HYDROGEOLOGIC INVESTIGATION
CHEVRON STATION SITE,
ISLETA AND RIO BRAVO BOULEVARDS,
ALBUQUERQUE, NEW MEXICO

by

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HYDROGEOLOGIC INVESTIGATION CHEVRON STATION SITE, ISLETA AND RIO BRAVO BOULEVARDS, ALBUQUERQUE, NEW MEXICO

INTRODUCTION

Purpose and Scope

The purpose of this report was to provide a hydrogeologic assessment and determine the approximate extent of gasoline-related contamination at the Chevron Station site, 3401 Isleta Boulevard, SW, Albuquerque, New Mexico. The station is on the northwest corner of the intersection of Isleta and Rio Bravo Boulevards (Fig. 1).

The study incorporated available information from previous studies and data gathered by John W. Shomaker, Inc. between January 3 and February 21, 1992.

Previous Work

According to New Mexico Environment Department (NMED) records, gasoline-related contamination was recognized in 1983, in Mountain Bell manholes along Isleta Boulevard. New Mexico State Environmental personnel measured lower explosivity levels (LELs) between 18 and 100 percent in four manholes, along Isleta Boulevard, between Barcelona (which is 1,100 feet north of the site) and Clinton (which is about 1,600 feet south of the site) streets.

Fox and Associates made LEL measurements in manholes along Isleta Boulevard between October 1984 and September 1985 (AHED file information). They measured explosivity levels in two manholes, which are near the Chevron Station site. One manhole is in Isleta Boulevard near the Sunwest Bank, about 250 feet north of the site (MH-2, Fig. 1). The other is west of the Isleta-Rio Bravo Boulevard intersection (MH-7, Fig. 1). The manhole east of the Sunwest Bank had explosivity levels ranging from 24 to 84 percent LEL. This manhole was force-ventilated after the measurements. The manhole on the west side of the Isleta-Rio Bravo intersection had levels ranging from 2 to 36 percent LEL.

There are and have been a number of gasoline service stations in the vicinity of the Chevron Station. According to NMED records, in 1985, there were four service stations in operation within a radius of 1,200 feet of the Isleta and Rio Bravo intersection. Two of these stations were upgradient of the site.

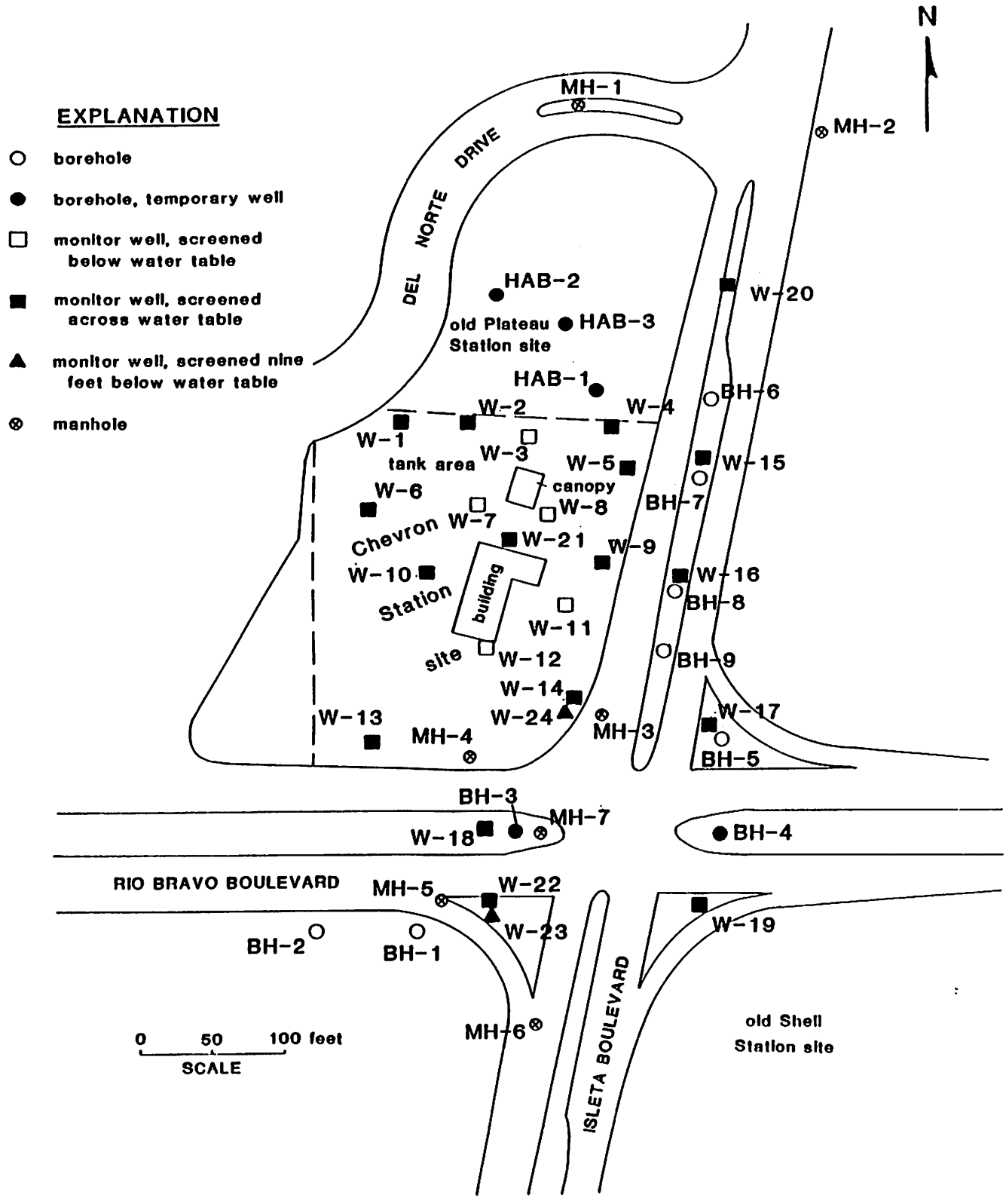

Figure 1. Map of Chevron Station site, 3401 Isleta Boulevard SW, Albuquerque, New Mexico.

According to NMED records, tank-tightness testing at the Chevron Station in 1986 indicated a possible leak in a 3000 gallon super unleaded tank. The leak was identified and repaired.

Kanjcevich (1991) completed a study to determine the extent and cause of the ground-water contamination at the Chevron site. He reported that Ever Ready Oil Company was notified by the Albuquerque Environmental Health Department (AEHD) on October 8, 1990 that ground-water contamination was discovered near the Chevron Station. This contamination was in the right-of-way along the west side of Isleta Boulevard. Tanks and lines at the Chevron Station site were tested for tightness in November, 1990, by Tank Management Services. Tanks and lines tested were within standards, under normal operating pressures (Kanjcevich, 1991). Kanjcevich (1991) concluded there was little evidence the contamination was caused by leaking tanks or lines at the site. Kanjcevich (1991) also suggested some of the contamination may have been due to overfilling of tanks, and further investigation was necessary to identify the actual source of the contamination. Kanjcevich (1991) suspected the major portion of the contamination was from off site.

USTank Management (1991) performed Tracer Tight testing of the five underground-storage tanks at the Chevron Station, in November, 1991. The tank and pipe systems passed these tests.

Regional Geology and Hydrogeology

The Chevron site at 3401 Isleta Boulevard is on the west side of the Rio Grande, within in the inner valley, south of Albuquerque. The inner valley includes the younger floodplain areas, adjacent to the Rio Grande (Peter, 1987, p. 3). Peter (1987) reported the upper 150 feet of sedimentary deposits in the inner valley consist of clay, silt, sand, gravel and cobbles. These deposits are of Holocene age and resemble deposits of the underlying Santa Fe Group. The Santa Fe Group sediments are the principal source of the alluvial material in the younger floodplain sediments.

Peter (1987, p. 5; Fig. 2 and 3) presented an east-west cross-section through the site area. This section was developed from correlation of electric and lithologic logs of four boreholes along Rio Bravo Avenue, which passes through the Chevron Station site. We used this section to estimate thickness of underlying units to a depth of 150 feet, which is as follows (from youngest to oldest):

depth, ft.	lithologic unit	thickness, ft.
0 to 35	sand and some gravel	35
35 to 63	silt and clay	28
63 to 73	gravel and sand	10
73 to >150	sand	>77

The Rio Grande channel is elevated above the adjacent flood plain and therefore, water flows from the river and recharges the underlying aquifer. In the early 1930s, the Middle Rio Grande Conservancy District and Bureau of Reclamation installed a drainage system parallel to the river to remove water from the shallow alluvium and return it to the Rio Grande.

According to Peter (1987), four major factors control the direction of shallow ground-water flow in the inner valley of the Rio Grande:

1) the Rio Grande
2) riverside and interior drains
3) irrigation
4) ground-water withdrawals by the City of Albuquerque and industry

In 1936 the ground-water flow along the inner valley, in the area of the site, was to the south approximately parallel to the Rio Grande (Theis, 1938, pl. 6; and Peter, 1987, p. 11). Ground-water flow in this area has changed little since 1936, although east of the river it has been affected by Albuquerque ground-water use (Peter, 1987, p. 14; and Kelly, 1982, p. 353).

SITE INVESTIGATION WORK

Outline of Field Events

John W. Shomaker, Inc. began field work on January 3, 1992 and finished on February 21, 1992. The following is a summary of this field work:

January 3, 1992	surveyed elevations of measuring points and measured fluid levels in existing monitor wells
January 20, 1992	collected water samples from existing monitor wells and submitted them for analyses of aromatic and chlorinated hydrocarbons, methyl-t-butyl ether (MTBE) and 1,2-dibromomethane (EDB)

January 21, 1992	started soil-boring program to determine lateral extent of contamination
January 23, 1992	measured organic-vapor concentrations in nearby manholes
January 27, 1992	installed five monitor wells which were screened across the water table
January 28, 1992	surveyed elevations of new wells and developed these wells
January 30, 1992	collected water samples from the new wells and submitted them for analyses of aromatic and chlorinated hydrocarbons, MTBE and EDB
February 5, 1992	corrected elevation measurements from Kanjcevich's reports
February 10, 1992	installed and developed five monitor wells; three were screened across the water table and two were screened below the water table to evaluate the vertical migration of contamination
February 11, 1992	collected water samples from new monitor wells for analyses of aromatic and chlorinated hydrocarbons, MTBE, and EDB; measured elevations of measuring points of new wells
February 14, 1992	measured fluid levels in monitor wells
February 22, 1992	made slug tests on monitor wells 23 and 24

Fluid-level Measurements

We made fluid-level measurements in monitor wells, with a steel tape, to the nearest one-hundreth of a foot. We used water-indicating paste and chalk on the tape to indicate depths to fluid. We measured depths to fluid from a surveyed reference point on the top of the two-inch diameter, PVC casing. We didn't detect any measurable thickness of floating-product in any of the wells.

