NAME Howard Pump, Inc. (Person, firm, or corporation) (Typed or printed)
Address 28753 W. Hwy 58
City Barstow, CA Zip 92311
License No. 281814 Date of this report 8-10-84

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

HOWARD PUMP, INC.
TEST PUMP DATA

NAME Azusa Western Landfill WELL DESIGNATION/LOCATION Gladstone ~~#1~~ 2 STATIC WATER LEVEL 252.42

ADDRESS 1201 W. Gladstone WELL DIAMETER 8" AIRLINE 294'

Azusa, California 91702 WELL DEPTH PUMP SETTING 300'

LENGTH OF TEST IN HOURS TEST SHEET OF

DATE/ TIME 8-13-84	SPECIFIC CAPACITY	DISCHARGE RATE	DRAWDOWN	PUMPING LEVEL	SAND CONTENT	REMARKS
9:00		110		252.42		Greenish water.
9:15		110		252.42		400' of 6" pipe to get to hole for discharge.
9:30		110		252.42		Cleaning up very well, slight sand.
10:00		110		252.42		No draw down, 110 GPM.
10:30		110		252.42		Water clearing.
11:00		110		252.42	None	Crystal clear discharge.
11:30		110		252.42		Engine running fine.
12:00		110		252.42		Filled hole dug for discharge, dug second hole.
12:30		110		252.42		
1:00		110		252.42	None	Crystal clear discharge.
1:30		110		252.42		
2:00		110		252.42		110 gallon per minute, no draw down.
2:30		110		252.42		
3:00		110		252.42		Clear discharge.
3:30		110		252.42	None	
4:00		110		252.42		110 GPM.
4:30		110		252.42		Engine running fine.
5:00		110		252.42		

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in
No. 158054

State Well No.
Other Well No.

Date of Intent No. Customer
Local Permit No. or Date Customer

(1) OWNER: Name Azusa Western Landfill
Address 1201 W. Gladstone
City Azusa, CA 91702 Zip

(2) LOCATION OF WELL (See instructions):
County Los Angeles Owner's Well Number #3
Well address if different from above
Township Range Section
Distance from cities, roads, railroads, fences, etc.

WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well [X] Deepening [ ]
Reconstruction [ ]
Reconditioning [ ]
Monitoring Well [ ]
Destruction [ ] (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic [ ]
Irrigation [ ]
Industrial [ ]
Test Well [X]
Stock [ ]
Municipal [ ]
Other [ ]

(5) EQUIPMENT:
Rotary [X] Reverse [ ]
Cable [ ] Air [ ]
Other [ ] Bucket [ ]

(6) GRAVEL PACK:
Yes [X] No [ ] Size Birdseye
Diameter of bore 12¼
Packed from 50 to 385 ft.

(7) CASING INSTALLED:
Steel [X] Plastic [ ] Concrete [ ]

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	180	8 5/8		180	385	.040x2½'

(9) WELL SEAL:
Was surface sanitary seal provided? Yes [X] No [ ] If yes, to depth 50 ft.
Was water strata sealed against pollution? Yes [X] No [ ] Interval 180 ft.
Method of sealing extra gal seal

(10) WATER LEVELS:
Depth of first water, if known ft.
Static level after well completion ft.

(11) WELL TESTS:
Was a well test made? Yes [ ] No [ ] If yes, by whom?
Type of test Pump [ ] Bailer [ ] Air lift [ ]
Depth to water at start of test ft. At end of test ft.
Discharge gal/min after hours Water temperature
Chemical analysis made? Yes [ ] No [ ] If yes, by whom?
Was electric log made? Yes [ ] No [ ] If yes, attach copy to this report

(12) WELL LOG: Total depth ft. Depth of completed well ft.

from ft.	to ft.	Formation (Describe by color, character, size of material)
0	385	Boulders, cobbles, sand & gravel.

Work started 19 Completed 19

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Signed Norman V. Howard (Well Driller)
Name Howard Pump, Inc. (Person, firm, or corporation) (Typed or printed)
Address 28753 W. Hwy 58
City Barstow, CA Zip 92311
License No. 281814 Date of this report 8-10-84

WR 188 (REV 7-74) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

HOWARD PUMP, INC.
TEST PUMP DATA

NAME Azusa Western Landfill WELL DESIGNATION/LOCATION Gladstone #2 STATIC WATER LEVEL 275.5

ADDRESS 1201 W. Gladstone WELL DIAMETER 8" AIRLINE 294'

Azusa, California 91702 WELL DEPTH 375' PUMP SETTING 300'

LENGTH OF TEST IN HOURS 8 TEST SHEET OF

DATE/ TIME	SPECIFIC CAPACITY	DISCHARGE RATE	DRAWDOWN	PUMPING LEVEL	SAND CONTENT	REMARKS
8-2-84						
4:00		110		275.5	Sm. Amt.	Dirty brown discharge.
4:15		110		275.5		Starting to clear up.
4:30		110		275.5		Surged, dirty, cleared up in 10 minutes.
4:45		110		275.5	Sm. Amt.	Surged, dirty, cleared up in 10 minutes.
5:00		110		275.5		Shut down.
8-3-84						
7:00		110		275.5		Discharge slightly dirty, cleared up in 5 minutes.
7:15		110		275.5		Surged slightly dirty, cleared up quick.
7:30		110		275.5	Hardly/any	Surged, very slightly dirty, cleared up in 1 minute very little sand.
7:45		110		275.5		Surged, slight discoloration for 30 seconds.
8:00		110		275.5		Surged, saw no change except cloudy from air.
8:30		110		275.5		Surged.
9:00		110		275.5		Surged, discolored for a second.
9:30		110		275.5		Surged, discolored for a second.
10:00		110		275.5		Surged, clear continually.
10:30		110		275.5		Surged, staying clear, no sand.
11:00		110		275.5		No draw down.
11:30		110		275.5		
12:00		110		275.5		Engine running good, volts 280/amps 35.
12:30		110		275.5		

HOWARD PUMP, INC.
TEST PUMP DATA

NAME Azusa Western Landfill

WELL DESIGNATION/LOCATION Gladstone ~~#2~~ 3

STATIC WATER LEVEL 275.5

ADDRESS 1201 W. Gladstone

WELL DIAMETER 8"

AIRLINE 294'

Azusa, California 91702

WELL DEPTH 375'

PUMP SETTING 300'

LENGTH OF TEST IN HOURS 8

TEST

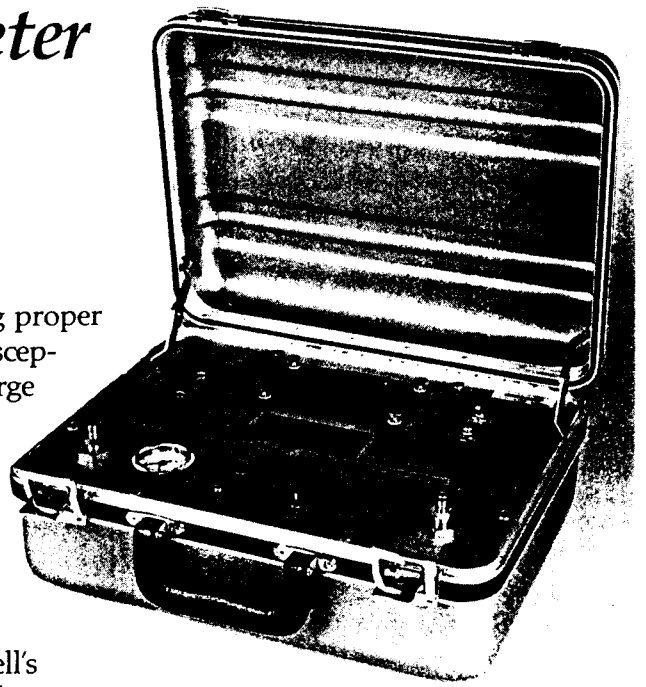
SHEET ____ OF ____

DATE/ TIME 8-13-84	SPECIFIC CAPACITY	DISCHARGE RATE	DRAWDOWN	PUMPING LEVEL	SAND CONTENT	REMARKS
1:00		110		275.5		
1:30		110		275.5		No sand, discharge crystal clear.
2:00		110		275.5		No smell, no sheen on top of water, no draw down.
						End Test.

APPENDIX B

MANUFACTURER'S DATA FOR WATER LEVEL MONITORING EQUIPMENT

Electronic Water Level Meter



Dedicated probes and portable electronic meter provide faster, more precise measurement.

A NEW LEVEL OF ACCURACY AND EFFICIENCY

Water level measuring with portable tapes is limited: needing proper cleaning between wells, dependent on individual technique, susceptible to damage and hang-up, and time-consuming to use on large projects. Now, the Well Wizard 6010E Electronic Water Level Meter establishes the new standard for accuracy and ease of use under field conditions. Levels are read directly from the digital LCD display—no judgment calls, variations from differing techniques, or danger of cross-well contamination.

HOW IT WORKS

Compressed air stored within the meter is applied to each well's low-cost *dedicated* bubbler probe via a quick-connect fitting. The portable meter reads the back pressure needed to push water out of the probe, using sophisticated microprocessor-based circuitry, advanced software, and a rugged, high-stability aerospace transducer to deliver water level readings that are *truly* accurate to ±.01 ft.—not just "display accuracy."

The digital read-out shows (to within .01 ft.) the depth of water above the probe end. Subtract that from total probe depth (set at installation) to get the water level. And the 6010E delivers its ±.01 ft. accuracy over a full 25 foot range of water level fluctuation.

MANY BENEFITS SET THE 6010E APART

Compact, precise, and field-tested, the 6010E makes your work faster, easier, and more consistent. Built-in features for ease of operation include preprogrammed warm-up, auto-zero, operational prompting, and low battery warning. A precision calibration stand is also available. The low-cost probes come in two models, with options in materials, connector materials, and lengths.

VERSATILE AND SAFE, TOO!

No Electricity Downwell, No Hazardous Exposure

Use your imagination in applying the 6010E to measure liquid levels in hard-to-reach and hazardous locations—anywhere you can run small probe tubing. Drains, slant wells, trenches, and tanks are no problem with the 6010E.

The 6010E is safe to operate where flammable liquids or gases create a danger. Pneumatics do the downwell work—no electricity is applied to the probe. And there's no exposure to hazardous liquids or cleaning solutions as there is with portable tape meters.

Ideal For Landfill Applications

The 6010E can solve problems at landfills where leachate and condensate levels must be measured. Leachate is hazardous, corrosive, and often difficult to access with portable probes. Condensate in gas venting wells is found under highly dangerous explosive conditions. Both can be measured with safe dedicated probes and the convenient, portable 6010E meter.

METER SPECIFICATIONS:

MODEL NO.	SIZE (inches)	POWER SOURCE	MAX. PRESSURE (PSI)	MAX. SUBMERGENCE (feet)	WEIGHT (lbs)
6010E	15 x 12 x 6.5	8 AA Batteries	100*	25	13

Internal air charge; compatible with any Well Wizard controller/air source.

PROBE SPECIFICATIONS:

MODEL NO.	MATERIAL	O.D. (inches)	I.D. (inches)	LENGTH (inches)	CONNECTOR MATERIAL
6111	316 S.S.	0.54	0.354	13.04	316 S.S.
6120	Teflon	0.54	0.270	61.40	Teflon

Probe and probe tubing must be ordered separately for each well.

ACCESSORIES:

MODEL NO.	DESCRIPTION
6015	Calibration Assembly
6205	Probe Tubing, Polyethylene
6225	Probe Tubing, Teflon

A Versatile New Method of Water Level Measurement for Improved Precision, Speed, and Well Integrity

Bradley R. Peake and David Mioduszewski, P.E.

QED Environmental Systems Inc.
Ann Arbor, Michigan

ABSTRACT

Water level measurement methods should keep pace with the sophistication of sampling and analytical methods being used in ground water programs. Traditional methods of water level measurement may not always be capable of providing results that meet current overall level detection requirements. A new digital dedicated water level system has been developed for improved precision under field conditions. In a controlled system test, the new system was compared to three of the more common portable tape methods, and produced the most consistent results, regardless if the method used. The testing showed that careful consideration must be given to training, supervision, and quality control in water level monitoring. The testing also raised the questions of what accuracy standards are likely to be realistically attainable.

INTRODUCTION AND BACKGROUND

Water level measurement is a fundamental component of almost all ground water monitoring programs, normally performed before every purging and sampling event. These measurements provide important insight into a site's hydrogeological characteristics, and how they may be changing due to natural or man-induced causes. Most commonly, the water level data from a set of wells can be used to define the direction of ground water flow across a site.

A number of different ground water level measurement methods and devices are available and commonly employed. Most of these methods arose from traditional water supply well applications, and not from the current era's RCRA, Superfund and state and local programs aimed specifically at ground water quality protection and improvement. This is not to say that traditional water level measurement methods are inadequate for today's needs, but that neither should they be adopted uncritically. Likewise, new

methods of water level measurement should be fairly scrutinized according to today's needs.

The purpose of this paper is two fold:

1. To examine existing standards and methods of ground water level measurement in light of the new challenges they face.

2. To describe a new water level measurement system that applies an old operating principle in an updated form.

Ground water monitoring is presenting new technical, regulatory and legal challenges on a regular basis. The accuracy and lower limits of detection of water quality analysis methods are well-established in the part per billion range; improvements in analytical devices and methods and quality control procedures are on-going to improve the data quality even further. The sophistication of sampling devices and procedures is also undergoing change to keep pace with the sensitivity of analytical methods and regulatory and legal scrutiny. The number of wells monitored, and the frequency and duration of monitoring required have increased substantially. This rapid expansion of monitoring activity has in turn put a severe strain on the human resources needed to support it. A lack of qualified personnel and a high turnover rate present additional challenges, especially to long-term monitoring programs.

DISCUSSION OF TRADITIONAL METHODS

There are numerous ways that water level measurement may be obtained. Listed are a few of the most common methods used for depth to water measurements:

1. Chalked steel tape
2. Popper
3. Electronic tape or cable
4. Pressure head probe
5. Bubbler tube with back pressure gauge
6. Acoustic well or sonar device

Although all of these methods provide an answer to the question, "What is the depth to water?", each works differently and has unique advantages and disadvantages. The following is a brief description of operation of each of the six mentioned methods.

1. <u>Chalked Steel Tape</u> - A chalked steel engineering tape is lowered down the well until part of the chalked section is below water and one of the foot markings on the tape can be held exactly against the top of the casing (or other measuring point). The tape is withdrawn and the wetted chalk length is noted. The level reading is obtained simply by subtracting the wetted reading from the foot mark held at the measuring point. This straight forward technique is one of the oldest methods in use
yet may be one of the more accurate.

Applying chalk to a tape in field conditions can be difficult. The chalk may become wet in the well and smear the water limit line. The approximate depth to water must be known in advance so that the tape will not be lowered too deep and remove all the chalk. In addition to these specific disadvantages, this approach also has disadvantages inherent to all tape type measuring devices such as:

*The tape can get kinked or stretched from misuse or more commonly by getting hung up in the well on other downwell equipment. A stretched tape may go unnoticed and get continued use.

*The tape is subject to thermal shrinkage and expansion and could yield variable results. For example, if a steel tape is used in climate where the annual temperature changes 80 degrees Fahrenheit, the tape length can vary up to 0.08'.

*The actual top-of-well measuring point may vary, which can cause differences in readings due to crooked well casings and different operator vantage points.

*Any portable device may introduce contamination to the well, and requires some level of decontamination.

2. Popper - A small metal cylinder (usually 1-1.5" in diameter and 2-3" long) with a concave undersurface, called a "popper", is attached to the end of a steel tape. The popper is lowered close to the water surface. By raising the popper and then dropping it to the water surface, the concave cylinder makes a "pop" sound on contact. Repeated drops and adjustment of the length of the tape enable the determination of the water surface. This simple system is quite mechanically reliable. The wrist flick required to cause the pop sound makes reading the tape at .01' difficult. Loud noise near the well can also make precise measurement difficult. This method is also subject to the disadvantages inherent to all tape devices.

3. Electronic Tape or Cable - A calibrated tape or cable typically made of plastic is attached to a metal probe. A one or two wire current carrying lead connects to the probe. When the probe is lowered into water an electric circuit is completed. At the surface an ammeter, light, and/or buzzer indicates water contact. The depth to water measurement can be read directly from the tape or cable or with the aid of a pocket ruler. This type of device is perhaps the most common used in the industry. Accuracy is limited to the ability to closely space markings on the tape or cable and the other tape device disadvantages. This method is dependent on batteries for operation.

4. Pressure Head Probe - A sensitive pressure transducer is lowered on a cable to a known depth in the well and the submergence of the transducer is indicated on a readout device at the well head. This approach is restricted largely to well pumping tests, since the transducer is expensive and requires frequent recalibration. This portable approach would also require some level of decontamination.

5. Bubbler Tube Back Pressure - A small diameter (1/4") pipe or tube is installed in the well from the surface to a depth below the lowest expected water level. Compressed gas (air) is used to displace the water from the tube. The pressure (psi) needed to displace the water from the air line multiplied by 2.31 (feet of water/psi), equals the submergence of the air line. This back pressure is read at the surface by a standard pressure gauge (Figure 1). The depth to water can be calculated by subtracting the length of air line below the water surface from the total length of air line. Accuracy has typically been limited by the inability of available gauges to provide adequate accuracy and range. Water level measurements may vary several feet in a year. If the gauge has a 10′ range, it would need to be capable of a 0.1% precision to provide +/- .01′ readings. Gauges with this capacity are generally very expensive and not field durable. This method requires no batteries, but does need a compressed gas source available.

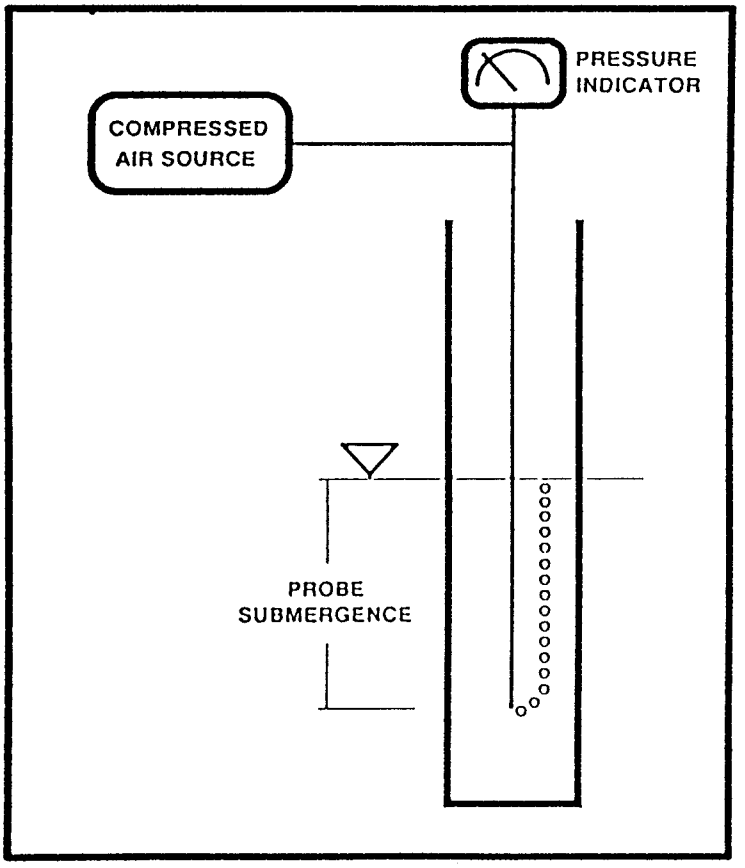


Figure 1. Bubbler Tube Back Pressure Method

6. Acoustic Well Sonar Device - Measures the distance (depth) to water level by bouncing a sound wave off the surface in the well. The sonar emitting instrument measures the round trip time and displays it visually. This is converted to feet by dividing the wave speed by the round trip time. The greatest advantage of this approach is that nothing needs to be lowered into the well. Poor accuracy and precision have made this method somewhat obscure. The system cannot be used when pumping/sampling equipment is in the well and is also highly temperature dependent.

Each approach used for water level detection has its own advantages and disadvantages. These disadvantages vary depending on the overall objectives of the specific monitoring program. Exhibit A is a check list designed to increase awareness for concerns which should be addressed before selecting a water level measurement device for a specific project. It should not be assumed that one device can be used universally for every application.

The length of this check list alone indicates that there are many factors which can have an affect on the choice of level detection device. The items on this check list can be consolidated into four (4) primary categories of concern, which are:

1. Accuracy
   a. Device precision and accuracy.
      Precision refers to the ability to repeat measurements consistently; accuracy refers to the absolute value of the reading.

   b. Method control (operator influence).
      Standardization of the methodolgy to limit variations in measurement due to the influence of the operator.

2. Costs - both operating and initial equipment costs

   The initial cost of any piece of equipment is always a primary concern. However, for any system to be practical the cost and liability of use must also be considered.

3. Contamination control

   A level detection method should not be a potential source of well contamination. Steps that prevent device introduced contamination must be easily performed in the field.

4. Ease of operation

   The device must be user friendly, durable, and fast. Any system that is too complex or time consuming would be impractical for field use.

EXHIBIT A

WATER LEVEL MEASUREMENT CHECK LIST

How many wells do you need water level readings from?

With what frequency will readings be taken? And duration?

What are the diameters of the well casing?

Will there be dedicated monitoring equipment installed in any wells?

Does the well casing have flush joint threads?

Are there any wells that are not straight?

What is the depth to water?

Does the depth to water change significantly within a year?

Will a pump/aquifer test be conducted?

What is the contaminant(s) of concern? Concentration level?

Do any wells have floating contaminants?

Will the level detection device be dedicated to the site?

How will decontamination occur?

What are the regulatory requirements for:
Accuracy/Precision? Decontamination?

How much time will be spent per well including collecting level readings and decontamination?

What type of site climate conditions exist?
Wet_____ Dry_____ Hot_____ Cold_____ Rain_____ Snow_____

What type of surface contaminants exist?
Soil_____ Vapors_____ Dust_____

Who will be taking the level readings?

What is this person's experience and skill level?

Has this person been adequately trained?

What level of supervision and quality control will be provided?

What is the cost of the proposed water level device?

Current standards for water level measurement may exceed the capabilities of most methods in use today. In many situations the regulatory requirements call for water level readings to he nearest 0.01'. Ground water sample collection systems have made strides in the quality of the water samples obtained and laboratories can now confidently provide part per billion level analysis. The demand has come for more accurate and precise water level readings. With this understanding of the need for a more accurate level detection method, a new product has been developed to meet these modern and future needs.

NEW SYSTEM - OPERATION

This new water level measurement approach utilizes a bubbler tube in each well and a fascinating new portable meter is taken from well to well. A back pressure reading is converted to a digital display and read at 0.01' directly from the meter (Figure 2). The system was designed to:

1. Provide precise .01' level readings.
   The downwell components are fixed in position. The measurement always occurs from the same point. This helps standardize the data by standardizing the methodology.

2. Eliminate the potential for level device cross well contamination.
   The monitoring well is not repeatedly exposed to the risks of inserting a portable probe or tape whose previous contaminant exposure and cleaning is questionable.

3. Save time.
   An accurate reading is obtained quickly at each well and no time is wasted decontaminating equipment.

4. Reduce operator influence.
   Water levels are read directly from the digital display; there are no judgement calls and no individual interpretations.

5. Reduce operator exposure to contaminants.
   Dedicated downwell components spare the operator from repeated exposure to potentially dangerous contamination.

6. Eliminate entanglement and hang-up problems.
   The probe and tubing are permanently installed in the well. Water level readings can be made without introducing anything to the well.

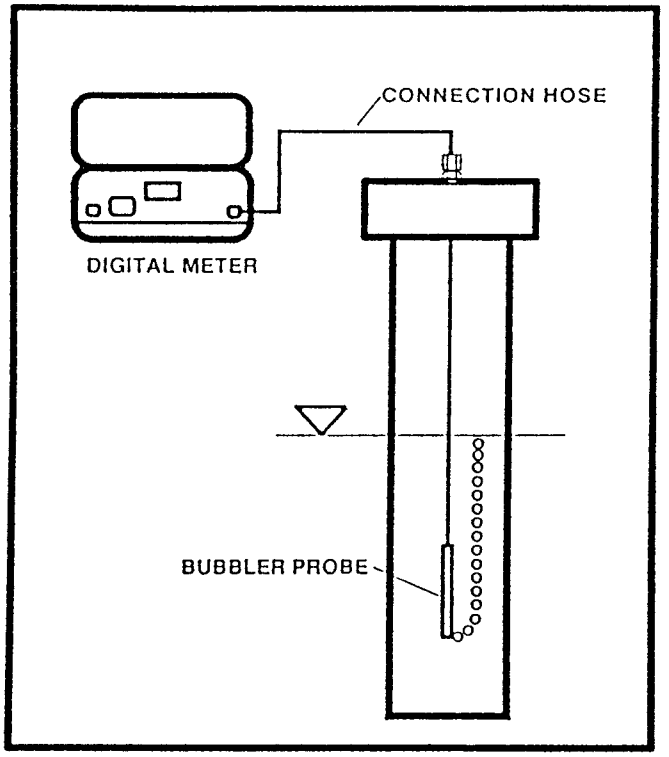


Figure 2. Dedicated Digital Water Level Measurement System

The specific system operation is quite simple. Individual wells are equipped with a low cost small diameter bubbler probe and tubing fixed in position. Compressed air is stored within the light weight portable meter. The meter is attached to the bubbler line via a flexible tube with a quick-connect fitting in the well head assembly. The meter then reads the amount of pressure needed to push the water out of the downwell tubing and probe. The meter employs a sophisticated combination of microprocessor circuitry and programming with a high performance aerospace transducer for consistent results. A digital LCD read out displays the probe submergence level at +/- 0.01' accuracy. Because the probe depth is fixed and known in advance, depth to water can be obtained by subtracting probe submergence (meter display) from the probe depth. At installation, the probe depth is established. It is not necessary to know the exact tubing length at the time of installation in order to obtain an accurate probe depth measurement. Probe depth can be easily obtained as follows:

Probe Depth = Static Water Level + Meter Reading

Initial static water level must be obtained by some other device, preferably one that provides a reliable reading. Then, each return trip to the well requires only the meter and the knowledge of the base probe depth. Water level measurement can be obtained as follows:

Water Level = Probe Depth - Meter Reading

This digital dedicated level system will only be as accurate as the method used to obtain the initial water level measurement. The precision, however, will be excellent regardless of the operator or site conditions. The system will allow the user to carefully plot very slight changes in depth to water measurement.

WELL INTEGRITY

The installation and monitoring of a ground water well represents a considerable investment. Sample analyses are costly and can detect very low levels of contamination. Any activity that increases the potential for introducing contaminant to the well represents a liability and jeopardizes the investment in the well. The digital dedicated level system is designed to complete the concept of dedicating monitoring equipment to a well. The well should become "sealed" from potential surface introduced contaminants.

A dedicated level detection system is not appropriate for all applications. It is not an accurate method of level detection. The system relies on another level detection device for establishing an initial reading. It is, however, very reliable (repeatability). The system would not be appropriate when level readings are taken only once. However, the dedicated probe lines are inexpensive and this system may be the best method of preventing surface contamination.

Consideration should always be given to the four primary concerns of water level measurement each time the decision is made to take readings. In order to protect the integrity of the monitoring program, these primary concerns of accuracy, cost, contamination control, and ease of operation cannot be overlooked. The data obtained from water level measurements and well monitoring activities is used to guide serious decisions regarding the continued monitoring and possible remediation work performed. Standards should exist for the traditional and new methods used in level measurement so that the accuracy required can be achieved.. If inaccuracy exists in the data, how confident can anyone be in the decisions that follow?

TEST PROCEDURE

A test was designed to evaluate this new digital dedicated water level system compared to three traditional depth to water methods (popper, electric tape and electric cable). The test examines accuracy, precision and the influence of operators on obtaining level readings. Five operators were asked to provide 0.01′ readings using each of the four devices.

Water was pumped into a capped 300′ indoor test well. Because the well is capped and is not in communication with the aquifer, the water level can be fixed at different levels. The standard for depth to water was established using a chalked steel tape as previsouly described. A group of five of the authors′ co-workers were chosen as operators. These operators are from various occupational backgrounds including sales, clerical, and engineering, and had no personal field experience in water level measurement. Individual instruction was provided to each operator before operating each device. Each of the operators measured water level with the first device. No assistance was given to the operator after the initial instruction. All operators were shown a specific measuring point on the well casing for obtaining level readings. Results were recorded to the nearest 0.01′. After the fifth operator had completed measurement with the first device, the procedure was repeated for the other three devices. This completed one round of tests.

Additional water was added to the well and allowed to stand overnight. A new depth to water standard was established the next day with a chalked steel tape. The five operators were reassembled and the entire four device procedure was repeated (Round II).

TEST RESULTS

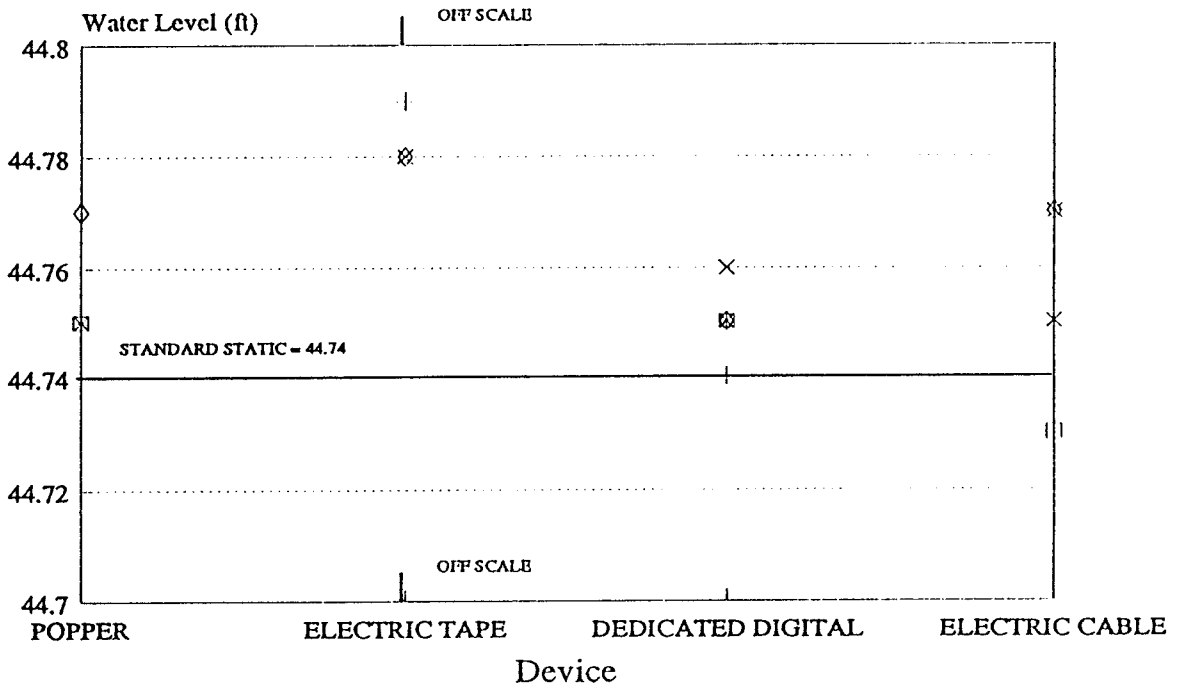
The raw data from test rounds I and II are shown in Tables I and II, respectively, along with the range, mean and standard deviation of the results. The same information is shown graphically in Figures 3 and 4.

TABLE I

ROUND I - DEPTH TO WATER TEST (FT)
Standard Established at 44.74 ft.

Operator	Popper	Electric Tape	Digital Dedicated Display	Electric Cable
1	44.77	44.78	44.75	44.77
2	44.74	44.79	44.74	44.77
3	44.75	42.75	44.75	44.77
4	44.75	45.80	44.75	44.73
5	44.75	44.78	44.76	44.75
Range	0.03	3.05	0.02	0.04
Mean	44.75	44.58	44.75	44.76
Std. Deviation	0.011	1.113	0.007	0.018

Figure 3.
Device Test - Round I



Several patterns can be inferred from the test results. Occasional large errors of one and two feet resulted from operator error associated with addition/subtraction confusion concerning tape readings. This transposition of length adjustment values was a random event, not associated with a single device or operator.

The next lower errors of up to +/- .05′ appear to be a combination of operator judgement and device performance. If the addition/subtraction error related results are omitted, and the results of test rounds I and II are combined, the results appear as shown in Table III and Figure 5.

TABLE II

ROUND II - DEPTH TO WATER TEST (FT)
Standard Established at 37.25 ft.