We measured elevations of measuring points on well casings using a level and rod. We made measurements to the nearest 0.01 ft. We compared our levels to the measurements reported in Kanjcevich (1991). We determined the measurements reported in Kanjcevich (1991) were incorrect,

Table 1. Relative elevations (in feet) of measuring points and fluids in wells, Chevron Station site, Isleta and Rio Bravo Boulevards (lower well identification, if present, is old designation)

well	W-1 MW-06	W-2 OW-06	W-3 MW-02	W-4 MW-07	W-5 OW-01	W-6 OW-04	W-7 MW-01
a	4928.22	4927.63	4927.53	4928.07	4929.04	4928.45	4928.02
b	4918.22	4922.63	4917.53	4923.07	4924.04	4923.45	4918.02
c	10	10	5	10	10	10	5
date							
03/06/91	4920.58	4920.75	4920.26	4920.32	4920.61	4920.61	4920.42
03/13/91	4920.59	4920.68	4920.30	4920.26	4920.68	4920.68	4920.46
03/21/91	4920.63	4920.75	4920.45	4920.41	4920.72	4920.70	4920.61
03/28/91	4920.46	4920.75	4920.44	4920.42	4920.72	4920.70	4920.62
04/03/91	4920.64	4920.79	4920.46	4920.44	4920.72	4920.61	4920.64
01/03/92	4921.07	4921.05	4921.07	4921.06	4921.00	4921.00	4920.98
01/20/92	4920.93	4920.94	4920.93	4920.91	4920.87	4920.88	4920.89
02/14/92	4920.80	4920.78	4920.78	4920.78	4920.83	4920.82	4920.74

well	W-8 MW-03	W-9 MW-08	W-10 MW-10	W-11 MW-04	W-12 MW-05	W-13 OW-02	W-14 MW-09
a	4928.53	4928.86	4927.37	4928.94	4928.21	4928.41	4928.60
b	4918.53	4923.86	4922.37	4918.94	4918.21	4923.41	4923.60
c	5	10	10	5	5	10	10
date							
03/06/91	4920.32	4920.25	4920.26	4920.27	4920.22	4920.53	4920.17
03/13/91	4920.35	4920.29	4920.29	4920.33	4920.24	4920.51	4920.22
03/21/91	4920.52	4920.44	4920.45	4920.27	4920.40	4920.53	4920.38
03/28/91	4920.52	4920.35	4920.45	4920.47	4920.41	4920.53	4920.38
04/03/91	4920.55	4920.47	4920.47	4920.50	4920.43	4920.56	4920.40
01/03/92	4920.98	4920.97	4920.95	4920.95	4920.93	4920.83	4920.90
01/20/92	4920.88	4920.82	4920.83	4920.83	4920.79	4920.70	4920.73
02/14/92	4920.72	4920.69	4920.68	4920.67	4920.65	4920.55	4920.58

well	W-15	W-16	W-17	W-18	W-19	W-20	W-21
a	4929.72	4929.61	4929.78	4928.64	4929.74	4929.75	4928.96
b	4921.95	4920.82	4921.71	4921.02	4921.39	4922.10	4921.06
c	5	5	5	5	5	5	5
date							
03/06/91							
03/13/91							
03/21/91							
03/28/91							
04/03/91							
01/03/92							
01/20/92							
02/14/92	4920.77	4920.67	4920.58	4919.88	4920.42	4920.85	4920.70

well	W-22	W-23	W-24
a	4928.98	4928.91	4928.70
b	4921.48	4915.01	4914.70
c	5	5	5
date			
03/06/91			
03/13/91			
03/21/91			
03/28/91			
04/03/91			
01/03/92			
01/20/92			
02/14/92	4920.43	4920.41	4920.55

a=measuring pt., b=top of screen, c=length of screen, ft

as the surveyor measured to points other than the water-level measuring points on the top of the well casings. We corrected the measurements reported by Kanjcevich (1991) and have included those along with our measurements in Table 1 (elevation corrections are given in Appendix A). We have also included the monitor well identifications from the Kranjcevich (1991) report in Table 1. We chose the elevation of the measuring point for W-1, reported in Kanjcevich (1991), to be our reference elevation. Therefore, our elevations are relative to that elevation.

Sampling and Analysis of Ground Water from Existing Monitor Wells

On January 20, 1992 we collected water samples from the existing monitor wells at the site. We purged a minimum of three well volumes from each well before sampling. We used disposable bailers to purge and sample each well. We collected samples in duplicate, 40-ml, glass vials which contained a few drops of hydrochloric acid and mercuric chloride as preservative. We placed the samples on ice after collection and stored them on ice during shipment to the laboratory. Samples were analyzed by Analytical Technologies, Inc. (Phoenix, Arizona) for chlorinated and aromatic hydrocarbons, EDB and MTBE. MTBE analyses were confirmed, in selected samples, using gas chromatographic and mass spectrometric methods. Results are summarized in Table 2 (analytical reports are included in Appendix B).

Boreholes and Soil-Vapor Survey

We used nine boreholes to determine the extent of soil and ground-water contamination near the site (locations are shown in Figure 1. We measured concentrations of organic-vapors in soil samples collected from the boreholes. Personnel from Ever Ready Oil Company, per our direction, drilled holes to depths ranging from 6.5 to 10.0 feet, using a four-inch diameter, truck-mounted auger. We collected two or three soil samples from each hole in one-quart glass jars, and sealed with aluminum foil. We warmed the samples and analyzed the headspace for organic-vapor concentrations, using a photoionization detector.

Results of organic-vapor concentrations are summarized in Table 3 for measurements of soil samples from boreholes and in manholes (borehole and manhole locations are shown in Fig. 1):

Table 2. Summary of laboratory analytical results, Chevron Station site, Isleta and Rio Bravo Boulevards (concentrations in ug/l; negative values are below detection limits)

well	date	MTBE	BENZENE	TOLUENE	ETHYLBEN	XYLENES	DCE	EDB
W-20	02/11/92	-1.0	-0.5	21.0	-0.5	-0.5	1.0	-1.0
W-21	02/11/92	not sampled due to presence of sheen of floating product						
W-22	02/11/92	360.0	-0.5	5.7	-0.5	-0.5	19.0	-1.0
W-23	02/11/92	280.0	19.0	35.0	-5.0	-5.0	26.0	-1.0
W-24	02/11/92	28.0	80.0	26.0	9.1	-0.5	21.0	-1.0
W-15	01/30/92	-1.0	3.4	27.0	-0.5	-0.5	0.4	-1.0
W-16	01/30/92	-1.0	-0.5	7.3	-0.5	-0.5	-0.2	-1.0
W-17	01/30/92	-1.0	-0.5	-0.5	-0.5	-0.5	1.0	-1.0
W-18	01/30/92	1000.0	63.0	7.7	1.3	-0.5	33.0	-1.0
W-19	01/30/92	-1.0	-0.5	-0.5	-0.5	-0.5	0.5	-1.0
BH-3	01/21/92	900.0	24.0	-2.5	-2.5	-2.5	39.0	-5.0
BH-4	01/21/92	-1.0	-0.5	-0.5	-0.5	-0.5	0.8	-1.0
W-01	01/20/92	-1.0	-0.5	-0.5	-0:5	-0.5	16.0	-1.0
W-02	01/20/92	-1.0	87.0	0.7	2.4	3.2	38.0	-1.0
W-03	01/20/92	-50.0	1500.0	84.0	330.0	620.0	54.0	-50.0
W-04	01/20/92	70.0	1100.0	520.0	430.0	1400.0	14.0	-25.0
W-05	01/20/92	-20.0	1100.0	300.0	480.0	970.0	-4.0	-20.0
W-06	01/20/92	-1.0	-0.5	-0.5	-0.5	-0.5	-0.2	-1.0
W-07	01/20/92	160.0	1200.0	4000.0	940.0	4000.0	84.0	-25.0
W-08	01/20/92	-25.0	2100.0	1200.0	640.0	1500.0	45.0	-25.0
W-09	01/20/92	-1000.0	14000.0	-500.0	7700.0	7900.0	-200.0	-1000.0
W-10	01/20/92	4.3	1.3	-0.5	-0.5	-0.5	23.0	-1.0
W-11	01/20/92	-50.0	2800.0	2000.0	1500.0	5200.0	27.0	-50.0
W-12	01/20/92	1700.0	5500.0	-125.0	1300.0	-125.0	110.0	-250.0
W-13	01/20/92	-1.0	-0.5	-0.5	-0.5	-0.5	1.1	-1.0
W-14	01/20/92	84.0	310.0	-2.5	43.0	4.0	14.0	-5.0
HAB-1	12/10/91	-1000.0	11800.0	22000.0	1900.0	11200.0	-200.0	-200.0
HAB-2	12/10/91	-5.0	-1.0	6.5	-1.0	-1.0	13.8	-1.0
HAB-3	12/10/91	-5.0	172.0	10.6	25.0	6.5	0.8	-1.0
W-01	03/15/91							
W-02	03/15/91							
W-03	03/15/91							
W-04	03/15/91							
W-05	03/15/91							
W-06	03/15/91							
W-07	03/15/91	270.0	1100.0	3100.0	360.0	6200.0		
W-08	03/15/91	200.0	4400.0	3500.0	990.0	3900.0		
W-09	03/15/91							
W-10	03/15/91	23.0	-1.0	-1.0	-1.0	-1.0		
W-11	03/15/91	100.0	2500.0	4300.0	-100.0	8100.0		
W-12	03/15/91	1500.0	150.0	-10.0	-10.0	52.0		
W-13	03/15/91							
W-14	03/15/91							
O3	02/12/91	-1.0	-1.0	-1.0	-1.0	-1.0		
O5	02/12/91	-1.0	-1.0	-1.0	-1.0	-1.0		
W-01	02/12/91	-1.0	-1.0	19.0	-1.0	-1.0		
W-02	02/12/91	-1.0	22.0	17.0	4.1	3.9		
W-03	02/12/91	-100.0	5900.0	1200.0	140.0	4100.0		
W-04	02/12/91	-100.0	3900.0	7600.0	2000.0	8500.0		
W-05	02/12/91	-50.0	3000.0	1900.0	910.0	3500.0		
W-06	02/12/91	-1.0	-1.0	-1.0	-1.0	-1.0		
W-07	02/12/91	800.0	3400.0	9900.0	2400.0	15800.0		
W-08	02/12/91	670.0	7300.0	9300.0	2100.0	1700.0		
W-09	02/12/91	-50.0	2600.0	130.0	1500.0	-1.0		
W-10	02/12/91	-1.0	-1.0	-1.0	-1.0	12000.0		
W-11	02/12/91	180.0	5300.0	11000.0	2900.0	2.3		
W-12	02/12/91	870.0	-1.0	-1.0	1.8	-1.0		
W-13	02/12/91	-1.0	-1.0	-1.0	-1.0	-1.0		
W-14	02/12/91	17.0	-1.0	-1.0	-1.0			
W-12	11/26/90	1300.0	1700.0	3.4	39.0	10.0		
W-13	11/26/90							
W-14	11/26/90							
O3	10/30/90							
O5	10/30/90							
W-01	10/30/90							
W-02	10/30/90							
W-03	10/30/90	-1.0	2300.0	2400.0	750.0	2800.0		
W-04	10/30/90							
W-05	10/30/90							
W-06	10/30/90							
W-07	10/30/90	2200.0	8000.0	20000.0	3500.0	25000.0		
W-08	10/30/90	385.0	8700.0	20000.0	6200.0	28000.0		
W-09	10/30/90							
W-10	10/30/90							
W-11	10/30/90	-1.0	4100.0	9000.0	4600.0	15000.0		
W-12	10/30/90	1100.0	113.0	-1.0	-1.0	23.0		