Operator	Popper	Electric Tape	Digital Dedicated Display	Electric Cable
1	37.21	37.22	37.25	37.21
2	37.21	37.25	37.25	38.90
3	37.25	37.24	37.26	37.22
4	35.27	37.22	37.27	37.25
5	37.20	37.23	37.25	37.22
Range	1.98	0.03	0.02	1.69
Mean	36.83	37.23	37.26	37.56
Std. Deviation	0.871	0.013	0.009	0.749

Figure 4.
Device Test - Round II

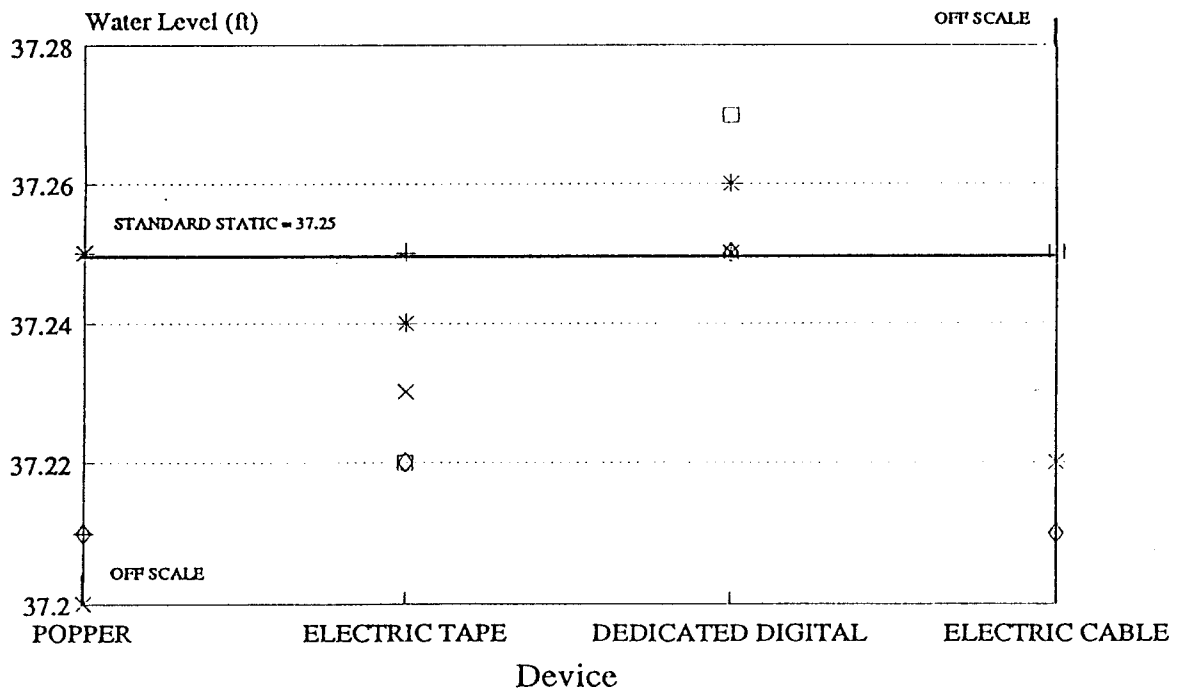


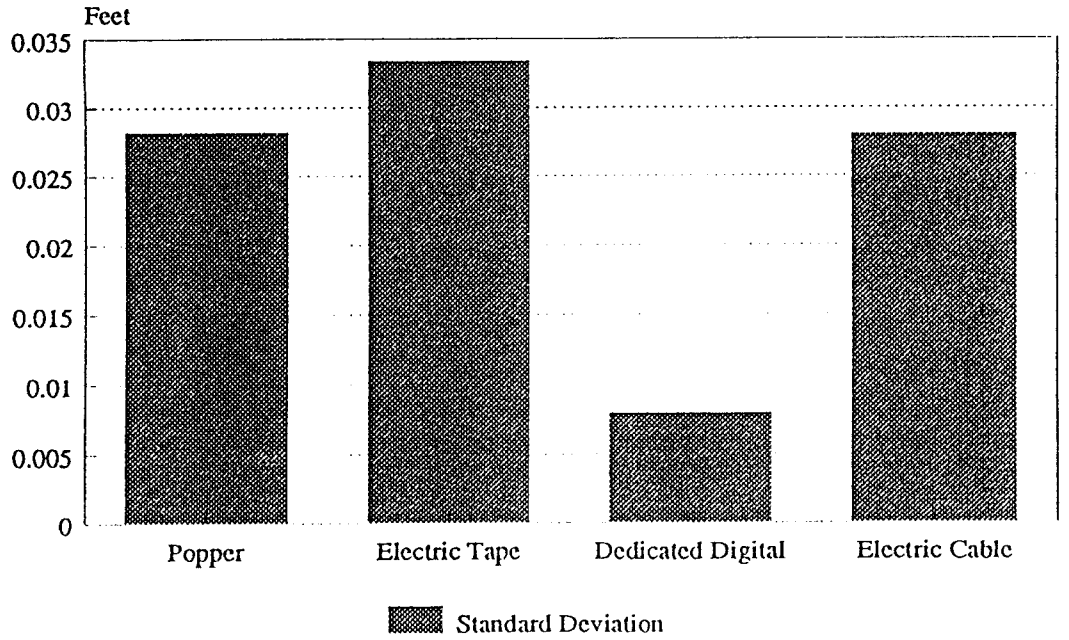
TABLE III

WATER LEVEL READING ERROR

	Popper	Electric Tape	Digital Dedicated Display	Electric Cable
	+ .03	+ .04	+ .01	+ .03
	.00	+ .05	.00	+ .03
	+ .01	N/A	+ .01	+ .03
	+ .01	N/A	+ .01	- .01
	+ .01	+ .04	+ .02	+ .01
	- .04	- .03	.00	- .04
	- .04	.00	.00	N/A
	.00	- .01	+ .01	- .03
	N/A	- .03	+ .02	.00
	- .05	- .02	.00	- .03
Standard Deviation	.0282	.0334	.0079	.0284

*Error defined as difference from established standard (chalked tape). Excludes readings which were an order of magnitude away from standard (N/A).

Figure 5.
Standard Deviation of Device



Even omitting the large errors, the results in Figure 5 illustrate two major points. First, the new digital dedicated system clearly exhibited the best precision of the devices tested. Secondly, the traditional tape-type devices yielded water level result ranges which exceed the often-mentioned +/- .01′ guideline.

INTERPRETATION

This set of tests was intended to give illustrative examples of human and device errors associated with various water level measurement devices, since both factors play a role under practical field conditions. The role of the operators in the tests may be viewed from two different, potentially balancing perspectives. Admittedly, the operators were not experienced field technicians. However, they did receive specific, individual instruction in device use, the tests were performed under ideal indoor conditions in our test well, and they were not under time pressure. In contrast, actual water level readings are often taken by entrance level employees subject to considerable physical discomfort due to site conditions, distractions, and time pressure to complete their field work. Additionally, different individuals are likely to perform these measurements over time, due to employee turnover and project & duty reassignments. The type and magnitude of errors introduced by such common field work conditions are likely to be considerable compared to the inexperienced operators under controlled conditions of this test.

The important messages from these results are two fold:

1. Water level measurement accuracy limits required by regulations need to be carefully considered in terms of true need and realistic likelihood of achievement.

2. Whatever precision standard is adopted, care needs to be taken in both the selection of the water level measurement method and device, and the training, supervision and quality control of the individuals performing the measurements. The new digital dedicated system described in this paper appears to offer significant advantages in precision under realistic usage conditions.

CONCLUSION

The objectives, methods, quality control, and costs of ground water level measurement bear consideration as a fundamental component of state-of-the-art ground water quality monitoring programs. Many traditional methods enjoy wide usage but may not measure up to current overall requirements. The +/- .01′ guideline may be very difficult to adhere to under field conditions. Irrespective of the precision standard employed, care is needed in the selection of the method and device, and personnel training, supervision and quality control of their use. A new high precision digital display system which employs simple, fixed-in-place probes appears to offer more consistent results than other methods.

BIOGRAPHICAL SKETCHES

Bradley Peake is the Manager of Ground Water Monitoring Products for QED Environmental Systems, Inc. (6095 Jackson Road, Ann Arbor, MI 48103). He received his Bachelor's degree in Hydrogeology from Central Michigan University. Mr. Peake has experience as a field hydrologist and has supervised ground water monitoring well installations. In addition, Mr. Peake has taken graduate courses from Wright State University in Applied Hydrology. As Product Manager at QED his roles include providing geotechnical support, designing monitoring systems for specific applications and improving the quality of sampling equipment offered.

David Mioduszewski is the Executive Vice President of QED Environmental Systems, Inc. (6095 Jackson Road, Ann Arbor, MI 48103). He received both his Bachelor's degree in Chemical Engineering and Master's degree in Environmental Engineering from the University of Michigan. Mr. Mioduszewski joined QED in 1979 after working with the U.S. Energy Research and Development Administration and Calgon Corporation in the field of water treatment process development. He has been directing the research and development of new products in the fields of ground water monitoring and remediation pumping systems.

APPENDIX C

KEY RESUMES FOR PROJECT PERSONNEL

M. LEE DODGE, P.E., R.E.A.

Regional Environmental Engineer/Senior Project Manager

Education: M.S., Civil/Environmental Engineering, Texas A & M University
B.S., General Studies, Rockford Evening College

Registrations: Civil Engineer - California
Environmental Assessor - California

Special Training/Certifications:

- CEQA for Engineers
- RCRA Training
- Leadership in Engineering Management
- Project Management/Time Management/Budgeting
- Technical Writing/Presentation
- Procurement/Contracts

Summary of Experience:

Mr. Dodge is the Regional Environmental Engineer and a Senior Project Manager for Chemical Waste Management, Inc. who brings to the firm his expertise and experience from twenty-three (23) years in the environmental engineering and remediation industry. His experience includes managing and directing technically complicated, multi-disciplinary projects dealing with complex permitting and regulatory activities.

As a Senior Environmental Engineer his work includes conducting acquisition evaluations from technical and environmental perspectives, performing environmental assessments of TSD, solvent recycling, fuels blending, recycling, and recovery facilities.

Chemical Waste Management, Inc. Experience (since 1985)

Major Project Work Includes:

- Incineration Project Manager - Mr. Dodge directed a team of consultants, engineers, and scientists to assemble the permit applications and preliminary engineering for a new commercial hazardous waste incineration facility, which included: RCRA Part B, CA HWFP, County APCD and CUP (land use). The latter required critical attention to CEQA in the development of the environmental impact documents. These documents included agricultural impact studies, offset land acquisition and mitigation measures, and several permutations of health risk assessments.

  This project remains possibly the highest visibility environmental project in the state; its complexity included accommodating three (3) design changes, several CEQA decisions and new EPA policies which added risk-based permitting concepts including control of metals emissions.

- TSD Site Closure - Project Manager - This effort consisted of closing in-place eight, (8) ponds and two (2) landfill cells, defining the hydrogeologic regime, designing and installing the groundwater monitoring system, remediating mismanaged waste found off and on-site. The project encompassed excavation of 800,000 cubic yards of wastes, processing and placing 400,000 cubic yards of clay, and placing 200,000

cubic yards of soil cover; it was completed in five (5) months at a cost of $9 Million, producing several major accomplishments:

- First complete hazardous waste site closure in California,
- First application of new RCRA pond closure rules,
- First coccidioidomycosis (valley fever) screening and mitigation plan on a construction project, and
- First post closure permit issued in California.

- Environmental Management Department (EMD) - Mr. Dodge was responsible for evaluation of EMD requirements dealing with the technical permitting evaluation of various acquisition opportunities; work included inspection of facilities, equipment and permit and permitability status. By re-evaluating the methods of determining the investment base he enabled an interim status facility, at its expansion limit, to expand. This expansion provided for the continued operation of the site until final permits were issued.

- Acquisition Evaluations - Mr. Dodge participated in numerous evaluations at facilities, specializing in the areas of thermal and biological treatment.

Prior Experience (17 years)

Independent Consulting (2 years)

- Underground Tank Evaluation - Project encompassed drilling initial detection and evaluation wells for underground hydrocarbon storage tanks. Mr. Dodge's work involved choosing the well locations, logging, sampling, and reporting.

- Construction Manager/Project Engineer/Site Remediation - Project involved removal of contaminated materials, contaminated soils and water; constructing storm water retention basin, control and scheduling of truck loading and work documentation.

Polymetrics - Systems Division (1 year)

Major Project Work Included:

- British Steel - Project Manager - Mr. Dodge was responsible for the design, procurement, fabrication and shipment of a sea water desalinization plant for a Saudi mining operation. The design had to accomodate the constraints of shipment to and operations in an extremely remote area. It included details like a sea water intake with features allowing for simple, easy maintenance provisions. The project was completed on time and on budget with a smooth start-up.

- Republic of Cape Verde, Africa - Technical Specialist - The work performed was final construction and start-up of a sea water to drinking water desalinization plant. This included training of a local operation and maintenance staff. It was a US-AID project to provide drinking water, a distribution system, and water storage. The plant had engineering errors, some incorrect, and missing parts which had to be corrected on the island. The plant produced water, nine (9) days after Mr. Dodge arrived.

- Multiple Project Responsibilities Included - Mr. Dodge had direct responsibility for client approval/satisfaction on major project work. His tasks involved obtaining customer acceptance of projects already installed and operating but remaining as open contracts. Mr. Dodge worked with one field expert to do whatever was required on these projects to satisfy the client and remove any problems they had in accepting the plants.

In three months this two man team obtained acceptance on projects which represented well over 1/2 of the preceeding two years of business volume.

Metcalf & Eddy (4 years)

- EPA Report to Congress - Mr. Dodge was a Technical Specialist, as such he performed as task leader for a team of engineers producing an EPA Report to Congress. The report was to be the basis for U.S. federal government policy recommendations. As a part of his function, Mr. Dodge developed/determined a national Public Owned Treatment Works (POTW) inventory which included: type of process, quantity by type, age, capacity, and O&M costs. From this baseline the effects of various public policy, energy cost scenarios, and beneficial uses could be evaluated for their effect on the national cost of wastewater treatment.

- C.C.C.S.D. - Complete facility evaluation - As Technical Specialist, Mr. Dodge functioned as a part of a complete facility evaluation, whereby, Mr. Dodge was responsible for evaluating the solids handling and processing portion of the evaluation. The work involved evaluating a main feature which was two (2) large, multiple-hearth sludge furnaces. The purpose of the project was to document the problems found, and the costs of rehabilitation and contract options available to the owner of this relatively new facility. The material developed would be considered by the owner for use in legal actions.

Envirotech (7 years)

- Product Manager - Mr. Dodge provided preliminary engineering packages, proposals and bid packages to consulting engineers and sales representatives for various wastewater and sludge treatment applications.

Military Experience:

U.S. Navy (2 years) - Electronics Instructor

Affiliations:

- Air Waste Management, Association
  - Technical Council Member
  - Chairman of the Remediation and Closure Committee
  - Secretary of the Thermal System Committee

- American Society of Civil Engineers, Member
  - Co-Chairman of the Steering Committee for Satellite Video Conference on the Future of Bioremediation

Professional Presentations:

"Thermal Relief Vent Emissions: A Case Study in Risk Assessment" 1990, Symposium on Incineration of Industrial Waste Sponsored by the Institute for International Research

University of California Santa Cruz - Hazardous Waste Certification Program - numerous presentations on thermal treatment of hazardous waste.

Peninsula Business and Industry Association (PIBA) - Two Presentations on Hazardous Waste Incineration.

MARC I. YALOM
Regional Hydrogeologist

Education: Graduate Studies, Geology, San Jose State University
B.S., Geology, University of Maryland
B.A., Government & Politics, University of Maryland

Registrations: California Registered Geologist #5220

Special Training/Certifications:

- OSHA Health and Safety Training in Compliance with 29 CFR 1910.120
- 8-Hour Supervisor Training
- NWWA IBM PC Applications in Groundwater Pollution and Hydrogeology
- NWWA Corrective Actions for Containing and Controlling Groundwater Contamination

Summary of Experience:

Mr. Yalom is Regional Hydrogeologist for Chemical Waste Management, Inc. (CWM) in their Environmental Management Department (EMD). He has nine (9) years of professional and consulting experience, seven (7) years in environmental investigations, groundwater contamination characterization and remediation, project and technical staff management. Mr. Yalom has two (2) additional years of experience in computer programming, data base design, testing and maintenance in sociologic, geologic, and cartographic disciplines.

Chemical Waste Management, Inc. Experience (since 1991)

- Regional Hydrogeologist - As Western Regional Hydrogeologist, Mr. Yalom provides in-house review of technical elements of hydrogeologic and subsurface contamination investigations, feasibility studies, and corrective measures studies. He also manages selected soil and groundwater investigations and environmental permitting.

Major Projects Accomplished included:

- O.S.C.O./Azusa, California - RCRA Facility Investigation - For this major soil and groundwater investigation, Mr. Yalom performed various oversight and managerial duties including: preparation of subcontractor bid specifications, work plans, and budgets, as well as negotiating regulatory permit implementation issues.

- NASA Ames Research Center, Mountain View, California - Providing environmental compliance support to the Federal Agency, Mr. Yalom acted as technical advisor and provided management support. He provided technical assistance with planning and support for subsurface environmental investigations, as well as preparing soil and groundwater sampling plans, subcontractor bid specifications, and conducting investigations.

Prior Experience (8 years)

Converse Environmental West (4 years)

- Manager of Field Technical Services - In his position, Mr. Yalom functioned as Department Supervisor, whereby, he managed the environmental technical staff, including field and office personnel. He was responsible for hiring, scheduling, staff development, health and safety compliance, purchasing, inventory, equipment and vehicle maintenance, data review, data base design and data routing to project managers. Additional responsibility involved supervision of the warehouse build-out and reorganization.