Table 3. Summary of organic-vapor concentrations detected from borehole soil samples and in manholes

soil organic-vapor concentrations in ppm			
depth, ft.	0	5	10
borehole			
BH-1	4	2	
BH-2	1	1	
BH-3	0	0	6
BH-4	0 0	0	
BH-5	0	2	2
BH-6	26	92	3
BH-7	0	0	0
BH-8	1	0	0
BH-9	0	0	1
W-15	0	6	
W-16	2	1	
W-17	0	0	
W-18	1	0	
W-19	0	3	
W-20	0	1	
W-21	(1518)	(1024)	
W-22	8	2	
W-23	2	0	
W-24	2	5	
manhole	organic-vapor concentration, ppm		
MH-1	0		
MH-2	0		
MH-3	4		
MH-4	4		
MH-5	0		
MH-6	3		
MH-7	17		

We collected soil samples from boreholes BH-1 (at seven foot depth) and BH-6 (at six foot depth) for analyses by EPA modified method 8015/8020 (fuel hydrocarbons, benzene, toluene, ethylbenzene, xylene and MTBE). We placed each sample in a labelled, one-pint glass jar. We placed these samples on ice and kept them on ice during storage and shipment to the laboratory. Samples were analyzed by Analytical Technologies, Inc. (Phoenix, Arizona). Measured constituents were below detection limits. Field notes are included in Appendix A and analytical reports are included in Appendix B.

We completed temporary wells in two of the boreholes (BH-4 and BH-3). We developed these wells and sampled them using disposable bailers. Samples were collected in duplicate, 40-ml vials. Each vial contained a few drops of hydrochloric acid and mercuric chloride as a preservative. We placed these samples on ice after collection and kept them on ice during shipment to the laboratory. Samples were analyzed by Analytical Technologies, Inc. for chlorinated and aromatic hydrocarbons, MTBE and EDB (results are summarized in Table 2; analytical reports are included in Appendix B).

We abandoned boreholes by plugging them with cement to land surface. This was done to prevent any vertical migration of existing or future contamination through the boring.

Drilling and Construction of New Monitor Wells

We completed ten new monitor wells at the site. Ever Ready Oil Company drilled the holes and completed the monitor wells, per our direction. They drilled four-inch diameter holes using a truck-mounted auger. Borehole depths ranged from 15 to 20 feet deep. Casing-string lengths varied from about 12 to 20 feet. They constructed the monitor wells using two-inch diameter, threaded, flush-joint, PVC casing and screen. Screen sections were five feet long and had horizontal machine-cut openings, 0.010-inches wide. They gravel packed the screen sections with 10-20 silica sand, to about a foot above the top of the screen section. They placed bentonite seals in the annulus above the gravel pack. They then backfilled the annulus above the bentonite seal with cuttings to a depth of about 1.5 feet below ground level. They finished the wells by placing seven-inch diameter steel covers with bolt-on lids over the wellheads and locking pipe plugs were installed on the wellhead (Construction details are included with field data in Appendix A). These wellheads were cemented in place slightly above ground level.

Sampling and Analysis of Ground Water from New Monitor Wells

We developed and sampled the new monitor wells with disposable bailers. We developed until the wells until the water cleared (usually more than four well volumes). We collected water samples in duplicate, 40-ml, vials which contained a few drops of hydrochloric acid and mercuric chloride. We placed the samples on ice immediately after collection and kept them on ice during shipment to the laboratory. Samples were analyzed by Analytical Technologies, Inc. (Phoenix, Arizona) for chlorinated and aromatic hydrocarbons, MTBE and EDB (results are summarized in Table 2; analytical reports are included in Appendix B).

Slug Tests

We conducted slug tests in wells 23 and 24. These two wells were screened and gravel packed about nine-feet below the water table. We made the tests using a sealed galvanized-steel pipe, of known volume, attached to a rope. We attached a pressure transducer and cable to the slug. We then lowered the slug and transducer into the well, as quickly as possible, to a fixed point below the static water-level. We measured the rate of fall of the water level using the response from pressure transducer, recorded on a chart recorder.

SITE HYDROGEOLOGY

Unsaturated Zone

The thickness of the unsaturated zone, at the site, varies from six to nine feet. The variation in thickness is primarily due to the sloping water table and the nearly level land surface. The unsaturated zone thickness also changes with fluctuations in the elevation of the water table. During the past year the fluctuation has been at least 0.7 feet (monitor well W-14, Fig. 2).

Soils in the unsaturated zone consist of gravel, sand, silt and clay; Medium- to coarse-grained, yellow-tan sands and silty sands are predominant. In some areas, the shallowest soils (surface to a depth of about three feet) appear to be imported fill material or disturbed soils.

Shallow Alluvial Aquifer

Shallow ground water occurs at a depth of between six and nine feet. The shallow aquifer is unconfined and consists predominantly of fine- to medium-grained sands with minor gravel, silt and clay material.

Direction of Ground-Water Flow and Gradients

The direction of flow in the shallow aquifer is to the south and does not appear to have changed much since the 1936 (Fig 3; Peter, 1987, p. 11 and 14). The gradient February 14, 1992 varied from 0.0008 to 0.0011. The gradient is similar to the 0.001 value reported by Peter (1987) for the same area between July 1985 and June 1986.

We also measured a vertical, downward component of flow within the shallow aquifer. We measured water-level differences between wells in well-cluster pairs W-22/W-23, and W-14/W-24. The differences were 0.004 and 0.006, respectively. These values were similar to the downward vertical gradient of 0.0051 reported in Peter (1987) between wells in a well cluster about a quarter mile west of the site.

Hydraulic Conductivity and Storage Coefficients

We interpreted slug-test data from monitor wells 23 and 24 to estimate the hydraulic conductivity of the shallow alluvial aquifer near the site. These wells are screened over a five-foot interval at a depth of about nine feet below the water table. We analyzed the data using the Bouwer-Rice method outlined in Bouwer (1989); the values of hydraulic conductivity were as follows:

	Hydraulic Conductivity, ft/day
Well method:	Bouwer and Rice method (Bouwer, 1989)
W-23	62
W-24	119

The Bouwer and Rice slug-test method allows the measurement of saturated hydraulic conductivity of aquifer materials in a single well. This method also allows for consideration of partial penetration of the well, effects of draining gravel packs and hole diameter.

The transmissivity (T) of the shallow aquifer, at the site, was estimated using the measured saturated hydraulic conductivity (K) of the aquifer and its thickness (b).

where:

$$T = Kb$$

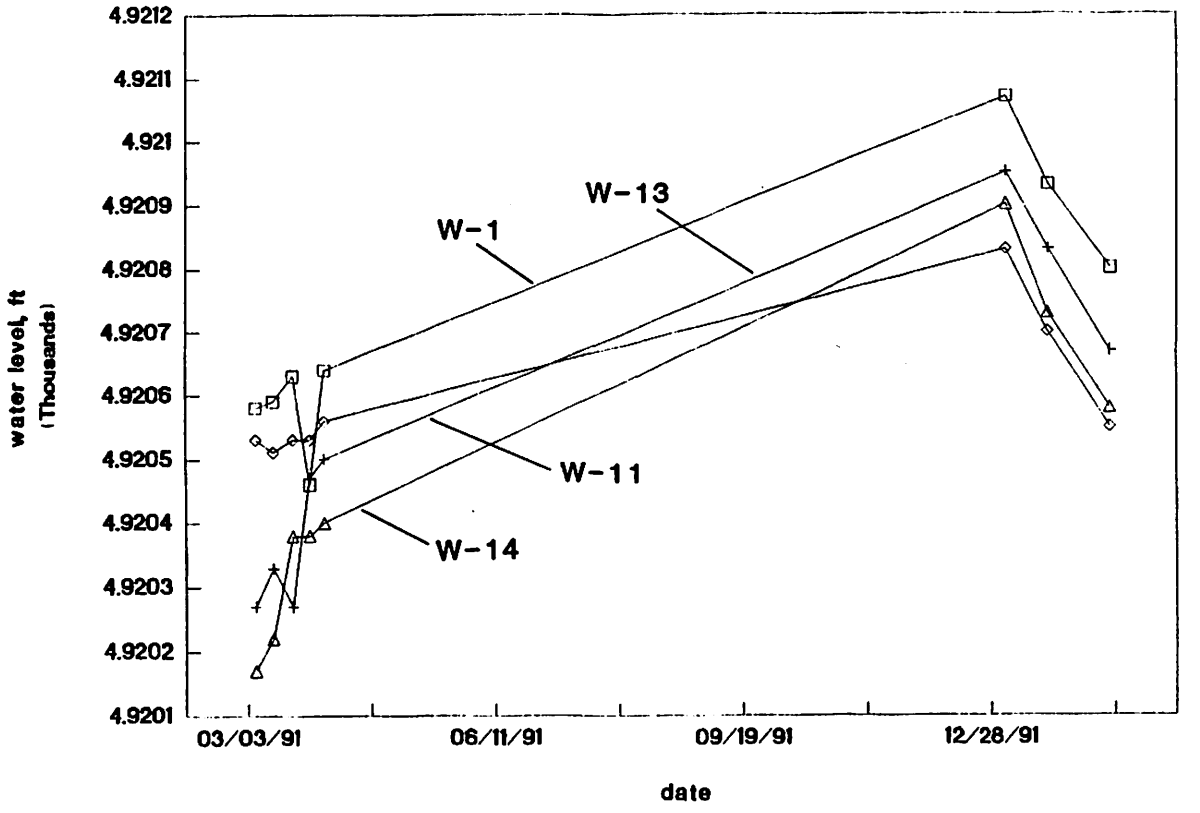

Figure 2. Graph of changes in water levels over time for selected monitor wells, Chevron Station site

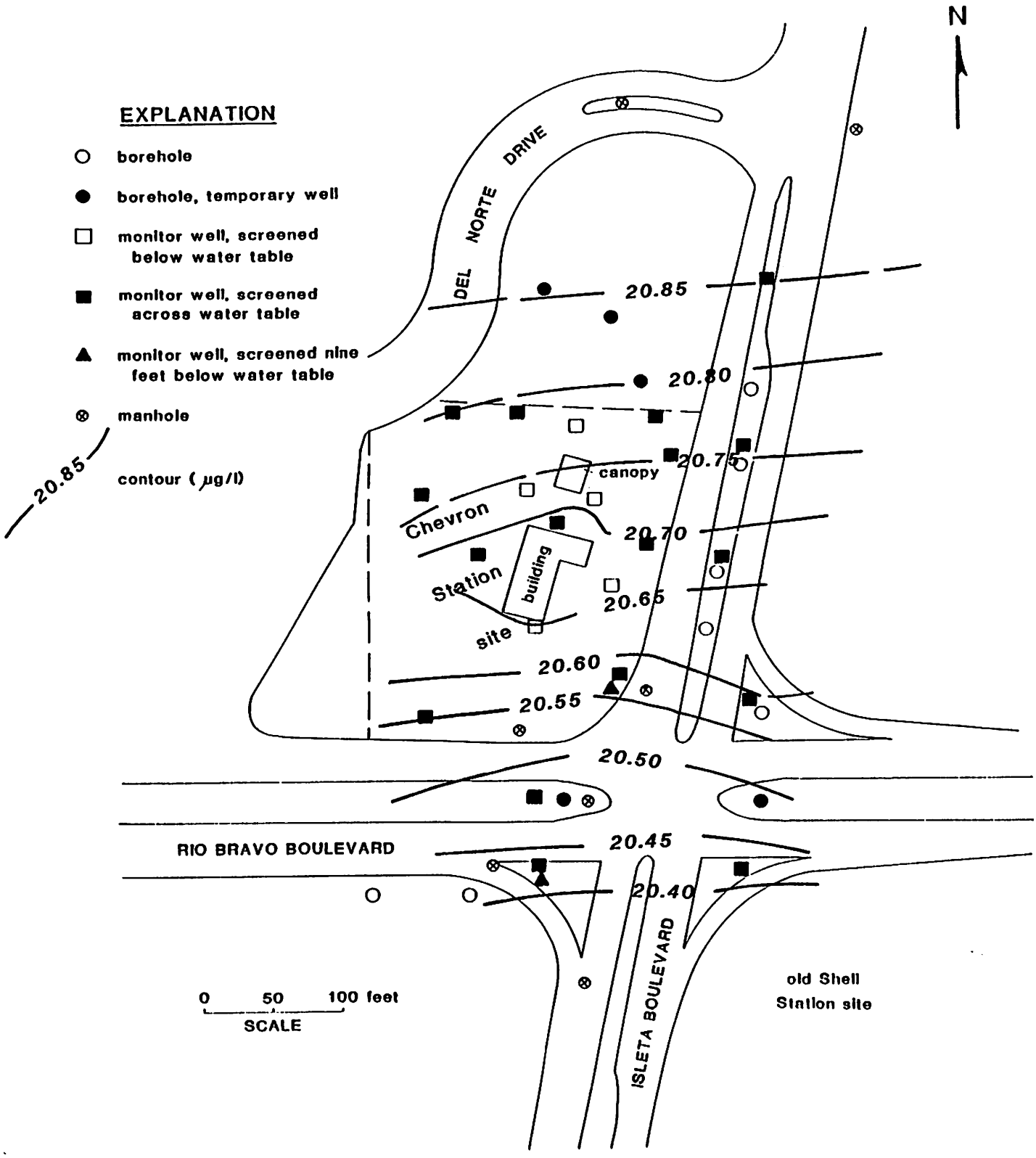

Figure 3. Map of Chevron Station site, with water-table contours, February 14, 1992.

We assumed the aquifer was 35 feet thick (from the thickness shown in the cross-section in Peter, 1987). The saturated hydraulic conductivity of the aquifer was 62 and 119 ft/day (as shown above). The transmissivity values for the shallow aquifer at monitor well W-23 and W-24 site were 2,170 and 4,165 ft^2/day.

Specific storage is the volume of water elastically released from or taken into storage per unit volume of aquifer per unit change in hydraulic head (Lohman, and others, 1972). The product of specific storage and aquifer thickness is the storage coefficient of a confined aquifer.

Specific yield is the volume of water that will drain by gravity from a unit volume of aquifer material. For an unconfined aquifer the volume of water derived from storage is much greater than that derived from elastic expansion of water and the matrix in the aquifer (storage coefficient).

The storage coefficient of unconsolidated sediments, under water-table conditions, is usually determined with a long-term pumping test. Data from a long-term test is needed to account for the effects of delayed yield (drainage). Storage coefficients, determined from short-duration tests, are generally much lower. Long-term tests are generally not practical due to problems associated with the disposal of large volumes of produced water.

We estimated the specific yield of the shallow aquifer, at the site, to be about 0.20. Kernodle et al. (1987) used a specific yield of 0.10 in their ground-water flow model of the Albuquerque Basin. They considered this value at or near the minimum commonly accepted (Lohman, 1972, p. 53). The Albuquerque Basin, as a whole, contains a large fraction of very fine-grained and clayey sediments which probably justify the low value for modeling purposes. The sediments, in the shallow aquifer beneath the site, are generally fine- to coarse-grained sands, with little clay or silt. Therefore, we assumed the specific yield would be somewhat higher.

If we assume, for the unconfined aquifer conditions at the site, the specific yield and the storage coefficient are comparable. We would therefore assume a storage coefficient of 0.20. We feel this is the best approach not having data from a long-term pump test.

GROUND-WATER AND SOIL CONTAMINATION

Extent and Nature of Ground-Water Contamination

Ground water in the shallow aquifer at the Chevron Station site is contaminated with volatile aromatic and chlorinated hydrocarbons. We didn't encounter any

measurable thickness of product in any of the monitor wells. We did note an oily sheen on produced water from monitor well W-21 and L. Shore (AHED) reported the same on water from boring HAB-1. Several of the wells completed as part of the study by Kranjcevich (1991) were screened a few feet below the water table and may not allow floating product into the well; these wells include monitor wells W-3, W-7, W-8, W-11 and W-12 (Table 1).

The volatile aromatic hydrocarbons, in the ground water, appear to be associated with gasoline-related contamination. Gasoline-related contamination has been reported in the area since the early 1980s, and possibly earlier (AHED, file information). The contamination at the site includes concentrations of benzene, toluene, ethylbenzene, xylenes and MTBE, which exceed environmental standards for ground water.

Benzene, ethylbenzene, xylenes, toluene and MTBE concentrations, in ground water, are highest under the Chevron Station site and along the west side of Isleta Boulevard, east of the site (Figs. 4, 5, 6, 7 and 8). The highest concentrations of benzene were reported by AHED in a water sample collected from a test hole (HAB-1), immediately north of the northeast corner of property boundary of the site.

The presence of MTBE suggests some fraction of the contamination occurred since 1979. MTBE is a compound used in gasoline as an octane enhancer. According to Garrett et al. (1987), its was not used commercially until 1979.

We confirmed the presence of MTBE in several selected samples using gas chromatography and mass spectrometry. This was necessary because EPA method 8020,602 (gas chromatography, GC, method) has limited capability to specifically detect MTBE. We therefore, requested the laboratory analyze select samples by EPA method 624,8240 (gas chromatography/mass spectrometry, GC/MS, method). These same samples were analyzed by the GC method so the results could be compared. The GC/MS method is more expensive and has higher detection limits than the GC method. Therefore, it was only utilized to verify the presence of the MTBE at the site (see Appendix B for laboratory results).

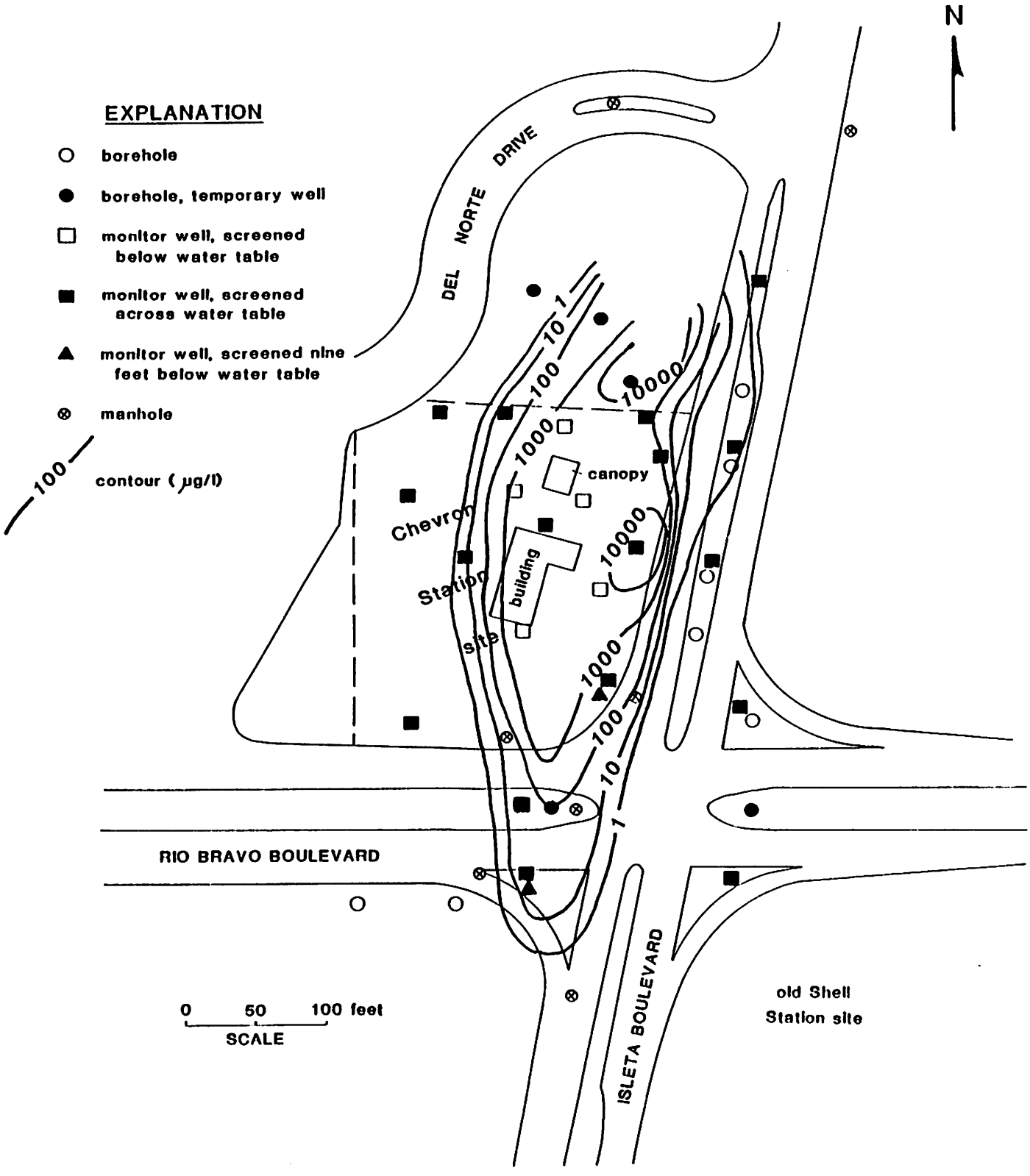

Figure 4. Iso-benzene contours (ug/l), Chevron Station site, Albuquerque, New Mexico.