Major Projects Accomplished included:

- Bulk Fuel Distribution Terminal, Las Vegas, Nevada - This project encompassed a soil and groundwater remedial investigation and soil vapor extraction feasibility demonstration. Mr. Yalom managed the fuel spill investigation and vapor extraction demonstration as well as the budgeting, permitting, subcontracting, quality control, regulatory reporting and the field technical staff for this project.

- Gasoline Service Station Investigations, San Francisco Bay Area, California - These projects involved remedial soil and groundwater investigations. Mr. Yalom managed groundwater and soil contamination investigations at multiple service station sites. Responsibilities included permitting, drilling, agency reporting and supervision of the technical project staff.

- Motor Freight Terminal, Sacramento County, California - This project involved remedial investigation of a subsurface diesel fuel release. Project work performed by Mr. Yalom included the installation of groundwater monitoring wells and quarterly sampling a fifteen (15) well field for water quality assessment. Additional tasks performed included installation and maintenance of a subsurface fuel extraction system, modelling and design of a groundwater flow barrier/extraction well system.

Clayton Environmental Consultants (2 years)

Special assignments included work on the following RI/FS:

- Chemical Distribution Facility, Union City, California - This RI/FS included groundwater remediation, and a RCRA facility closure. The scope of work included investigation and remediation of soil and groundwater solvent contamination. Mr. Yalom collected groundwater samples and prepared quarterly monitoring reports for a twenty-five (25) well field. Additionally, he designed a water quality computer data base and reporting system, installed, monitored, and maintained contaminated groundwater extraction/air stripper - carbon treatment system, and supervised surface resistivity/IP geophysical field surveys.

U.S. Geological Survey (1 year)

Project Work included:

- Nuclear Waste Repository Investigation, Nye County, Nevada - This project involved the geologic investigation of proposed Yucca Mountain nuclear waste repository. Mr. Yalom designed electronic databases for fracture and mineralogic data, including direct CAD interfacing, and conducted field geologic mapping and logged fractures from borehole videos.

U.S. Department of Defense, Defense Mapping Agency (1 year)

- Hydrographic Chart Development and Processing - On this project, Mr. Yalom's work involved processing computerized nautical chart coordinate requests using automated cartographic systems. A special accomplishment of his on this work involved his design of software which enabled cartographers to upgrade from batch to interactive processing of chart design work orders.

U.S. Department of Commerce, Bureau of the Census (1 year)

- While working here, Mr. Yalom worked in the Demographic Surveys Division, Special Projects Branch. Specific projects included the Annual Housing Survey, National Crime Survey and Consumer Expenditure Survey. He developed computer programming for demographic surveys where he designed, tested, implemented and verified sociological data bases.

Professional Presentations:

- AAPG Annual Meeting, 1982, "Effects Satellite Orbital Paths in Lineament Mapping"

ZAKI K. NASER
Environmental Technical Manager
Laboratory Manager

Education: M.S., Analytical Chemistry, California Poly Technical University
B.S., Chemistry, Damascus University, Damascus, Syria

Special Training/Certifications:

- OSHA Health and Safety Training, 29 CFR 1910.120
- Certified Hazardous Materials Manager - Lyon Technology
- Supervisors Health and Safety Workshop
- Effective Supervision Training
- Laboratory Quality/Assurance Quality Control Training
- Environmental Laboratory Analytical Instrumentation Training

Summary of Experience:

Mr. Naser is a Senior Scientist with twenty-three (23) years of expertise in environmental sciences and management. He has an extensive background in laboratory operations, sampling and analysis, waste treatment and recycling, and fuels blending. One of his recent management experiences includes successful involvement on an organic waste Superfund recycling and remediation site utilizing water extracting applications. He has demonstrated outstanding capabilities in organizing and providing oversight of technically and environmentally complex projects involving numerous concurrent activities. Additionally, his abilities as a manager, chemist and his laboratory research skills aided in the development of converting an oil and solvent processing company from a family-owned business into a CWM recycling and treatment facility.

Chemical Waste Management, Inc. Experience (since 1986)

- Environmental Technical Manager/Laboratory Manager - Mr. Naser serves CWM's Oil and Solvent Process Company, Azusa facility, as a manager of both the environmental and technical departments. His responsibilities include laboratory operations, waste treatment disposition and receiving, environmental compliance and permitting, and the effective management of a staff of twenty (20). Additionally, he interacts with local, state and federal agencies to ensure regulatory compliance at the site.

Major Project Work included:

- Western Processing Superfund Remediation - Kent, WA - Project involved water extraction and clean-up, contaminated soils were flushed, water extracted and treated for heavy metals volatile organics. Mr. Naser, as Technical Environmental Manager, was responsible for laboratory operations, sampling and environmental monitoring, and chemical process evaluation.

- OSCO, Azusa - Mr. Naser was responsible for laboratory operations, assessing proper, safe, legal and technical treatment of hazardous waste, including recycling, waste fuel blending, waste repackaging and new recycled solvent formulation and distribution. Mr. Naser participated in the transition of a family-owned operation into a CWM facility that maintains the Corporation's high standard of performance, and safety and health requirements.

Prior Experience (13 years)

Corrosion Control Systems (5 years)

- Consultant - Mr. Naser performed consultant research laboratory testing and project proposal reporting for the development of corrosion control and protection measures and equipment. His work contributed to major failure prevention for major industries and project in the aerospace industry and oil refinery applications.

Oil and Solvent Processing Company (5 years)

- Lab Manager and Assistant Technical Director - Mr. Naser was responsible for lab operations, the Health and Safety Program and the right to know training at this recycling and product blending and distribution facility. He also was integral in the company's development of a product labeling system, MSDS and Training Programs. Additionally, he ensured continuous compliance of applicable OSHA requirements.

Cal Poly University - Pomona, CA (3 years)

- Research Associate - As a Research Associate, Mr. Naser participated in a graduate program researching the development of electrochemical methods to measure and monitor corrosive rates. He successfully completed the requirements for his Master's Program, achieving his Master's Degree in Analytical Chemistry.

Affiliations:

- American Chemical Association

APPENDIX D

SITE SAFETY AND HEALTH PLAN

MEREDITH/BOLI & ASSOCIATES, INC.

SCIENTIFIC and REGULATORY CONSULTANTS

6701 Center Drive West, Suite 900
Los Angeles, California 90045-1535
(213) 670-9221

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SITE SAFETY AND HEALTH PLAN for the OSCO PHASE III GROUNDWATER MONITORING PROGRAM

Prepared for:

OIL & SOLVENT PROCESS COMPANY
1704 West First Street
Azusa, California 91702

Prepared by:

MEREDITH/BOLI & ASSOCIATES, INC.
6701 Center Drive West
Suite 900
Los Angeles, California 90045

Date:

15 October 1991

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Appendix A - OSCO's Safety and Health Rules for Outside Contractors

INTRODUCTION

This Site Safety and Health Plan (SSHP) has been prepared in conformance with 1) Title 29 of the Code of Federal Regulations (29 CFR) Section 1910.120, and 2) the August 1988 document entitled, "Site Safety Plan Guidance Document For Site Assessment and Mitigation Projects," prepared by the Toxic Substances Control Division of the California Department of Health Services (DHS).[1] In particular, this SSHP is organized according to the outline specified in the DHS guidance document (Section III therein) and addresses each of the topics listed at 29 CFR 1910.120(i)(2). It is to be supplemented by written "Safety and Health Rules for Outside Contractors" provided by the Oil & Solvent Process Company (see Appendix A hereto).

[1] The Department of Health Services recently was reorganized as part of the newly-formed California Environmental Protection Agency.

1.0 FACILITY BACKGROUND

1.1 LOCATION

The Oil & Solvent Process Company (OSCO) facility is located at:

1704 West First Street
(southwest corner of Peckham Road and First Street)
Azusa, California

Figures 1 and 2 herein provide a general location map and facility layout, respectively.

1.2 ROUTINE OPERATIONS

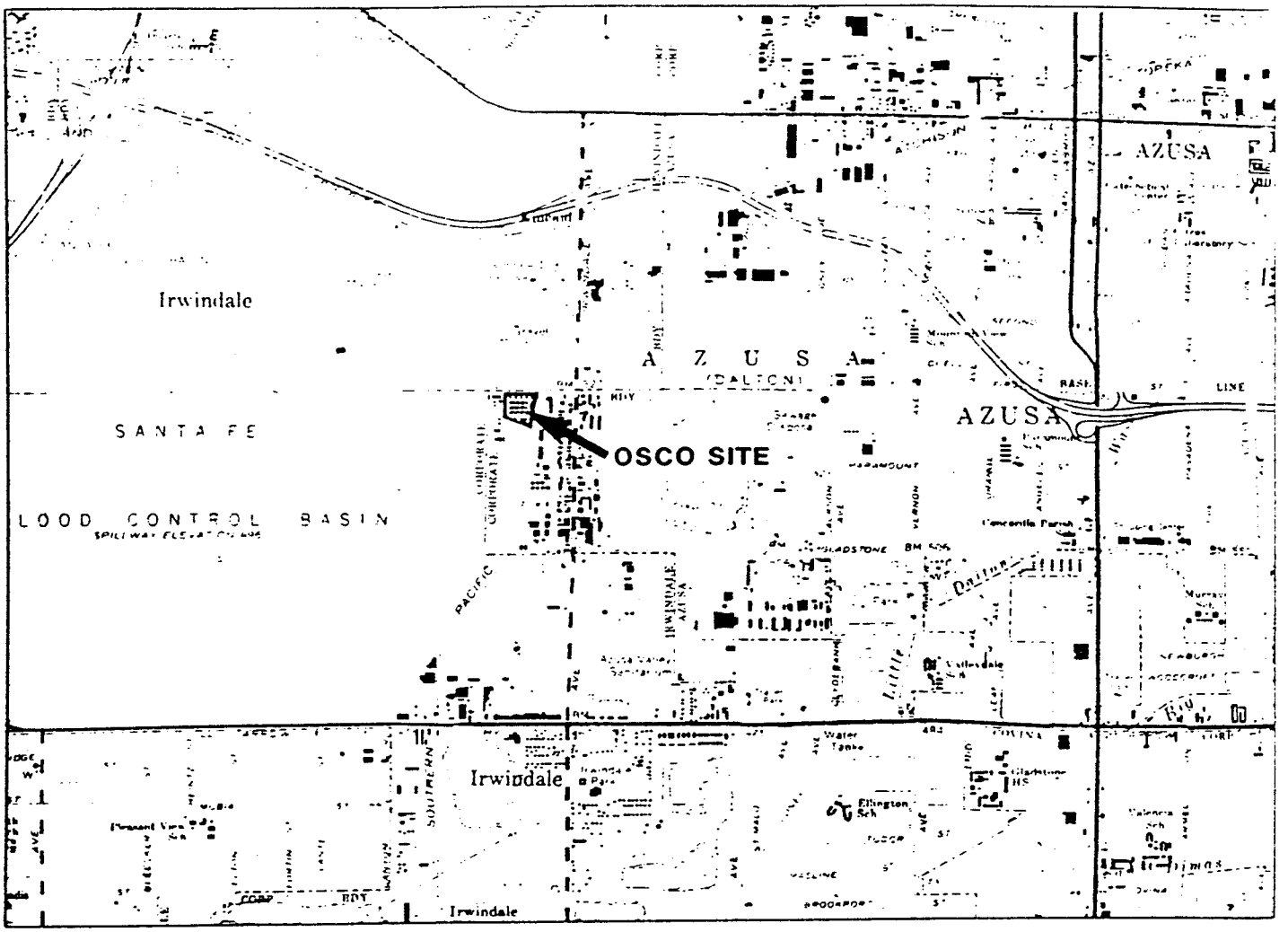
The OSCO facility presently provides solvent recycling services for various manufacturing and waste-generating industries in California and other nearby states. Spent solvent wastes arrive at the site in containerized or bulk form and are unloaded at a drum storage area or into bulk waste storage/treatment tanks, respectively. Reusable solvent products are reclaimed by means of settling, physical separation, distillation/thin film evaporation, and dewatering -- activities that produces aqueous and sludge waste byproducts. Recycled solvents are sold or exchanged for reuse; non-recyclable wastes and wastes generated by recycling activities are manifested off-site for use as supplemental fuels, for destructive incineration, or for disposal by other means. OSCO also markets virgin solvents and operates a solvent distribution, collection, and recycling service for off-site parts cleaning operations.

1.3 PREVIOUS INVESTIGATIONS

As part of Phase I of a Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI), a soil gas survey of the site was performed during October 1989. The results of the soil gas survey were used, in part, to design a Phase IIa shallow soils investigation, which was performed by Western Technologies, Inc. Fourteen (14) test pits were sampled during July and August 1990. As reported by Western Technologies, Inc., the principal organic chemical contaminants detected in site soils during that investigation are summarized on Table 1 herein. Phase IIb of the RFI consisted of drilling nine borings to depths up to 197 feet to assess subsurface soil contamination at depth. Results of this study are in preparation.

1.4 CURRENT INVESTIGATION

This SSHP addresses the potential safety and health hazards associated with the installation of groundwater monitoring wells at the OSCO site. This investigation is designated as the Phase III RFI Groundwater Monitoring Program, and is confined only to those activities.

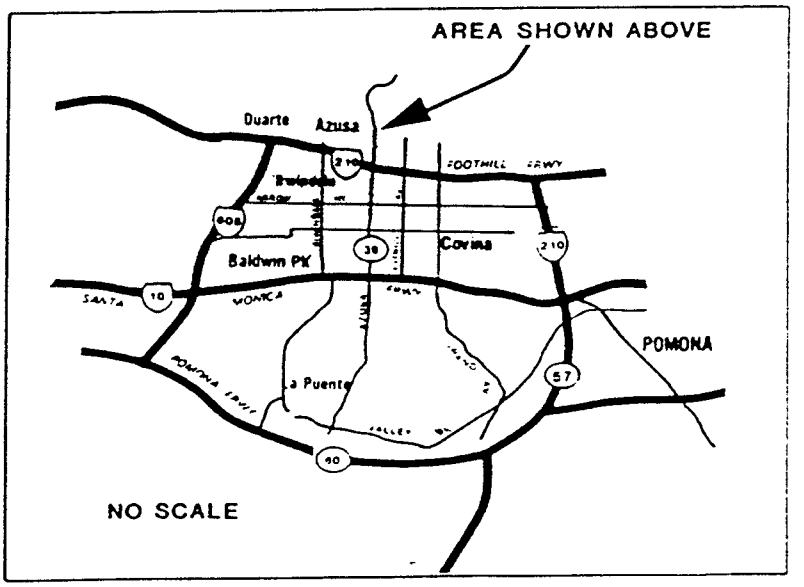


SCALE

0 (FEET) 5000

N

BASE MAP: U.S. Geological Survey, 7.5 Min. Series, Azusa CA. Quadrangle, 1964.(Photorevised-1981).



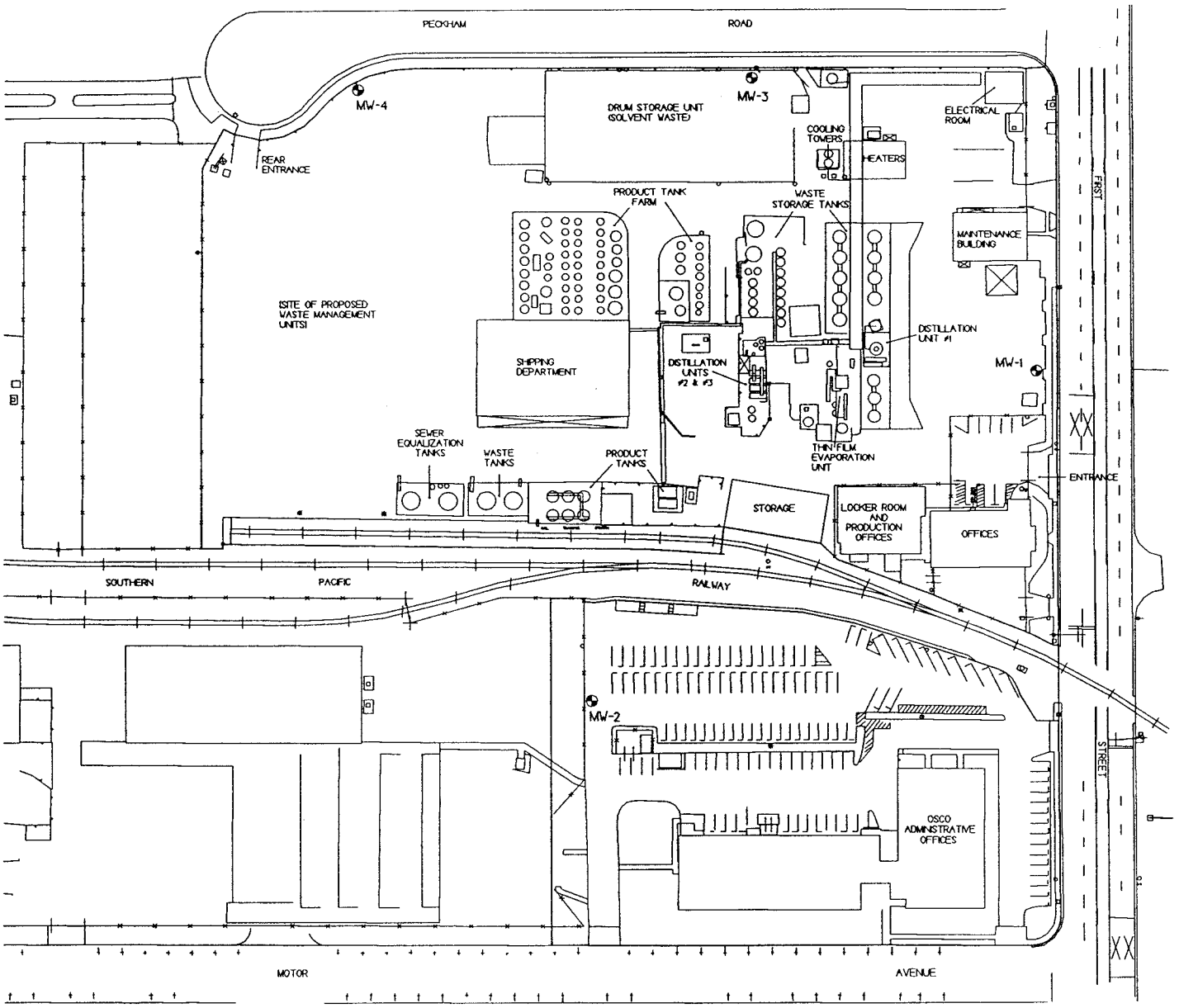
MEREDITH/BOLI & ASSOCIATES, INC.

OIL & SOLVENT PROCESS COMPANY

SITE LOCATION MAP

FIGURE

1



SOURCE: Airborne System, Inc. July, 1991.

MW-1 Groundwater Monitoring Well

APPROXIMATE SCALE
0 100 FEET

MEREDITH/BOLI & ASSOCIATES, INC.

OIL & SOLVENT PROCESS COMPANY

FIGURE 2

EXISTING FACILITY LAYOUT

1990-211

10/11/91

TABLE 1

Site Contaminants Detected During the Phase IIa Shallow Soil Investigation (Organics)

Contaminant	Matrix	Maximum Concentration	OSHA Permissible Exposure Limit (PEL)	ACGIH Time Weighted Averaged (TWA) Threshold Limit Value (TLV)
Tetrachloroethene	Soil	830 ug/kg	100 ppm	50 ppm
1,2-Dichlorobenzene	Soil	900 ug/kg	50 ppm (ceiling limit)	50 ppm (ceiling limit)
Ethylbenzene	Soil	7,000 ug/kg	100 ppm	100 ppm
Toluene	Soil	200 ug/kg	200 ppm	100 ppm
Xylenes (all isomers)	Soil	12,000 ug/kg	100 ppm	100 ppm

2.0 KEY PERSONNEL AND RESPONSIBILITIES

Key on-site personnel involved in implementing this SSHP are identified in this section. The health and safety responsibilities and telephone number of each key person are provided. These personnel also are listed on Table 2 herein.

Project Coordinator: Mr. Michael A. Cloud
Telephone Number: (213) 670-9221
Responsibilities:

- Assures that appropriate personnel protective gear is available and used properly, as necessary, by appropriate personnel
- Assures that personnel, including those of the selected contractor, are aware of the provisions of this plan, are instructed in the work practices necessary to ensure a safe work environment, and are prepared to deal with foreseeable emergencies
- Supervises the monitoring of safety performance by involved personnel
- Corrects work practices or conditions that could lead to, or result in, injury(ies) to personnel or the public
- Maintains a copy of this SSHP at the site.

Site Safety Officer (SSO): Mr. James V. Bunker
Telephone Number: (213) 670-9221
Responsibilities:

- Monitors potential hazards to determine the degree of hazard (if any)
- Determines personnel protection levels, necessary clothing, and equipment to ensure the safety of personnel
- Monitors the safety performance of involved personnel to ensure that the work practices are consistent with this plan
- Recommends to the Project Coordinator necessary modifications to this SSHP and to personnel protection levels
- Coordinates contacts with local Agencies in the event of an emergency.

Responsible Agency: US Environmental Protection Agency, Region IX
Responsible Agency Personnel: Mr. Tom Kelley
(415) 744-2067

TABLE 2

Key Personnel Summary

Project Manager: Dr. Ronald R. Cavagrotti Work Phone: (213) 670-9221
Project Coordinator: Mr. Michael A. Cloud Work Phone: (213) 670-9221 Home Phone: (707) 838-9546
Site Safety Officer (SSO): Mr. James V. Bunker Work Phone: (213) 670-9221 Home Phone: (805) 255-3430
Client Contact: Mr. Zaki Naser Address: 1704 West First Street, Azusa, California Phone Number: (818) 334-5117 Site Contact: Same Phone Number: Same
Responsible Agency: US Environmental Protection Agency, Region 9 Agency Contact: Mr. Tom Kelley Phone Number: (415) 744-2067
Drilling: TBA Address: TBA Phone Number: TBA

3.0 JOB HAZARD ANALYSIS

The physical hazards represented by the daily operation of the OSCO facility include the presence of vehicles, other mobile equipment (e.g., forklifts), and overhead services. To help protect against these routine hazards, hard hats and protective footgear will be worn.

Chemical hazards associated with routine operation of the facility could include exposure to solvent vapors. However, the normal worker protection and emergency procedures in-place at the facility would prevail if a release occurred.

The Phase III Groundwater Monitoring Program (i.e., the subject of the SSHP) will involve only the creation of boreholes/wells of limited diameter. Thus, the expected potential emission rates of volatile organic compounds (see Section 1.3 herein) would be modest. Nevertheless, Draeger pumps and tubes, and/or an organic vapor analyzer (OVA) will be employed to monitor breathing level contaminant concentrations (see also Section 5.0 herein). Should the airborne concentration exceed the Permissible Exposure Limits (PELs) for a given VOC, the SSO will specify the appropriate level of protection or other necessary action.

4.0 RISK ASSESSMENT SUMMARY

The contaminants of potential concern, as identified during previous investigations at this facility, are certain VOCs (see Section 1.3 herein). The data obtained to date for these contaminants are not sufficient to perform confident, quantitative health risk evaluations, nor are they adequate to develop numerical estimates of the probabilities of significant VOC releases. However, given the measured concentrations in previous investigations, combined with the very limited surface area of boreholes that will penetrate the ground surface, it is highly unlikely that chemical hazards will be induced by well installation activities.

5.0 EXPOSURE MONITORING PLAN

Given the limited opportunities for contact with the identified subsurface contaminants, exposure monitoring will be modest in scope. On-site monitoring will address only the air/inhalation pathway and will involve:

- Direct Reading Instruments -- A hand-held monitoring device (PID/FID) will be employed to check breathing zone VOC concentrations at each borehole location. Such monitoring will be performed at least hourly.

- Personal Monitoring -- A Draeger pump and suitable colorimetric tubes (for the analytes of interest) will be used, if warranted by the values obtained from the direct reading analyzer.

6.0 PERSONAL PROTECTIVE EQUIPMENT AND ENGINEERING CONTROLS

Based on the site characteristics described herein, level D protective gear, as defined by USEPA, will be worn initially by personnel in the area(s) where investigative activities are being conducted. Appropriate level D protective gear includes:

- Standard Tyvek coveralls with collar and long sleeves (used as appropriate)
- Goggles/safety glasses
- Hard hats
- Boots -- (leather or chemical resistant, steel toe and shank).

The level of the protective gear worn on-site may be altered by the SSO on the basis of site conditions encountered. Appropriate level C protective gear would include:

- Full-face or half-mask, air purifying, canister-equipped respirators (MSHA/NIOSH approved)
- Standard Tyvek coveralls with collar and long sleeves
- Gloves
- Hard hats
- Boots -- outer (chemically protective, heavy rubber throw-away), only as required by the SSO
- Boots -- inner (leather or chemical resistant, steel toe and shank).

7.0 SITE CONTROL (WORK ZONES AND SECURITY MEASURES)

Safety rules and workplace restrictions that presently are in effect at the OSCO facility generally will be adequate to protect the investigation team. In addition, however, the SSO will designate the area around the drill rig as "off-limits" to all but authorized personnel.

8.0 DECONTAMINATION PROCEDURES

A temporary, lined decontamination pad will be constructed where drilling and development equipment and tools can be steam cleaned prior to use at each drilling location. The equipment also will be cleaned prior to leaving the site after completion of well installation/drilling activities.

Decontamination rinsate will be collected from the pad, analyzed for organic contaminants, and disposed of appropriately. Pre-operational and post-operational sampling of the soil beneath the pad will be performed to ensure the integrity of the liner.

Personnel clothing (e.g., Tyvek coveralls and gloves) will be disposed of on-site in designated containers. After installation of the wells, the contents of the containers will be removed to an appropriate off-site disposal facility.

9.0 GENERAL SAFE WORK PRACTICES

See Section 11.0 herein.

10.0 SANITATION

See Section 11.0 herein.

11.0 STANDARD OPERATING PROCEDURES

The Standard Operating Procedures (SOPs) that will be practiced during the investigation include:

- Unauthorized personnel will not be permitted near the drill sites
- Consumption of food and/or beverages will not be allowed in work areas
- Hands will be washed upon leaving the work area -- before eating, drinking, smoking, or other activities transpire.

It will be the responsibility of the SSO to ensure that each of the SOPs is followed. The SSO also will be responsible for enforcing the proper use of safety equipment.

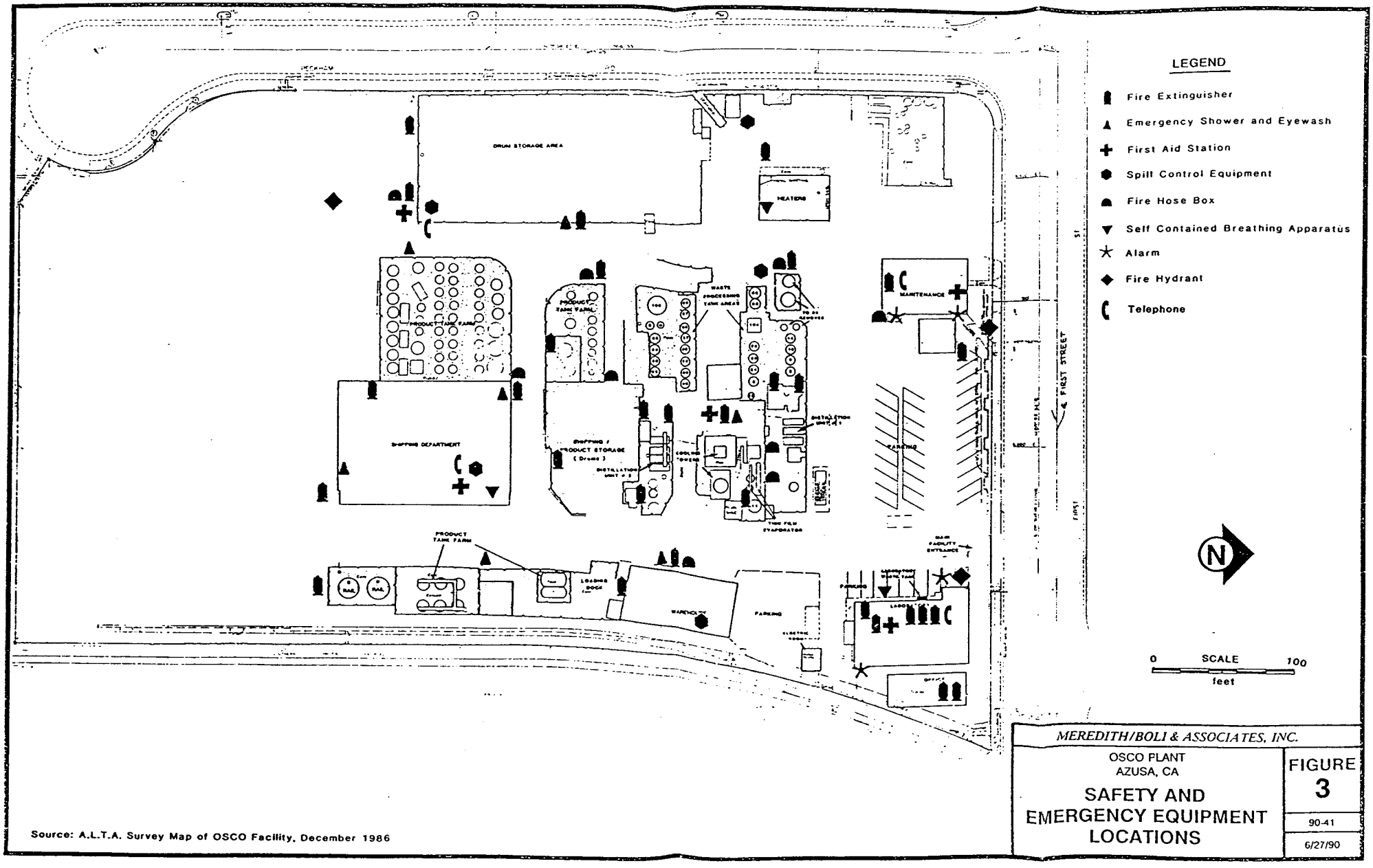
12.0 CONTINGENCY PLANS

The OSCO facility RCRA Contingency Plan will prevail for emergencies related to routine facility operations. Other contingency/emergency procedures are summarized on Table 3 herein.

TABLE 3

Emergency Planning Summary

Location of Nearest Phone: OSCO Plant Front Office (facing West First Street)
Nearest Water: See Figure 3 herein
Nearest First Aid Kit: See Figure 3 herein
Nearest Public Road/Intersection: Peckham Road and West First Street
Emergency Phone Number: 911
Local Police: (818) 334-2943
Local Ambulance: (818) 334-9311 (or 911)
Local Fire Department: (818) 334-9311
Nearest Doctor/Emergency Care Center: St. Teresita Hospital Address: 1210 Royal Oaks Drive, Azusa, California Phone Number: (818) 359-3243 Hours: 24 hours
Nearest Hospital: Same Address: Same Phone Number: (818) 359-3243
Nearest Medical Facility/Hospital Route (attach map with route highlighted; Figure 4 herein): go E on West First Street from the parking lot to Irwindale Avenue; go N on Irwindale Avenue to I-210; go W on I-210 to Mount Olive Drive exit; go N on Mount Olive Drive to Royal Oaks Drive; go W to 1210 Royal Oaks Drive.
PERSONAL HYGIENE: • Eating, drinking, chewing gum or tobacco, smoking, or any other practice that increases the probability of hand to mouth transfer and ingestion of material will be avoided in any area where the possibility of contamination exists. • Hands will be washed thoroughly upon leaving a contaminated or suspected contaminated area, before eating, drinking, or any other activities transpire. • Thorough washing of the entire body will be accomplished whenever decontamination procedures for outer garments are in effect.



Source: A.L.T.A. Survey Map of OSCO Facility, December 1986

MEREDITH/BOLI & ASSOCIATES, INC.