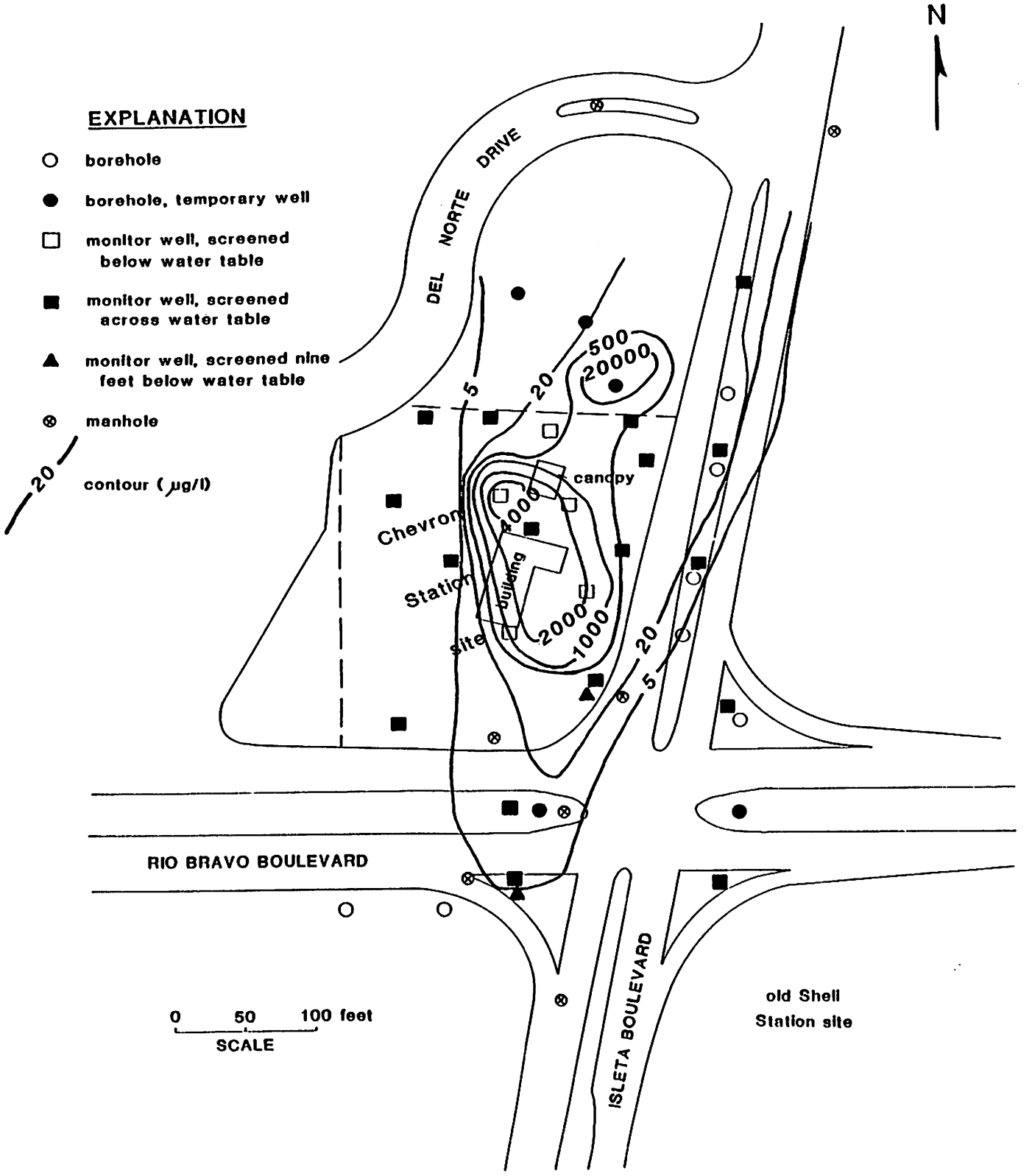

Figure 5. Iso-toluene contours (ug/l), Chevron Station site, Albuquerque, New Mexico.

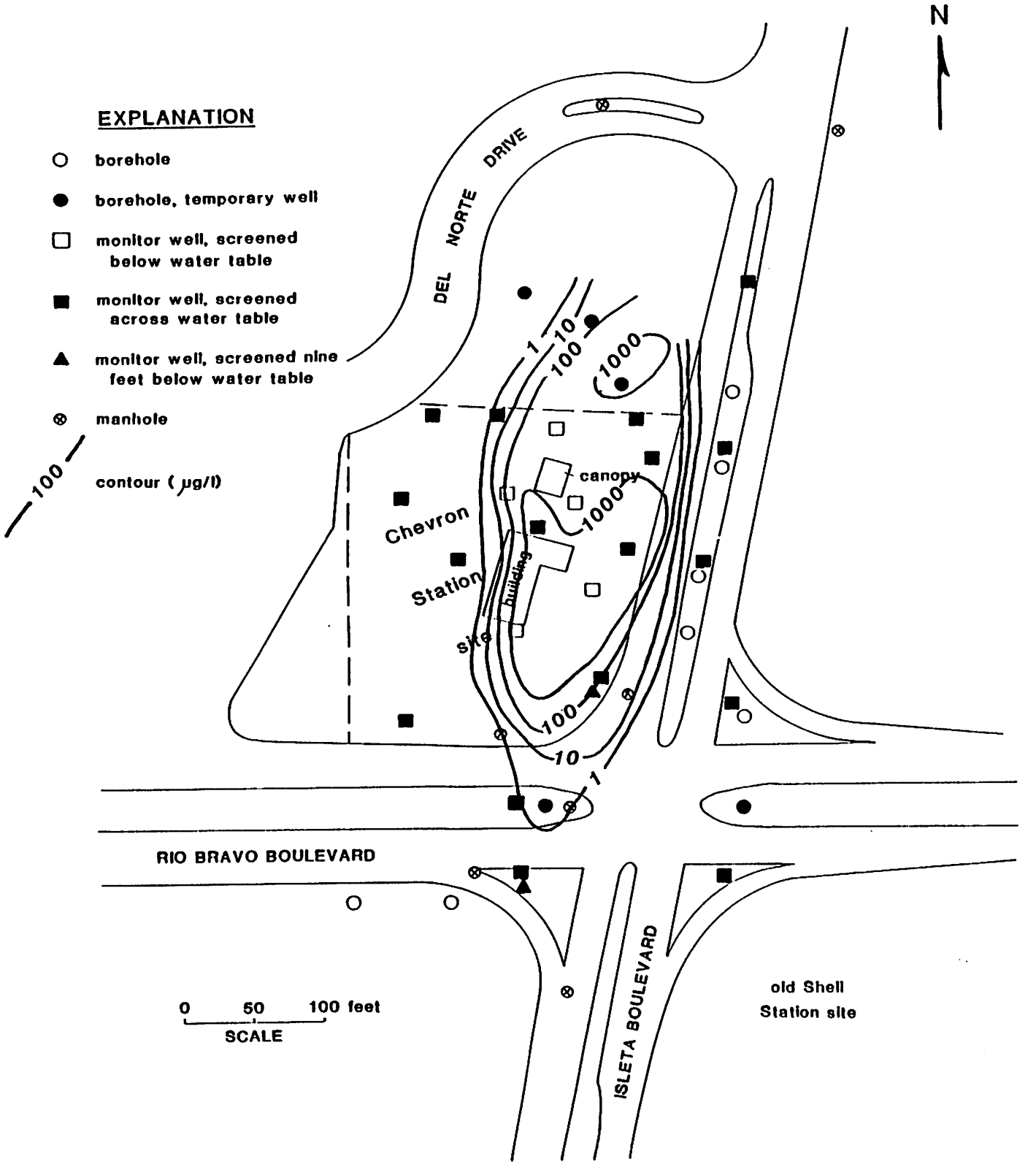

Figure 6. Iso-ethylbenzene contours (ug/l), Chevron Station site, Albuquerque, New Mexico.