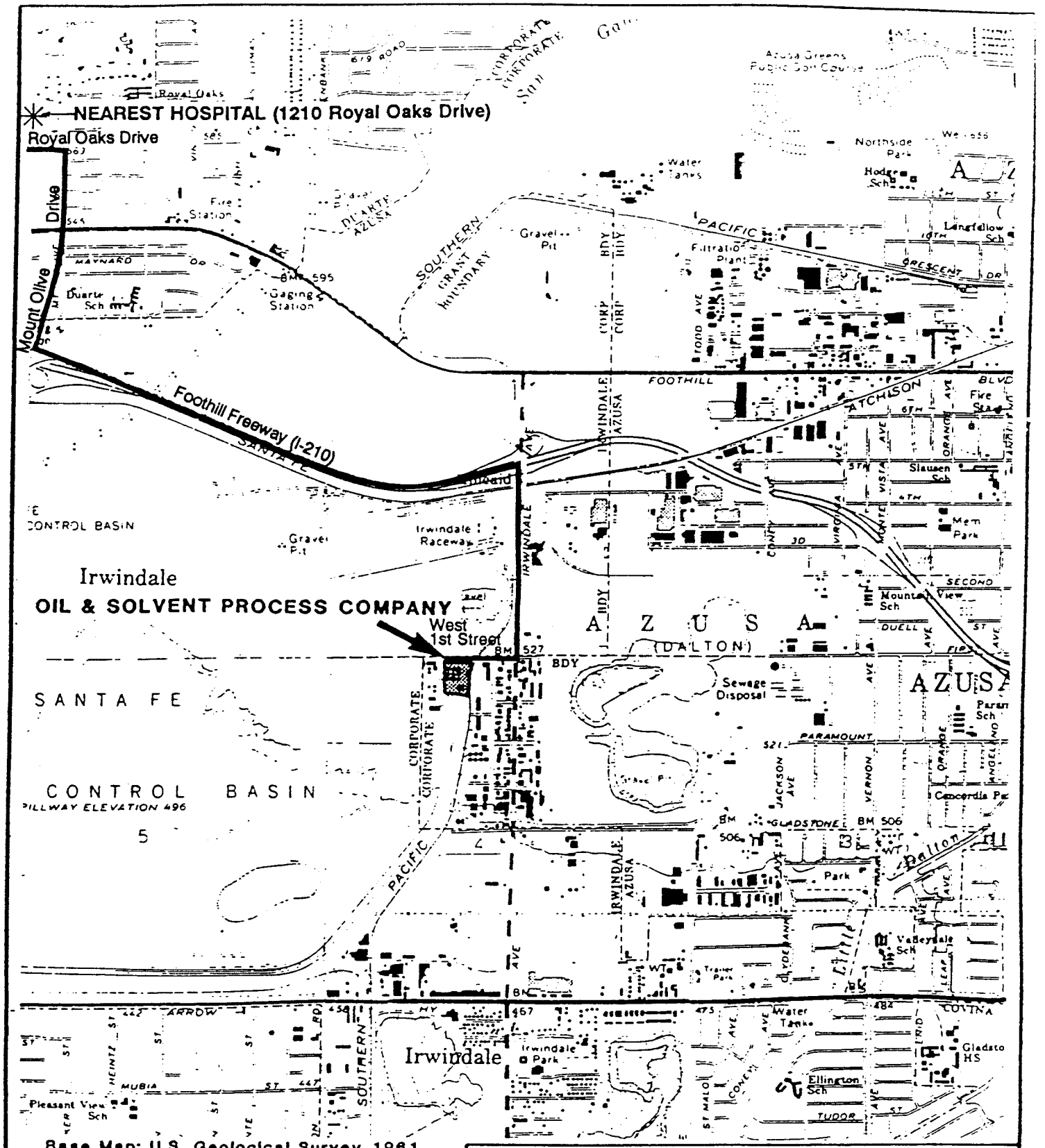
OSCO PLANT
AZUSA, CA

SAFETY AND EMERGENCY EQUIPMENT LOCATIONS

FIGURE 3

90-41

6/27/90



MEREDITH/BOLI & ASSOCIATES, INC.

NEAREST HOSPITAL ROUTE

FIGURE 4

2/7/91

SCALE IN FEET

0 1000 2000

N

13.0 TRAINING REQUIREMENTS

The SSO will review this SSHP and its provisions with involved personnel prior to the commencement of investigation activities. The SSO will discuss potential hazards associated with the site, safe work practices, and personnel hygiene. In addition, the SSO will provide personnel with instructions on the proper use and care of personnel protective equipment, including how to properly fit and test respiratory equipment. The SSO also will provide instructions on the use of on-site monitors. Instructions will include how to activate/deactivate the monitor to ensure its proper operation. Information on the limitations of available equipment also will be provided.

In addition, a Safety Meeting will be conducted by the Project Coordinator and/or the SSO. This meeting will be documented via the form provided as Table 4 herein.

TABLE 4

Safety Meeting Form

Facility:	Job Number:
Date:	Time:
Site Location:	
Type of Work:	
Chemicals:	
SAFETY TOPICS PRESENTED	
Protective Clothing/Equipment:	
Chemical Hazards:	
Physical Hazards:	
Environmental Hazards:	
Emergency Procedures:	
Nearest Hospital/Clinic:	
Phone:	Paramedics Phone:
Special Equipment:	
Other:	
ATTENDEES	
Name Printed	Signature
Meeting Conducted by:	
Supervisor:	

14.0 MEDICAL SURVEILLANCE PROGRAM

All investigation team participants have undergone the required OSHA-approved safety training and medical surveillance program (e.g., baseline physicals, etc.) pursuant to 29 CFR 1910.120(f). Should the SSO determine that respirators are required to safeguard the health of involved personnel, no one will be assigned to tasks requiring their use unless it has been determined that the involved personnel are physically able to perform the work while using the required respiratory equipment.

15.0 DOCUMENTATION

All State and Federal recordkeeping requirements will be instituted for this investigation. These include:

- Worker exposure monitoring
- Medical surveillance
- Training
- Respiratory protection
- On-site injuries/illnesses.

APPENDIX A

SAFETY AND HEALTH RULES FOR OUTSIDE CONTRACTORS

All federal, state, and local safety and health regulations and all Chemical Waste Management safety and health rules must be strictly observed by employees of outside contractors. Contractor supervisors shall ensure that all of their employees are aware of and comply with these rules and regulations. VIOLATORS WILL NOT BE PERMITTED TO WORK AT THE OSCO FACILITY.

I. SMOKING

The entire operation is considered a "No Smoking" area. "Designated Smoking Areas" are posted outside the disposal site. NO butane lighters ("Bic", "Cricket", etc.) may be used or carried by any person engaged in welding, cutting, or burning activities.

II. SAFETY PERMITS

Safety permits must be obtained for the following operation BEFORE work begins.

A. Burning and Welding Permits: required for any burning, cutting, or welding at any Chemical Waste Management Facility. Is also required for spark-producing operations such as using electric power tools, gasoline powered motors, jack hammers, etc. One or more men may be required to serve as a fire watch during these activities. Contact the operations supervisor in charge to obtain a Burning and Welding Permit.

B. Lockout Permit: required for work on any equipment that could cause injuries if started accidentally.

C. Confined Space Entry Permit: required for any workers who must enter a confined space. Confined spaces must allowed to enter them. Life lines, harnesses, and observer will be required for all confined space entries.

D. Other Permits: may be required for special procedures or unusual work conditions. Contact the CWM operations supervisor for the specific area where the work is to be performed.

CWM staff will make every effort to provide the necessary permits as expeditiously as possible. All permits must be returned to the CWM supervisor for the work area at the end of the work shift.

III. HOUSEKEEPING

Work areas must be cleaned and all debris disposed of at least daily. Equipment and supplies must be stored neatly. Aisles, passageways, roadways, fire, and other emergency equipment access must be kept clear at all times. Contact the CWM supervisor for the work area before work begins to arrange for equipment storage. CWM is not responsible for loss of theft.

All equipment and vehicles shall be decontaminated prior to leaving the operations areas as applicable. Contact the operation supervisor in the work area for decontamination instructions.

IV. SAFETY SUPPLIES AND PERSONAL PROTECTIVE EQUIPMENT

A. Approved safety glasses and hard hats are required but not provided by CWM for outside contractor employees. Contractors must supply their employees with safety glasses and hard hats and enforce the wearing of these items. Hard hats and safety glasses must be worn within the gated areas of the site at all times.

B. Complete outer clothing with long sleeves and long pants is required. No "T" shirts or shorts are permitted. Employees wearing disposable clothing such as "Tyvek" must wear shirts, pants and socks underneath their disposable clothing. Hard, impenetrable safety shoes or boots (leather or vinyl only) are also required.

C. CWM does not provide other safety supplies such as gloves, face shields, goggles, fire extinguisher, and protective clothing for outside contractors. Equipment such as ladders, welding equipment, scaffolds, machinery, tools, vehicles, etc. are not loaned to outside contractors. Discuss any special requirements with the CWM operations supervisor for the specific work area.

D. Respiratory protection must be worn by employees in certain areas. Each employee must carry his respirator on his person at all times while working on the active disposal site. Contractors must supply their employees with adequate respiratory protection and train them in the proper use of these respirators. At CWM management's request, documentation of training must be submitted; indicating the names of all employees trained and the manufacturer and model of respiratory equipment for which they have been trained. CWM does not provide respirators or training for outside contractors. Facial hair shall be styled in such a manner so that the respirator will make a complete seal against the employee's face.

RECOMMENDED PHYSICAL EXAMINATION

CONTRACTOR EMPLOYEES

CONTENT

Medical History
Occupational History
Physical Examination
Audiogram
EKG (for those over 39 years old)
Urinalysis
Pulmonary Function Tests
Chest x-ray, PA only
Spinal x-ray
Venipuncture-

Complete Blood Count
Chemistry Screen (including sodium, potassium, chloride, bicarbonate, albumin, globulin, total protein, BUN, creatinine, calcium, phosphorus, uric acid, SGOT, SGPT, LDH, bilirubin, alkaline phosphatase, cholesterol, triglycerides, and glucose).

V. EMERGENCY CONDITIONS

In an emergency, contractor employees will follow instructions given by any supervisory employee of Chemical Waste Management.

VI. OTHER GENERAL SAFETY RULES

A. Compressed gas cylinders must be transported, stored, and used in an upright position. All cylinders shall be secured by a chain, or equivalent, with protective caps installed during transit and storage. Cylinder valves shall be closed as soon as work is completed. Oxygen cylinders shall be stored a minimum of 20 feet from fuel gas (acetylene, hydrogen, etc.) cylinders.

B. When overhead work is necessary, proper precautions must be taken to prevent falls of persons and material. The area underneath the work operation shall be roped off and labeled with appropriate warning signs.

C. Flammable liquids shall be stored in and dispensed from approved containers.

D. Ladders must be in good condition and must be made secure near the top. Scaffolding shall be of substantial construction with guardrails and tow boards installed.

E. Posted traffic control signs must be obeyed and all vehicles must be kept in safe operating condition.

F. Do not shut off or make connections to electric, gas, air, water, or process lines without prior authorization from CWM operation supervisory personnel. Ground fault interrupter circuit (GFIC) must be used with electrical equipment in wet areas.

G. Safety barricades must be put in place at open manholes, floor holes, catch basins, and excavations. Appropriate lights must be installed if holes are to be left open after daylight hours.

H. Contractor personnel shall not enter any building or area other than the one in which they are working except to use designated toilet facilities.

I. Eating and drinking are allowed in <u>designated lunchrooms and break areas only</u>. No eating, drinking, or chewing is permitted in any other area.

J. No firearms are allowed on CWM property for any reason. No alcoholic beverages or drugs are allowed on site. Violation of these rules will be grounds for immediate expulsion from the facility.

ATTACHMENT I

CONTRACTORS SAFETY PROCEDURE

As the duly authorized and designated representative and agent of _____, herein after called "contractor", I hereby certify and agree for myself and on behalf ofthe Contractor that:

* Contractor has received an orientation briefing by OSCO including, but not limited to, site-specific safety rules, accident/injury reporting, emergency procedures and potential hazards in the Contractor's work area during routine site operations;

* Contractor will instruct all of its agents and employees in the topics covered at the above orientation, before they are allowed to work on-site;

* Contractor has received a written copy of the site specific safety rules and will ensure that its employees and agents comply with those rules, as well as any applicable federal, state and local health and safety regulations;

* Contractor will provide required respirators and personnel protective equipment for its employees and agents working on OSCO property;

* Contractor employees have been examined within the past 12 months and have been medically qualified to perform their work assignments (including the wearing of respirators and personnel protective equipment), in accordance with state and federal OSHA regulations;

* Contractor employees have received training in appropriate health and safety topics (including, but not limited to, respiratory protection, hearing conservation, hazard communication and equipment operation), in accordance with state and federal OSHA regulations; and

* Contractor performs regularly scheduled maintenance on owned or leased vehicles and equipment, as per state and federal OSHA regulations (29 CFR 1910 and 1926; Title B of California Administrative Code). Known defects will be repaired prior to operation and, as defects become apparent during equipment operation, the equipment will be taken out of service until repairs are made.

This declaration is hereby incorporated into the Contractual agreement with_____, which is dated_____.

_____ _____

Contractor's Representative Date:

_____ _____

OSCO Employee giving Orientation Date:

VII. MEDICAL REQUIREMENTS

Pre and post-employment physical examinations may be required. The minimum physical examination requirements would include a hands-on physical by a qualified physician, pulmonary function testing, and blood tests including a complete blood count and SMA-24. Contact the facility General Manager for clarification.

IX. DOCUMENTATION REQUIREMENTS

A. All accidents occurring on CWM property must be reported to the CWM supervisor immediately. At management's request, documentation must be submitted showing accident investigation by the contractor or his designee and any disciplinary action resulting from the investigation.

B. Safety meetings must be held on a regular basis to comply with OSHA regulations. At management's request, documentation must be submitted showing proof of employee training and attendance at safety facility.

C. Certificates of the insurance must be provided prior to beginning work at a CWM facility.

D. For contractors performing any remedial work, cleaning activity, or general earthmoving at CWM facilities where the use of heavy equipment is required, the contractor must agree in writing that maintenance and inspection is performed on his equipment on a regularly scheduled basis as per 29CFR1926.602; and that defects will be repaired prior to operation or the equipment will be taken out of service until repairs are made.

The above rules are specified to protect you and your fellow workers and are a requirement for working at CWM facilities.

NOTE: These safety and health rules are a CWM corporate policy. There may be variations in the rules and regulations at specific CWM facilities. Contact the Project Manager of the job in question for clarification of local rules applicable to the work.

RECORDS SEPARATOR PAGE

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Chemical Waste Management, Inc.

4227 Technology Drive
Fremont, California 94538-6337
415/651-2964

RECEIVED
SEP 24 1991

September 23, 1991

Mr. Jeffrey Zelikson
Director
U.S. Environmental Protection Agency
Region IX
75 Hawthorne Street
Mail Code H-4-6
San Francisco, California 94105

Mr. Dennis Dickerson
Regional Administrator
California EPA, Department of Toxic Substances Control,
Region III
1405 North San Fernando Boulevard, Suite 300
Burbank, California 91504

Subject: Oil & Solvent Process Company (OSCO), Azusa, California
CAD 008302903 RCRA Facility Investigation (RFI)
Proposed Variances to the Groundwater Monitoring Plan

Gentlemen:

In accordance with RCRA Part B Permit Condition VI.6.E, Chemical Waste Management, Inc. (CWM) is preparing a Groundwater Monitoring Plan for the OSCO facility. The Groundwater Monitoring Plan will describe project management, well installation, well development, and groundwater sampling and analyses tasks.

Groundwater monitoring constitutes Phase III of the RFI. Permit specifications for Phase III were established prior to field investigations. Since that time, RFI Phases I (Shallow Soil Vapor Survey and Test Pits) and II (Deep Soil Sampling) have been completed.

Based on regional data and data obtained during the installation of nine Deep Soil Borings, OSCO/CWM requests variances to several specific procedures and methods in the Part B Permit Groundwater Monitoring Plan guidelines.

The forthcoming Groundwater Monitoring Plan will reflect the changes proposed herein. The proposed changes, or permit variances, are described in the remainder of this letter and summarized in Table 1.

WELL LOCATIONS

The permit specified the locations of three groundwater monitoring wells at the facility: 1) in the southeast corner; 2) on the western boundary (Deep Soil Boring 3); and 3) immediately south of Distillation Unit 1 (Deep Soil Boring 2).

As originally envisioned, the groundwater monitoring wells were to be installed in three Deep Soil Borings. However, these, and/or six other deep borings used to investigate the vadose zone were completed as vapor sampling wells. Groundwater monitoring wells were then planned solely to investigate groundwater conditions.

CWM has reviewed 1985 through 1987 groundwater elevation data collected from Wells 1, 2, and 3 at the Azusa Western Landfill. Wells 1, 2 and 3 are located approximately 2,000 feet southeast, 3,000 feet southeast, and 1,500 feet northeast, respectively, of the OSCO facility (Drawing 1). The screened intervals of these wells are similar to those anticipated at the OSCO facility.

Analysis of monthly groundwater elevation data reveals a range of flow directions between west-southwest and south-southeast. The predominant gradient directions are west-southwest and southwest and occur during the drier months of the year. During wet months, the flow in the San Gabriel River and retention in the Santa Fe Flood Control Basin contribute a southerly component to groundwater flow direction.

CWM's well placement strategy is to determine the groundwater quality entering and leaving the OSCO facility boundaries. Existing local and regional data indicate that groundwater quality is potentially degraded by operations at nearby facilities. Twenty facilities, many in the upgradient direction, are being investigated by the Regional Water Quality Control Board (RWQCB) (Drawing 2). OSCO facility upgradient wells will determine if neighboring facilities have degraded groundwater before it flows beneath the OSCO facility. OSCO facility downgradient wells will determine if OSCO operations have affected groundwater quality.

Proposed well locations are shown in Drawing 3. Wells 1 and 2 are upgradient wells. Well 1 will be located near the main entrance of the facility, at the northern property boundary.

Well 2 will be located east of the operational portion of the OSCO facility. Wells 3 and 4 will serve as downgradient monitoring points, located on the western and southwestern property boundary.

DRILLING TECHNIQUE

The permit specified installation of groundwater monitoring wells using dual wall reverse air circulation with down-hole percussion hammer. This method, among others, was used to install the Phase II Deep Soil Borings at the OSCO facility. This method did not extend beyond 197-feet below ground surface (bgs).

CWM proposes mud rotary drilling to install the monitoring wells. Drilling mud will provide fluid viscosity capable of lifting cuttings from the borehole. Mud cake buildup on the boring walls will maintain borehole integrity without the need for driven conductor casing.

WELL CONSTRUCTION

The permit specified monitoring wells constructed of 8-inch diameter mild steel casing, and 304 stainless steel screen.

CWM proposes using 4 inch diameter, flush threaded, mild steel casing and stainless steel screen.

The change in casing diameter will reduce installation and material costs, and lessen the volume of drill cutting and development/purge water waste. Groundwater sample quality will not be degraded.

ANNULAR SEAL

The permit specified a 5-foot bentonite seal above the gravel pack. The annular space above the bentonite seal was specified as a 90% cement/10% bentonite grout mix.

CWM proposes to use a grout mix of 97% cement/3% bentonite. This mixture is consistent with California Department of Water Resources Well Standards.

PUMP INSTALLATION AND WELL HEAD COMPLETION

The permit required that after development, a submersible pump be installed temporarily in each well. Specific capacity tests were to be conducted, with the results used to plan aquifer tests and determine the size and type of dedicated sampling pumps. Specifications were proposed for pump hardware.

CWM proposes to eliminate testing for specific capacity and sampling pump determination. CWM will install positive displacement, dedicated pumps to produce quality water samples. Anticipated well yields for selecting pumps are discussed in the following section. Water level responses measured during development will be used to select purge/sample pumps. Dedicated water level measurement devices will be installed.

AQUIFER TESTING

The permit specified thát aquifer tests be conducted after installation and development of the monitoring wells. Measurement of drawdown in wells potentially influenced by pumping was prescribed. Appropriate testing and analyses were to determine hydraulic conductivity and storativity, and verify that the wells would produce adequate water flow for sampling.

Hydraulic conductivity values in San Gabriel Basin were presented in CH2M Hill, 1986 (Attachment 1). By order of magnitude, referenced values ranged from 10^1 to 10^2 feet/day in 16 aquifer tests conducted by the California Department of Water Resources. Another regional study cited by CH2M Hill consisted 54 specific capacity
tests. The range of hydraulic conductivity values of the specific capacity tests ranged from 10^1 to 10^2 feet/day. Estimates of hydraulic conductivity based on lithologic logs were prepared by CH2M Hill. Values of 270 feet/day for gravel and 135 feet/day for sand and gravel aquifers were estimated. These are the predominant lithologies observed beneath the OSCO facility during installation of the Deep Soil Borings.

Groundwater Well Drillers Reports and development pumping and drawdown data (Attachment 2) from Azusa Western Landfill Wells 1, 2, and 3 were presented in a consultant's report (LeRoy Crandall and Associates, 1986). The well logs described

boulders, cobbles, gravel and sand as the dominant lithology. Minor thicknesses of clay (less than 5 feet) were reported in Well 1.

Water was extracted at rates of 110 to 120 gallons per minute from each landfill well during development. Water level drawdowns were not observed in any well during development pumping.

The proximity and similar lithology of OSCO Deep Soil Borings and landfill wells strongly suggest that OSCO groundwater wells will be screened in aquifer material with similar hydrogeologic properties and capable of yielding adequate flow for groundwater samples.

The permit specified aquifer tests for each well would require 24-hours of pumping in excess of 100-gallons per minute. This would yield a minimum of 144,000 gallons of water requiring disposal. The test results are not likely to yield conductivity results significantly different than those described above.

CWM contends that groundwater well boring lithology will not differ sharply from that recorded in the deep soil borings and at other wells in the vicinity. No benefit would be derived by performing aquifer tests. Therefore, CWM proposes the elimination of aquifer testing.

WATER LEVEL MONITORING

The permit specified measurement of twelve wells within one mile of the OSCO facility. The specific wells were not indicated.

CWM proposes review RWQCB files to locate wells within one mile from the OSCO facility, with screened intervals similar to those planned at OSCO (approximately 300 to 350 feet bgs). After OSCO facility wells are installed, CWM will attempt to access up to twelve of these wells to measure water levels.

SAMPLING WHILE DRILLING

The permit specified soil sampling at specific depths during monitoring well installation at OSCO facility "hot spots". These "hot spot" borings were completed as Deep Soil

Borings, not monitoring wells. Having investigated the vadose zone, groundwater monitoring wells do not need to function as subsurface investigation borings and can be sited exclusively to accommodated groundwater monitoring needs.

CWM proposes elimination of soil sampling for chemical analyses during well installation. Proposed well locations are either near Deep Soil Boring sites or at sites with no suspect surface releases. Furthermore, it is questionable whether undisturbed, representative soil samples can be collected effectively with the proposed drilling method (i.e. mud rotary) needed to complete the monitoring wells.

SAMPLING DURING AQUIFER TESTING

The permit specified collection of groundwater samples during aquifer tests and analyses for Volatile Organic Compounds (VOCs).

CWM's proposal for eliminating aquifer testing is described above. If aquifer testing is ultimately required by the agencies, groundwater samples would be collected from water discharged by submersible pumps at rates potentially in excess of 100-gallons per minute. Cavitation and agitation during pumping will severely degrade sample quality, particularly for VOC analyses. Furthermore, the significance of time series sampling is questionable.

CWM proposes the elimination of sampling during aquifer testing.

SUMMARY

The proposed variances are founded on knowledge and experience realized during Phase I and II RFI activities, and other evidence that characterizes the aquifer beneath the OSCO facility. The improved understanding of subsurface conditions makes us confident that our proposals are reasonable, appropriate, and based on sound engineering principles.

CWM is preparing the Groundwater Monitoring Plan, and committed to the October 14, 1991 delivery date to the agencies. To maintain that schedule, we request your earliest review and comment.

We certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on our inquiry of the person or persons who manage the system or those directly responsible for gathering information, the information submitted is to the best of our knowledge and belief, true, accurate, and complete. We are aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please contact us at (510) 651-2964.

Sincerely,

CHEMICAL WASTE MANAGEMENT, INC.

for

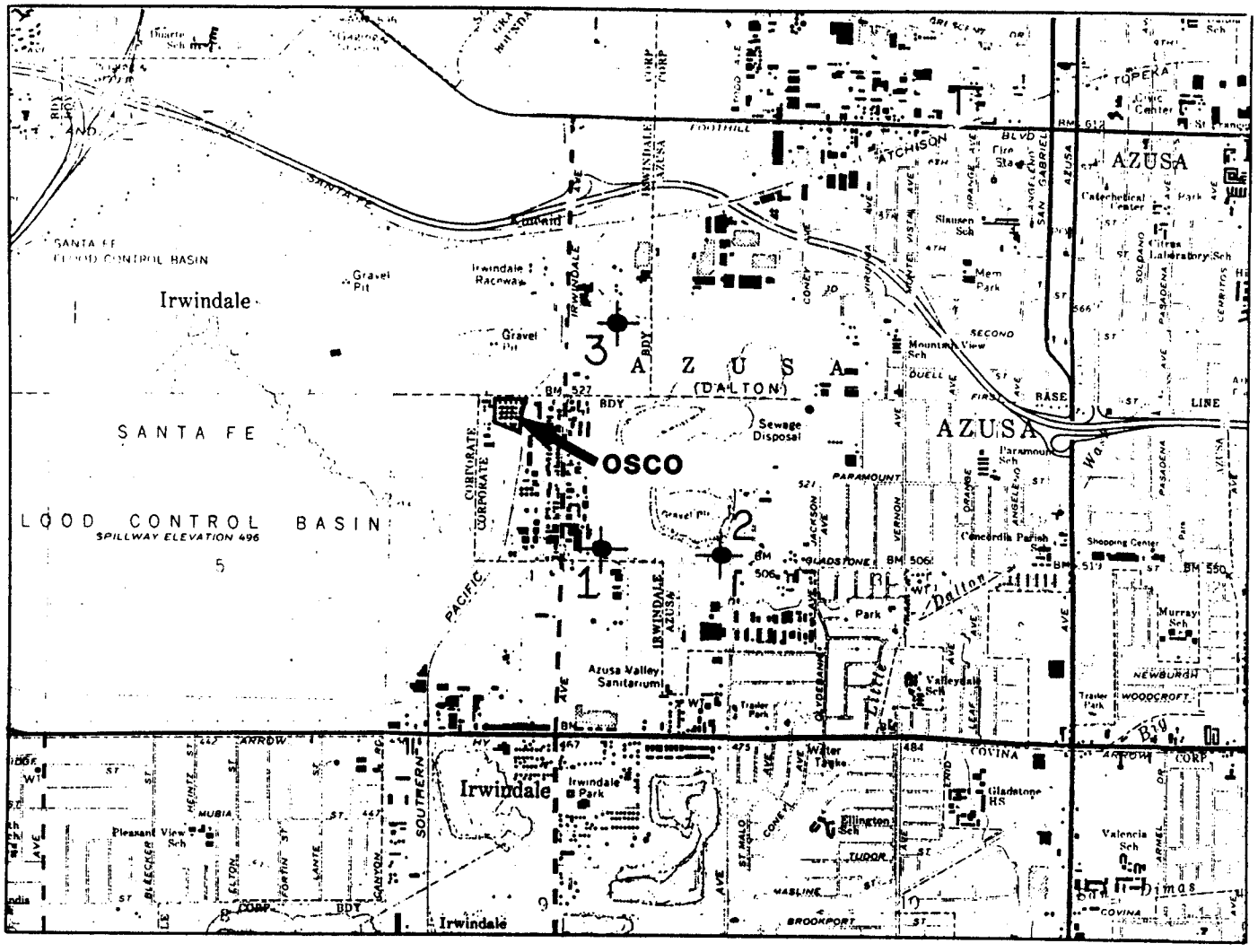
M. Lee Dodge, P.E.
Project Manager

Marc Yalom, R.G.
Regional Hydrogeologist

MIY/lmc

Enclosures:
Drawings (3)
Attachments (2)

cc: Ron Cavagrotti, Meredith/Boli & Assoc.
Michael Cloud, Meredith/Boli & Assoc.
Richard Gurske, CWM
Joseph Pizzutto, CWM
Sunita Sharma, OSCO/Azusa
Terry Virnig, CWM
File # 05-330.06

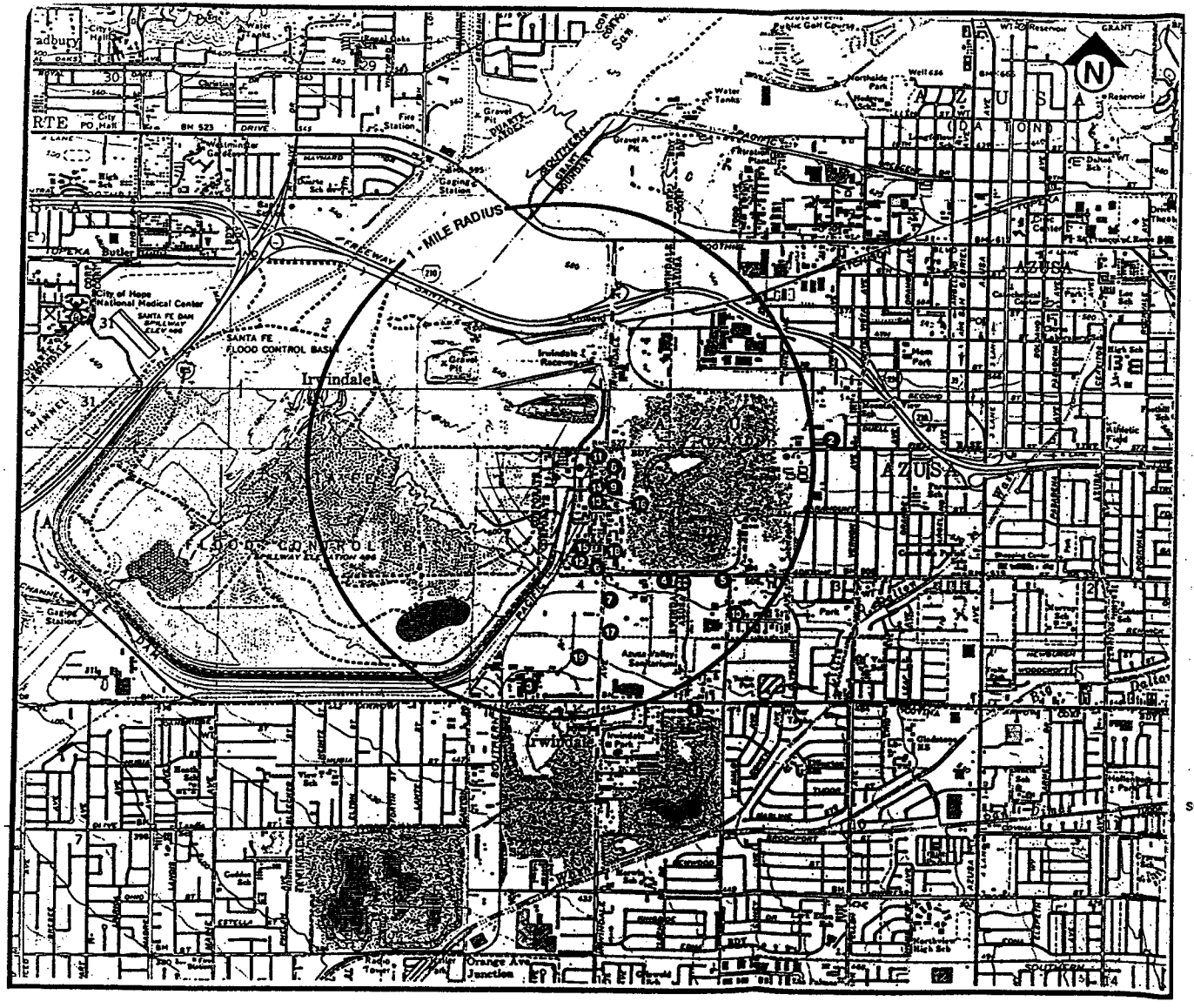


SCALE

0 (FEET) 5000

DRAWING 1

AZUSA WESTERN LANDFILL WELL LOCATIONS



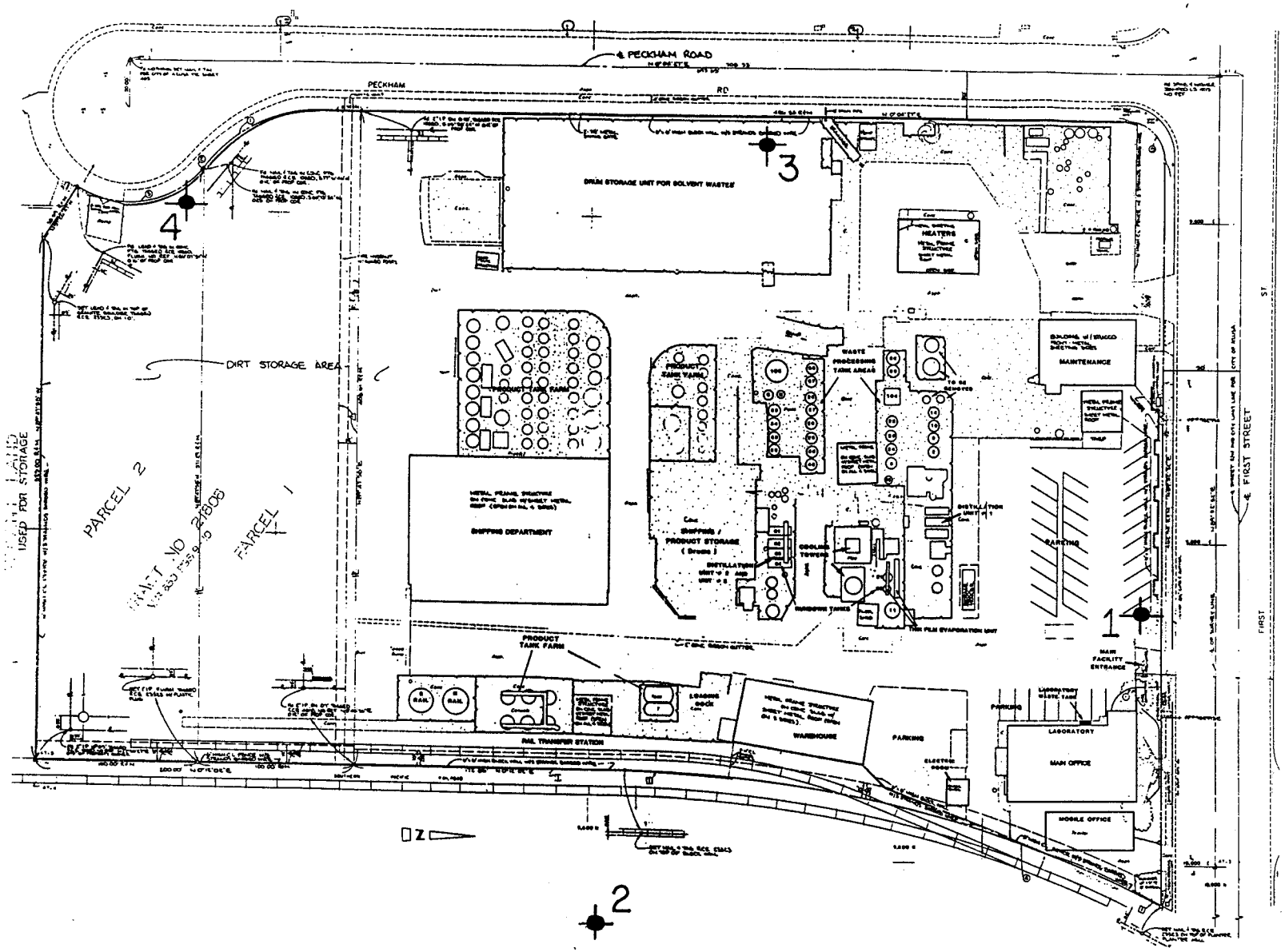
1. Rite-On Screw Products, Inc.
2. Screwmatic, Inc.
3. Speciality Organics, Inc.
4. Alpha Enterprises
5. Transit Mixed Concrete Co.
6. Davis Walker Corp.
7. TRW Technar, Inc.
8. Industrial Transmission & Machinery
9. RPM-Merit, Inc.
10. Textone, Inc.
11. Azusa Salvage
12. Clemar Manufacturing Corp.
13. Reichhold Chemicals, Inc.
14. Noram Corp.
15. The Norac Co.
16. Sanwa Bank
17. Fey Manufacturing Co., Inc.
18. Metro Steel Building, Inc.
19. J&N Plastic Products Corp.
20. Pacific Precision Metals

BASE MAP: U.S. Geologic Survey 7.5 Minute Series
Baldwin Park, CA Quadrangle
1966, photorevised 1988.