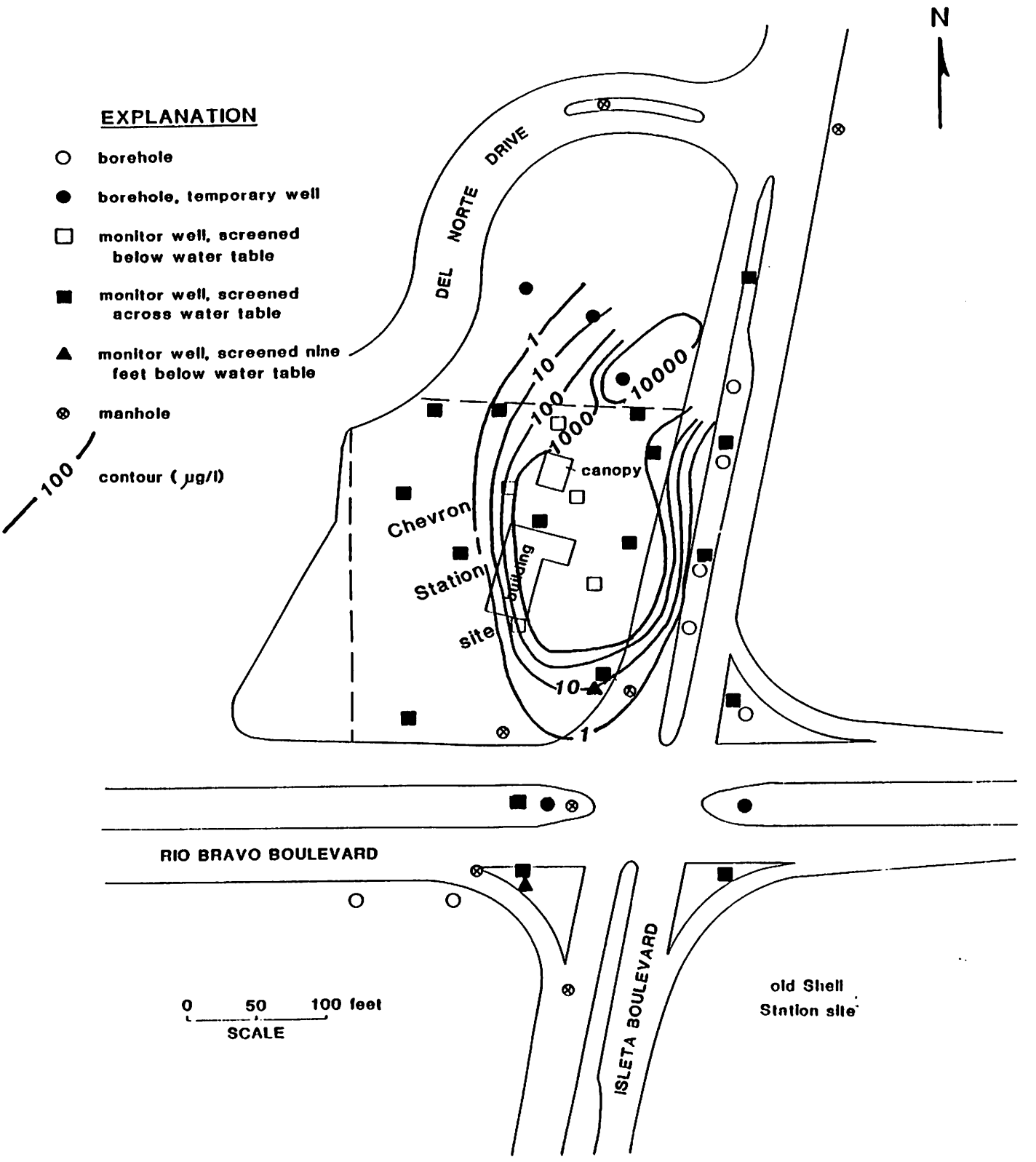

Figure 7. Iso-xylene contours (ug/l), Chevron Station site, Albuquerque, New Mexico.

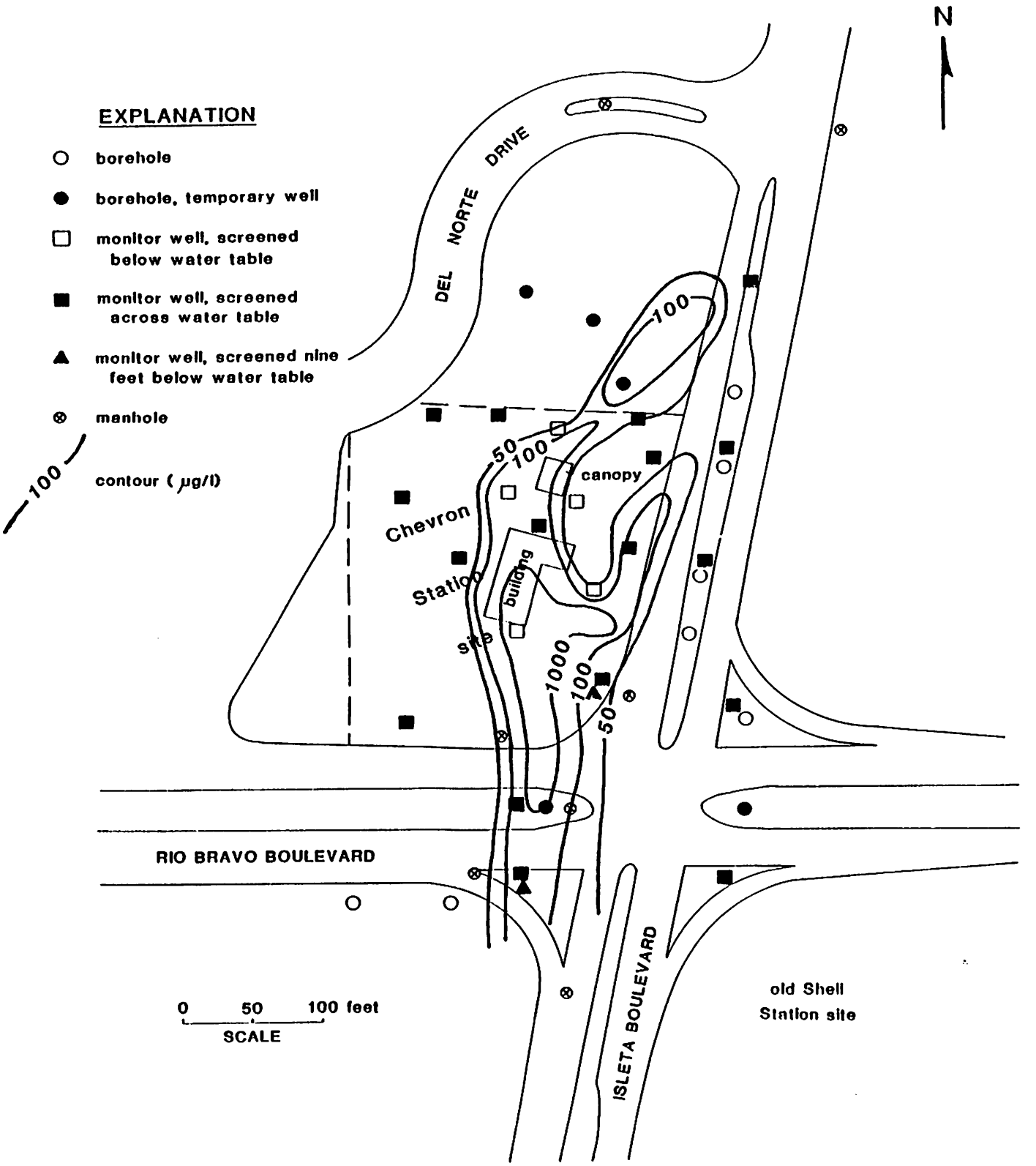

Figure 8. Iso-MTBE contours (ug/l), Chevron Station site, Albuquerque, New Mexico.

Several chlorinated compounds have been detected in the ground-water samples collected at the site. These compounds include 1,2-dichloroethene (DCE; total, includes trans- and cis- stereoisomers), tetrachloroethene (PCE), trichloroethene (TCE), 1,2-dichloroethane (DCA), chlorobenzene and chloroform. The DCE was detected in nearly every sample; the exceptions being samples from monitor wells W-6 and W-16 (Table 2). The highest concentrations of DCE appear to be in an area under the building at the Chevron Station, although the upgradient extent is beyond the northern edge of the property, and has not been defined (Fig. 9).

According to Wood et al. (1985), and Dragun (1988), PCE and TCE have relatively short biodegradation half-lives and degrade successively to DCE with the loss of chlorine atoms. Wood et al. (1985) postulated that the degradation and loss of chlorine atoms was the result of anaerobic bacterial activity. Contamination of soil and ground water by petroleum hydrocarbons enhances the generation of an anaerobic conditions which can significantly lower the oxidation state of the aquifer (Longmire, 1986). This could lead to an increase in the activity of anaerobic bacteria. Upgradient of and side gradient of the gasoline-related contamination, ground water may be more oxidized and this anaerobic bacterial activity may be limited. The PCE and TCE, in water samples collected in wells north of the gasoline contamination, may not have completely degraded to DCE.

Nyer et al. (1991) reports that DCE is also several times more soluble than TCE and more than an order of magnitude more soluble than PCE. This could explain the higher concentrations and greater mobility of the DCE in ground water at the site (Fig. 9).

The chlorobenzene and chloroform were each detected in only one sample. The chlorobenzene was measured at a concentration of 1.7 ug/l in a water sample from monitor well W-10. The concentration of chloroform was 13 ug/l in a water sample from monitor well W-11. Source of these compounds is not known.

Extent and Nature of Soil Contamination

Kranjcevich (1991) described gasoline-related soil contamination, defined as organic-vapor concentrations greater than 100 ppm during drilling at the site. Kanjcevich (1991) recognized gasoline-related soil contamination in the unsaturated zone in soil samples from boreholes W-2, W-4, W-5, W-9, and W-12. These soil samples were collected at a depth of five feet and were screened with a photoionization detector.

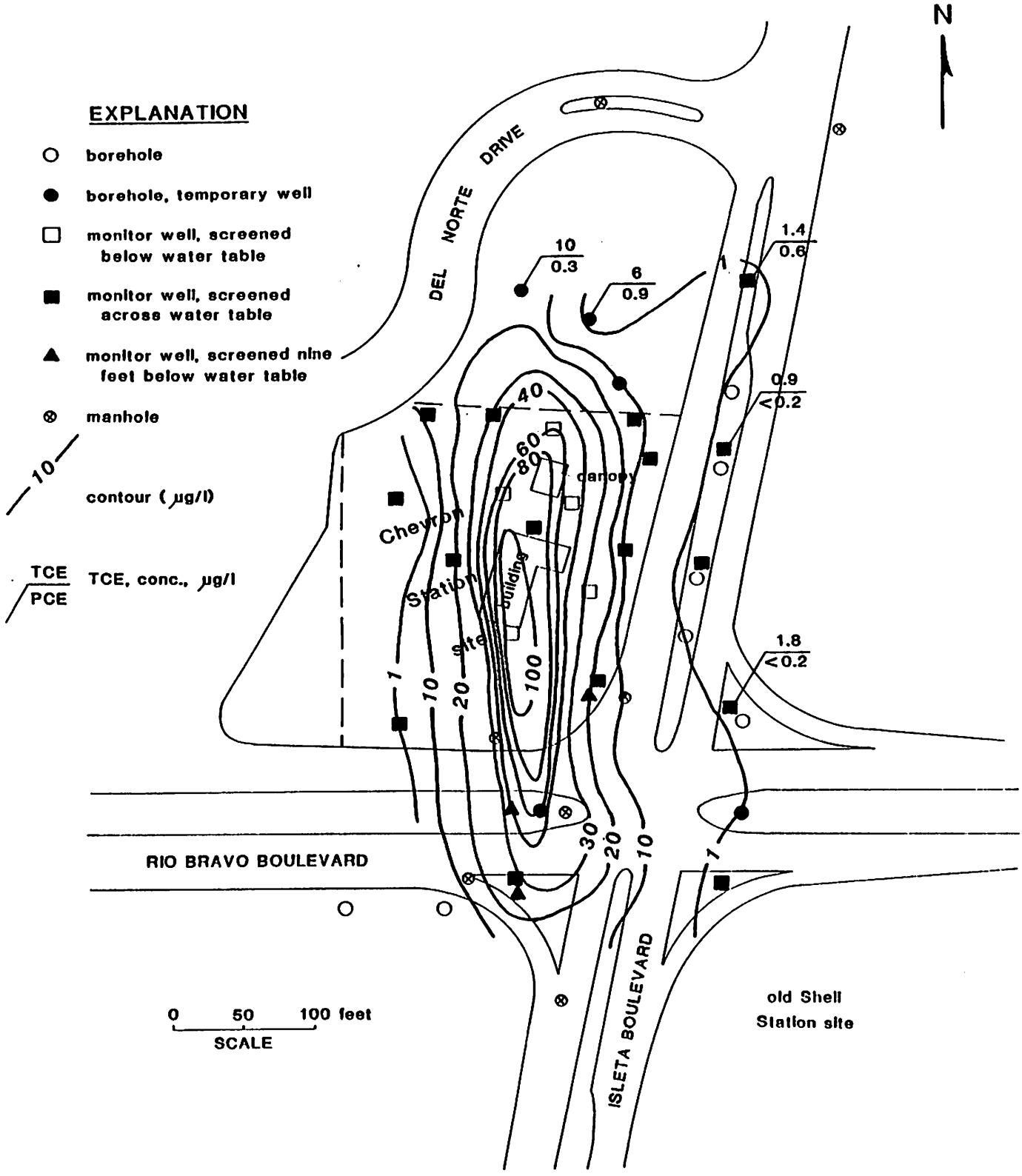

Figure 9. Iso-DCE contours with detectable concentrations of PCE and TCE (ug/l), Chevron Station site, Albuquerque, New Mexico.

Ever Ready 0.1/ 1-23-91
Island of Rio Bravo

10:00 Met Shawn to conduct manhole survey

Loc. ID	PID Reading (ppm)	Background (ppm)
MH-1	0.0	0.0
MH-2	0.0	0.0
MH-3	4.0	0.0
MH-4	4.0	0.0
MH-5	0.0	0.0
MH-6	3.0	0.0
MH-7	17.0	0.0

↳ Bell System manhole

MH-1 thru MH-6 were sewer manholes
MH-7 was manhole for Bell Systems

We recognized soil contamination in soil samples from boreholes BH-6 and W-21. Organic-vapor concentration were 96 and 1518 ppm, respectively.

CONCLUSIONS

There appears to be two areas of gasoline-related soil and ground-water contamination at the site. These two areas appear to overlap. The first area is near the tanks and dispensers, north of the Chevron Station building (Fig. 1). This contamination appears to extend southward under the station building near the area of well W-12. The second area is in the northeast corner of the station property. In this area, the contamination occurs north of the station property, an unknown distance, and southward parallel to Isleta Boulevard near well W-9.

The gasoline-related contamination near the tank and dispenser, north of the Chevron Station building, likely resulted from leaks or spills in that area. This contamination has migrated downgradient and coalesces with the plume migrating southward from the northeast corner of the property. The contamination, near the northeast corner of the property may have migrated from an upgradient source. This source could have been the Plateau Station site (vacant lot immediately north of the Chevron Station site, Fig. 1) and/or the utility corridor along Isleta Boulevard. Gasoline-related contamination has been reported in manholes along Isleta Boulevard, upgradient of the site, since the early 1980s.

There appears to be a plume of chlorinated solvents, which is not associated with the gasoline contamination. This plume appears to be migrating onsite from an upgradient area.

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CERTIFICATION STATEMENT

I certify I am personally familiar with the information submitted in this report and the report was prepared under my direct supervision.

Robert W. Newcomer, Jr.
John W. Shomaker, Inc.

APPENDIX A

1-3-92

Every Ready Oil & Isleta Fuels Error

08:35 JLP, RLP pick up master well log from Ever Ready office

09:05 arr. loc. Begin surveying well head elevs.

Sta. 1

Location	Reading (FT)	Elev. (FT)	Comments
Shot to concrete Retaining wall N. side of site, E. end	3.46	100.00	assumed elev. Instr. HT = 103.46
MW-7	4.83	98.63	T.O.C. N. Side
MW-2	5.37	98.09	" " "
OW-6	5.27	98.19	" " "
MW-6	4.68	98.78	" " "
OW-4	4.45	99.01	" " "
MW-10	5.53	97.93	" " "
MW-1	4.88	98.58	Water Stick T.O.C.
MW-3	4.37	99.09	T.O.C. N. Side
MW-8	4.04	99.42	" " "
Sta. 2			
MW-10		97.93	T.O.C. N. Side
Instrument HT	5.73	103.66	" " "
MW-8	4.24	99.42	" " "
MW-5	4.89	98.77	" " "
MW-4	4.16	99.50	Water stick T.O.C.
MW-9	4.50	99.16	T.O.C. N. Side
OW-2	4.69	98.97	T.O.C. N. Side
OW-1		99.60	

(3)

1-3-92

Every Ready Oil: Isleta & Rio Bravo

Sta. 3

Location	Reading (FT)	Elev. (FT)	Comments
MW-10	5.70	97.93	T.O.C. N [illegible]
Instru. HT		103.63	
MW-4	4.14	99.49 → 99.50 from Sta. 2	" " "
OW-2	4.66	98.97	" " "

Sta. 4

BM	3.89	100.00	Instrument HT = 103.89
OW-1	4.29	99.60	T.O.C. N [illegible]

Unable to locate monitor wells OW-5 & [illegible]

11:15 Measure Fluid levels

[illegible] #	loc.	Fluid Depth (FT)	Product Thickness (FT)	[illegible]
W-8	MW-3	8-0.45 = 7.55	—	91.54
W-7	MW-1	8-0.96 = 7.04	—	91.54
W-10	MW-10	7-0.58 = 6.42	—	91.51
W-12	MW-5	8-0.72 = 7.28	—	91.47
W-11	MW-4*	8.5-0.51 = 7.99	—	91.51
W-9	MW-8	8.6-0.71 = 7.89	—	91.53
W-14	MW-9	8-0.30 = 7.70	—	91.46
W-13	OW-2	8.5-0.92 = 7.58	—	91.39
W-6	OW-4	8-0.55 = 7.45	—	91.56
W-2	OW-6	7-0.42 = 6.58	—	91.61
W-1	MW-6	8-0.85 = 7.15	—	91.63
W-3	MW-2	7-0.54 = 6.46	—	91.63
W-4	MW-7	7.5-0.49 = 7.01	—	91.62
W-5	OW-1	8.5-0.46 = 8.04	—	91.56

* used Sta. 2 elev.

1-3-92

Every Ready Oil & Tidal [illegible]

MW-3 – 2" dia. PVC casing, locking pipe plug, 8" dia manway w/ bolt [illegible]

MW-1 – 2" dia PVC casing, locking pipe [illegible] 8" dia. manway w/ bolt on [illegible]

MW-10 – As above

MW-5 – As above

MW-4 – As above

MW-8 – As above

MW-9 – As above

OW-2 – 2" dia. PVC, locking pipe [illegible], above ground completion, no protective [illegible]

OW-6 – As above

OW-6 – As above

OW-1 – As above

MW-6 – 2" dia. PVC casing, locking pipe plug, 8" dia. manway w/ bolt on lid

MW-2 – As above

MW-7 – As above

In addition to master key # 290 [illegible] need #s 3232 & 3252

Ever Ready Oil 1-20-92
Delta of Rio Bravo

08:00 Load eqpt For Sampling, buy gloves
08:50 RLP, STF arr loc. begin measuring [illegible] levels
09:30 W-1 (MW-6) purge well by bailing 3+ well Vols.
09:40 Collected 2-40ml vials pres. w/ HCl & $HgCl_2$, placed on ice
Water had a HCarb. Odor, [illegible]
09:50 W-2 (OW-6) purge well by bailing 3+ well Vols.
discharge Slightly cldy tan, slight [illegible]
10:05 collected 2-40ml vials [illegible] & $HgCl_2$, placed on ice
10:10 W-3 (MW-2) purge well by bailing 5+ gals,
discharge moderately cldy grey, [illegible]
sheen noted on water surface.
10:50 collected 2-40ml vials pres. w/ HCl & $HgCl_2$ placed on ice
11:05 W-4 (MW-7) purged well by bailing 5+ gals,
discharge moderately cldy, grey, HCarb odor.
11:15 collected 2-40ml vials [illegible] & $HgCl_2$, placed on ice.
11:25 W-5 (OW-1) purged well by bailing 5+ gals,
discharge slightly cldy, grey, HCarb odor
11:35 collected 2-40ml vials pres. w/ HCl & $HgCl_2$, placed on ice

Ever Ready Oil / Isleta & Rio Bravo

1-20-92

11:55 W-6 (OW-4) purged well by bailing 5+ gals, discharge slightly cld, tan.
12:05 collected 2-40ml vials pres. w/ HCl & $HgCl_2$, placed on ice

13:20 W-7 (MW-1) purged well by bailing 5+ gals discharge slightly cloudy, grey-BK, Hcarb. odor
13:40 collected 2-40 ml vials pres. w/ HCl & $HgCl_2$, placed on ice.

13:45 W-8 (MW-3) purged well by bailing 5+ gals, discharge moderately cloudy, grey black, Hcarb. odor
13:55 collected 2-40ml vials pres. w/ HCl & $HgCl_2$, placed on ice.
Locking pipe plug broken don't [illegible] properly

14:00 W-9 (MW-8) purged well by bailing 5+ gals discharge slightly cloudy, grey, Hcarb. odor. Foam
14:10 collected 2-40ml vials pres. w/ HCl & $HgCl_2$, placed on ice.

14:15 W-10 (MW-10) purged well by bailing 5+ gals. discharge moderately cldy, tan, slight Hcarb odor
14:25 collected 2-40ml vials pres. w/ HCl & $HgCl_2$, placed on ice

14:35 W-11 (MW-4) purged well by bailing 5+ gals discharge foamy moderately cldy, grey, Hcarb odor. 14:50 Sample collected 2-40ml vials pres. w/ HCl + $HgCl_2$, placed on Ice.