SCALE 0 1/2 1 MILE

DRAWING 2

AZUSA FACILITIES UNDER REGIONAL BOARD INVESTIGATION



DRAWING 3

OSCO FACILITY PROPOSED WELL LOCATIONS

TABLE 1

SUMMARY OF REQUESTED VARIANCES

Permit Section	Activity/ Application	Permit Requirement	Requested Variation
		----- PERMIT PART VI -----	
6.E.a.i	Number of Wells	Three	Four
	Location Wells	(See Permit Drawing)	(See Drawing 3)
		----- PERMIT ATTACHMENT D -----	
E.1.a	Drilling Technique	Dual Tube Reverse Air Circulation/ Percussion Hammer	Mud Rotary
E.1.b	Well Construction	8" Diameter Steel Casing	4-5" Diameter Steel Casing
	Annular Seal	90% Cement/ 10% Bentonite	97% Cement/ 3% Bentonite
E.1.d	Pump Installation/ Well Head Completion	Specific Yield Tests	Omit Specific Yield Tests
		Specified Sampling Equipment	Appropriate Sampling Equipment
E.2	Aquifer Testing	Perform Aquifer Tests	Omit Aquifer Tests
E.3.a	Water Level Monitoring	Monitor 12 Nearby Wells	Monitor Maximum 12 Nearby Wells of Similar Screen Interval
E.3.b	Sampling While Drilling	Collect/ Analyze Soil Samples	Omit Soil Sample Collection/ Analyses
E.3.c	Sampling During Aquifer Testing	Collect/ Analyze Groundwater Samples	Omit Groundwater Sample Collection/ Analyses

ATTACHMENT 1
REFERENCES

LeRoy Crandall and Associates, 1986. Proposed monitoring program for solid waste water quality assessment test (SWAT proposal), Azusa Land Reclamation Landfill, Azusa, California, for the Azusa Land Reclamation Company, dated June 27, 1986.

CH2M Hill, 1988. Draft San Gabriel supplemental sampling plan report, San Gabriel Basin, Los Angeles, California. Document WA 105.9L27.1, dated May 19, 1986.

ATTACHMENT 2
WELL DRILLERS REPORTS
AND
PUMP/DRAWDOWN DATA

AZUSA WESTERN LANDFILL

RIGINAL

File with DWR

Use of Interest No. Customer

Local Permit No. or Date Customer

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in

No. 127498

State Well No.

Other Well No.

) OWNER: Name Azusa Western Landfill
Address 1201 W. Gladstone
City Azusa, CA 91702 Zip

) LOCATION OF WELL (See instructions):
County Los Angeles ? Owner's Well Number #1
Well address if different from above
Township Range Section
Nearest town, cities, roads, railroads, fences, etc.

WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☐
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other Monitoring ☒

EQUIPMENT:
Rotary ☒ Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☒ No ☐ Size Bridgeye
Diameter of hole 12¼
Packed from 50 to 350 ft.

CASING INSTALLED:
Steel ☒ Plastic ☐ Concrete ☐

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	145	8 5/8	3/16	145	350	.040 x 2

) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 50 ft.
Was seal grouted against pollution? Yes ☒ No ☐ Interval 140-130 ft.
Kind of seal Gel pellets

(10) WATER LEVELS:
Depth of first water, if known ft.
Static level after well completion ft.

) WELL TESTS:
Was a well test made? Yes ☐ No ☐ If yes, by whom?
Type of test Pump ☐ Bailer ☐ Air lift ☐
Depth to water at start of test ft. At end of test ft.
Yield ___ gal/min after ___ hours Water temperature
Chemical analysis made? Yes ☐ No ☐ If yes, by whom?
Was electric log made? Yes ☐ No ☐ If yes, attach copy to this report

(12) WELL LOG: Total depth ft. Depth of completed well ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	327	Boulders, cobbles, sand & gravel.
XXXX	XXX	
327	329	Brown clay
329	332	Med sand with 20% clay.
332	350	Boulders, cobbles, sand & gravel.

Work started 7-2 1984 Completed 7-13 1984

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Signature Norman V. Howard (Well Driller)
NAME Howard Pump, Inc. (Person, firm, or corporation) (Typed or printed)
Address 28753 W. Hwy 58
City Barstow, CA Zip 92311
License No. 281814 Date of this report 7-16-84

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

HOWARD PUMP, INC.
TEST PUMP DATA

NAME Azusa Western Landfill WELL DESIGNATION/LOCATION Gladstone #1 STATIC WATER LEVEL 231.6

ADDRESS 1201 W. Gladstone WELL DIAMETER 8" AIRLINE 294'

Azusa, California 91702 WELL DEPTH 353.7 PUMP SETTING 300'

LENGTH OF TEST IN HOURS 8 TEST SHEET OF

DATE/ TIME 8-1-84	SPECIFIC CAPACITY	DISCHARGE RATE	DRAWDOWN	PUMPING LEVEL	SAND CONTENT	REMARKS
2:30		40	0	231.6		Surged, didn't get dirty no sand visible.
2:40		40	0	231		Surged, didn't get dirty, not smelly.
2:45		40	0	231.6		Surged, didn't get dirty, no oil sheen visible.
3:00		40	0	231.6		Surged.
3:15		40	0	231.6		
3:30		120	0	231.6		Raised volt to 280/amps to 36/GPM to 120.
3:45		120	0	231.6		Surged, no change in water clarity, no sand or smell.
4:00		120	0	231.6		
4:15		120	0	231.6		
4:30		120	0	231.6		Surged, no change.
4:45		120	0	231.6		
5:00		120	0	231.6		Sopped for the day.
8-2-84						
7:30		120	0	231.6		
7:45		120	0	231.6		Surged it twice, got dirty for a second then cleared.
8:00		120		231.6		No sand visible.
8:15		120		231.6		Everything running smoothly, no change.
8:30		120		231.6		No change.
8:45		120		231.6		Still no change.
9:00		120		231.6		Surged it once, water stayed clear, no sand.
9:15		120		231.6		No change.

"WAR" "JMP, ""C.
TEST PUMP DATA

NAME Azusa Western Landfill WELL DESIGNATION/LOCATION Gladstone #1 STATIC WATER LEVEL 231.6

ADDRESS 1201 W. Gladstone WELL DIAMETER 8" AIRLINE 294'

Azusa, California 91702 WELL DEPTH 353.7 PUMP SETTING 300'

LENGTH OF TEST IN HOURS 8 TEST SHEET OF

DATE/ TIME 8-2-84	SPECIFIC CAPACITY	DISCHARGE RATE	DRAWDOWN	PUMPING LEVEL	SAND CONTENT	REMARKS
9:30		120		231.6		No change, no odor.
9:45		120		231.6		No change, took water sample, nothing visible.
10:00		120		231.6		Surged, clear water, no sand, tastes terrible.
10:15		120		231.6		No change.
10:30		120		231.6		Surged for Joan, no change.
10:45		120		231.6		Same, no sand visible.
11:00		120		231.6		Nothing changes ever.
11:15		120		231.6		Same.
11:30		120		231.6		Surged, water remained clear.
11:45		120		231.6		No change.
12:00		120		231.6		No change.
12:15		120		231.6		No change.
12:30		120		231.6		No chagne.
12:45		120		231.6		Surged, water remained clear.
1:00		120		231.6		Stopped test.

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in
No. 158055

State Well No.
Other Well No.

Local Permit No. or Date: Customer

(1) OWNER: Name: Azusa Western Landfill
Address: 1201 W. Gladstone
City: Azusa, CA 91702 Zip:

(2) LOCATION OF WELL (See instructions):
County: Los Angeles, Owner's Well Number: #2
Well address if different from above:
Township: Range: Section:
Distance from cities, roads, railroads, fences, etc.:

WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☐
Industrial ☐
Test Well ☒
Stock ☐
Municipal ☐
Other ☐

(5) EQUIPMENT:
Rotary ☒ Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☒ No ☐ Size: Birdseye
Diameter of bore: XXXX 12¼"
Packed from: 50 to: 350 ft.

(7) CASING INSTALLED:
Steel ☒ Plastic ☐ Concrete ☐

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	145	8 5/8		145	350	

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth: 50 ft.
Was water strata sealed against pollution? Yes ☒ No ☐ Interval: 145 ft.
Method of sealing: Extra gel seal

(10) WATER LEVELS:
Depth of first water, if known: ft.
Standing level after well completion: ft.

(11) WELL TESTS:
Was a well test made? Yes ☐ No ☐ If yes, by whom?
Type of test: Pump ☐ Bailer ☐ Air lift ☐
Depth to water at start of test: ft. At end of test: ft.
Discharge: gal/min after hours Water temperature:
Chemical analysis made? Yes ☐ No ☐ If yes, by whom?
Was electric log made? Yes ☐ No ☐ If yes, attach copy to this report

(12) WELL LOG: Total depth: ft. Depth of completed well: ft.

from ft.	to ft.	Formation (Describe by color, character, size of material)
0	350	Boulders, cobbles, gravel and sand.

Work started: 19 Completed: 19

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Signed: Norman V. Howard (Well Driller)
Name: Howard Pump, Inc. (Person, firm, or corporation) (Typed or printed)
Address: 28753 W. Hwy 58
City: Barstow, CA Zip: 92311
License No.: 281814 Date of this report: 8-10-84

DWR 188 (REV 7-74) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

HOWARD PUMP, INC.
TEST PUMP DATA

NAME Azusa Western Landfill WELL DESIGNATION/LOCATION Gladstone ~~#1~~ 2 STATIC WATER LEVEL 252.42

ADDRESS 1201 W. Gladstone WELL DIAMETER 8" AIRLINE 294'

Azusa, California 91702 WELL DEPTH PUMP SETTING 300'

LENGTH OF TEST IN HOURS TEST SHEET OF

DATE/ TIME 8-13-84	SPECIFIC CAPACITY	DISCHARGE RATE	DRAWDOWN	PUMPING LEVEL	SAND CONTENT	REMARKS
9:00		110		252.42		Greenish water.
9:15		110		252.42		400' of 6" pipe to get to hole for discharge.
9:30		110		252.42		Cleaning up very well, slight sand.
10:00		110		252.42		No draw down, 110 GPM.
10:30		110		252.42		Water clearing.
11:00		110		252.42	None	Crystal clear discharge.
11:30		110		252.42		Engine running fine.
12:00		110		252.42		Filled hole dug for discharge, dug second hole.
12:30		110		252.42		
1:00		110		252.42	None	Crystal clear discharge.
1:30		110		252.42		
2:00		110		252.42		110 gallon per minute, no draw down.
2:30		110		252.42		
3:00		110		252.42		Clear discharge.
3:30		110		252.42	None	
4:00		110		252.42		110 GPM.
4:30		110		252.42		Engine running fine.
5:00		110		252.42		

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in
No. 158054

Notice of Intent No. Customer
Local Permit No. or Date Customer

State Well No.
Other Well No.

(1) OWNER: Name Azusa Western Landfill
Address 1201 W. Gladstone
City Azusa, CA 91702 Zip

(2) LOCATION OF WELL (See instructions):
County Los Angeles Owner's Well Number #3
Well address if different from above
Township Range Section
Distance from cities, roads, railroads, fences, etc.

WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well XX Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☐
Industrial ☐
Test Well ☒
Stock ☐
Municipal ☐
Other ☐

(5) EQUIPMENT:
Rotary ☒ Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☒ No ☐ Size Birdseye
Diameter of bore 12¼
Packed from 50 to 385 ft.

(7) CASING INSTALLED:
Steel ☒ Plastic ☐ Concrete ☐

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	180	8 5/8		180	385	.040x2¼"

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 50 ft.
Were strata sealed against pollution? Yes ☒ No ☐ Interval 180 ft.
Method of sealing extra gel seal

(10) WATER LEVELS:
Depth of first water, if known ft.
Standing level after well completion ft.

(11) WELL TESTS:
Was well test made? Yes ☐ No ☐ If yes, by whom?
Type of test Pump ☐ Bailer ☐ Air lift ☐
Depth to water at start of test ft. At end of test ft.
Discharge gal/min after hours Water temperature
Chemical analysis made? Yes ☐ No ☐ If yes, by whom?
Was electric log made? Yes ☐ No ☐ If yes, attach copy to this report

(12) WELL LOG: Total depth ft. Depth of completed well ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	385	Boulders, cobbles, sand & gravel.

Work started 19 Completed 19

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Signed Norman V. Howard (Well Driller)
NAME Howard Pump, Inc. (Person, firm, or corporation) (Typed or printed)
Address 28753 W. Hwy 58
City Barstow, CA Zip 92311
License No. 281814 Date of this report 8-10-84

WR 100 (REV 7-70) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

HOWARD PUMP, INC.
TEST PUMP DATA

NAME Azusa Western Landfill

WELL DESIGNATION/LOCATION Gladstone #2 STATIC WATER LEVEL 275.5

ADDRESS 1201 W. Gladstone

WELL DIAMETER 8" AIRLINE 294'

Azusa, California 91702

WELL DEPTH 375' PUMP SETTING 300'

LENGTH OF TEST IN HOURS 8

TEST SHEET OF

DATE/ TIME 8-2-84	SPECIFIC CAPACITY	DISCHARGE RATE	DRAWDOWN	PUMPING LEVEL	SAND CONTENT	REMARKS
4:00		110		275.5	Sm. Amt.	Dirty brown discharge.
4:15		110		275.5		Starting to clear up.
4:30		110		275.5		Surged, dirty, cleared up in 10 minutes.
4:45		110		275.5	Sm. Amt.	Surged, dirty, cleared up in 10 minutes.
5:00		110		275.5		Shut down.
8-3-84						
7:00		110		275.5		Discharge slightly dirty, cleared up in 5 minutes.
7:15		110		275.5		Surged slightly dirty, cleared up quick.
7:30		110		275.5	Hardly any	Surged, very slightly dirty, cleared up in 1 minute very little sand.
7:45		110		275.5		Surged, slight discoloration for 30 seconds.
8:00		110		275.5		Surged, saw no change except cloudy from air.
8:30		110		275.5		Surged.
9:00		110		275.5		Surged, discolored for a second.
9:30		110		275.5		Surged, discolored for a second.
10:00		110		275.5		Surged, clear continually.
10:30		110		275.5		Surged, staying clear, no sand.
11:00		110		275.5		No draw down.
11:30		110		275.5		
12:00		110		275.5		Engine running good, volts 280/amps 35.
12:30		110		275.5		

HOWARD PUMP, INC.
TEST PUMP DATA

NAME Azusa Western Landfill

WELL DESIGNATION/LOCATION Gladstone ~~#2~~ 3

STATIC WATER LEVEL 275.5

ADDRESS 1201 W. Gladstone

Azusa, California 91702

WELL DIAMETER 8"

AIRLINE 294'

WELL DEPTH 375'

PUMP SETTING 300'

LENGTH OF TEST IN HOURS 8

TEST

SHEET ___ OF ___

DATE/ TIME 8-13-84	SPECIFIC CAPACITY	DISCHARGE RATE	DRAWDOWN	PUMPING LEVEL	SAND CONTENT	REMARKS
1:00		110		275.5		
1:30		110		275.5		No sand, discharge crystal clear.
2:00		110		275.5		No smell, no sheen on top of water, no draw down.
						End Test.