EVER READY 0:1 1-20-92
Isleta + Rio Bravo

14:55 W-12 (MW-5) purge well by bailing 5+ gals discharge moderately cloudy, Tan, H-carbon odor.
15:00 collected 2-40 ml vials pres. w/ HCl + $HgCl_2$, pres. on ice.
15:20 W-13 (MW-2) purge well by bailing 5' gals discharge mod. cldy, brn, NO H-carbon odor
15:30 collected 2-40ml vial pres w/ HCl + $HgCl_2$ placed on ice.
15:40 W-14 (MW-9) purged well by bailing 5+ gals. discharge mod. cldy, brn, H-carbon odor
15:50 collected 2-40ml vials pres. w/ HCl & $HgCl_2$, placed on ice

JOHN W. SHOMAKER, INC.
GEOLOGY-HYDROGEOLOGY
2703 BROADBENT PARKWAY NE, SUITE D
ALBUQUERQUE, NEW MEXICO 87107
(505) 345-3407

SITE LOCATION: Ever Ready Oil / Isleta & Rio Bravo
DATE: 1-20-92

FLUID-LEVEL MEASUREMENTS (FT.)

well ident.	measuring pt. elevation	depth to fluid	fluid elevation	product thickness
(MW-6) W-1	98.78	8-0.71 7.29	91.49	—
(OW-6) W-2	98.19	7-0.31 6.69	91.50	—
(MW-2) W-3	98.09	7-0.40 6.60	91.49	—
(MW-7) W-4	98.63	8-0.84 7.16	91.47	—
(OW-1) W-5	99.60	9-0.83 8.17	91.43	—
(OW-4) W-6	99.01	8-0.43 7.57	91.44	—
(MW-1) W-7	98.58	8-0.87 7.13	91.45	—
(MW-3) W-8	99.09	8-0.35 7.65	91.44	—
(MW-8) W-9	99.42	9-0.96 8.04	91.38	—
(MW-10) W-10	97.93	7-0.46 6.54	91.39	—
(MW-4) W-11	99.50	9-0.89 8.11	91.39	—
(MW-5) W-12	98.77	8-0.58 7.42	91.35	—
(OW-2) W-13	98.97	8-0.29 7.71	91.26	—
(MW-9) W-14	99.16	9-1.13 7.87	91.29	—

( ) - Previous well identification

Analytical Technologies, Inc.
Phoenix, Arizona

Chain of Custody

DATE 1-20-92 PAGE 1 OF 1

PROJECT MANAGER: E.A. Newcomer

COMPANY: John W. Shomaker, Inc.
ADDRESS: 2703-D Broadbent Pkwy, NE
Albuquerque, NM 87107

BILL TO: Jim Shepherd
COMPANY: Ever Ready Oil Co., Inc.
ADDRESS: P.O. Box 25845
Albuquerque, NM 87125

SAMPLERS: (Signature)

(505) 345-3407
PHONE NUMBER

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
W-1	1/20/92	9:30	water	
W-2	"	9:50	"	
W-3	"	10:10	"	
W-4	"	11:05	"	
W-5	"	11:25	"	
W-6	"	11:56	"	
W-7	"	13:20	"	
W-8	"	13:45	"	
W-9	"	14:00	"	

ANALYSIS REQUEST

	Petroleum Hydrocarbons (418.1)		(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010) + EDB	Aromatic Hydrocarbons (602/8020)	MTBE	MTBE by GC/MS	Pesticides/PCB (608/8080)	Herbicides (615/8150)		Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)				SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)		The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP			NUMBER OF CONTAINERS
W-1						X	X		X																			2
W-2						X	X	X																				2
W-3						X	X		X																			2
W-4						X	X	X																				2
W-5						X	X	X																				2
W-6						X	X	X																				2
W-7						X	X	X																				2
W-8						X	X	X																				2
W-9						X	X	X																				2

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT NO.:	TOTAL NO. OF CONTAINERS	
PROJECT NAME: Ever Ready/Isleta	CHAIN OF CUSTODY SEALS	
P.O. NO.:	INTACT?	
VIA: Fed Ex	RECEIVED GOOD COND./COLD	
TAT: ☐ 24HR ☐ 48 HRS ☐ 1 WK ☒ 2 WKS	LAB NUMBER	

SAMPLE DISPOSAL INSTRUCTIONS
☒ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup (will call)

Comments: preserved with HCl and HgCl
samples kept and shipped on ice

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 17:00	Signature: Time:	Signature: Time:
Printed Name: Roger L. Peery Date	Printed Name: Date	Printed Name: Date
Company: SWS Inc.	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time:
Printed Name: Date:	Printed Name: Date:	Printed Name: Date:
Company:	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001

DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC. • Pink - ORIGINATOR

Analytical Technologies, Inc.
Phoenix, Arizona

Chain of Custody

DATE 1-20-92 PAGE 2 OF 2

PROJECT MANAGER: Eric Freedman

COMPANY: John W. Thomaker, Inc.
ADDRESS: 2703-D Broadbent Pkwy. NE
Albuquerque, NM 87107

BILL TO: Jim Shepherd
COMPANY: Ever Ready Oil Co., Inc.
ADDRESS: P.O. Box 25845
Albuquerque, NM 87125

SAMPLERS: (Signature)

(505) 345-3407
PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010) + EDB	Aromatic Hydrocarbons (602/8020)	MTBE	MTBE by GC/MS	Pesticides/PCB (608/8080)	Herbicides (615/8150)		Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)			SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP			NUMBER OF CONTAINERS
W-10	1/20/92	14:15	water						X	X		X																	2
W-11	"	14:35	"						X	X	X																		2
W-12	"	14:55	"						X	X	X																		2
W-13	"	15:20	"						X	X	X																		2
W-14	"	15:40	"						X	X		X																	2

PROJECT INFORMATION	
PROJECT NO.:	
PROJECT NAME: Ever Ready/Isleta	
P.O. NO.:	
VIA: Fed Ex	
TAT: ☐ 24HR ☐ 48 HRS ☐ 1 WK ☒ 2 WKS	

SAMPLE RECEIPT	
TOTAL NO. OF CONTAINERS	
CHAIN OF CUSTODY SEALS	
INTACT?	
RECEIVED GOOD COND./COLD	
LAB NUMBER	

SAMPLE DISPOSAL INSTRUCTIONS
☒ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup (will call)

Comments: preserved with HCl and HgCl
Samples kept on and shipped with ice

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 17:00	Signature: Time:	Signature: Time:
Printed Name: Date: Roger L. Perry 1-20-92	Printed Name: Date	Printed Name: Date
Company: JWS Inc.	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time:
Printed Name: Date:	Printed Name: Date:	Printed Name: Date:
Company:	Company:	Analytical Technologies, Inc.

Fiber Ready 0:1
FR - Isleta

1/21/91

12:30 Steam

13:00 Steam cleaned teflon bailer + rinsed w/ D.I H_2O

13:40 BR-1; rinsate from bailer (DI-H_2O), bailer will be used to sample H_2O from temporary well in BH-3. Sample pres. w/ HCl + $HgCl_2$

13:45 develop temorary well in BH-3. w/ Bailer cloudy, brn discharge, bailed 5 gal Temporary well screened top of water table.

14:25 develop temporary well in BH-4 w/ bailer, v. cloudy, brown. No [illegible] Discharge clearing after purging 3 gals. Cloudy after purging 4 gals., [illegible] after 5 gals.

14:35 Collected 3-40ml vials pres. w/ HCl + $HgCl_2$, placed on ice

Temporary well [illegible]

BH-3 & BH-4 Filled [illegible]

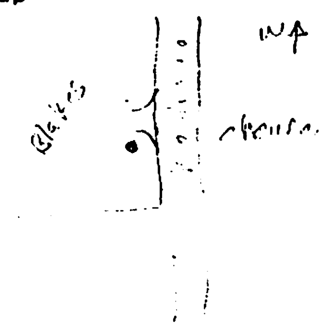
John W. Shomaker, Inc. **Borehole Logging Form**

Client: Every Ready	**Project:** Every Ready/Isleta	**hole:** BH-1	1 of
Site: Chevron at Isleta + Rio Bravo		**date:** 1/21/92	
		time: [illegible]	

Geologist: Steve T. Finch, Jr.	**Contractor:** Every Ready
drill method: Auger 3½ dia	**rig:**

All head space samples collected w/ Hand Auger Bucket
Backfilled w/ ready mix

map



elevation, ft. **land surface:** **t.o.c.**

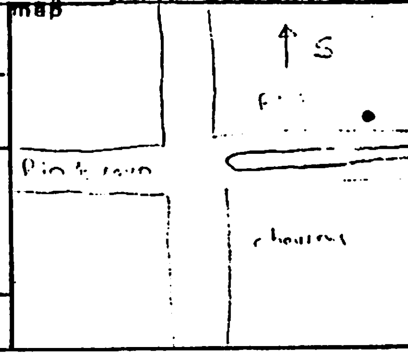
depth, ft.	lith.	Depth ft	OVA PPM	description
0	pavement			Asphalt
0.11	sand + gravel	2.5	4	Med grained sand, Tan, moist w/ ¼ - ½" gravels - rounded to sub rounded
3.0	sand gravel			med grained sand Tan, moist, few gravels minor silt. Head space 2.5' 4 PPM
6.5	sand gravel silt	6.8	2	Head Space @ 6.8' Saturated 6.5' Med grn sand few ½" rounded gravels Tan NO H-carbon odor

John W. Shomaker, Inc. — **Borehole Logging Form**

Client: Every Ready Oil
Project: Every Ready / Isleta
hole: BH-2 — 1 of 1
Site: Chevron Isleta + Rio Bravo
date: 1/21/92
time: 10:30
Geologist: Steve T. Finch, Jr.
Contractor: Every Ready Oil
drill method: Auger 3½" dia
rig:

Back filled w/ ready mix

map



elevation, ft. **land surface:** **t.o.c.**

depth, ft.	lith.	depth ft	OVA (PPM)	description
0				Asphalt (hard)
0.4				med to coarse grained sand w/ ¼" gravels Tan moder
1.0				Moderately rounded gravels ¼ - ½" dia
1.3		2.5	1	med grained to coarse grained sand few ¼" gravels Tan mod. moist 2.5' Head space sample (1 PPM)
3.0				med grained sand few gravels, Tan, V. moist
6.0		6.5	1	Coarse grained, yellow sand, mod. moist (Sugar Sand) 6.5' Head space sample (1 PPM)
TD 6.5'				

John W. Shomaker, Inc.

Borehole Logging Form

Client: Ever Ready Oil | Project: Ever Ready / Isleta | Hole: 3 | 1 of 1

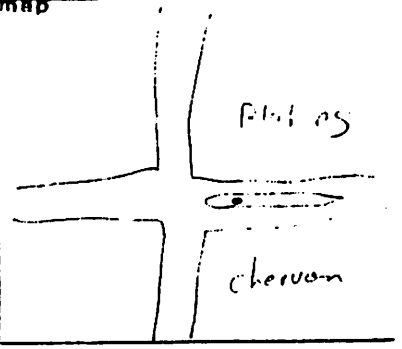
Site: corner at Isleta + Rio Bravo | date: 11/21/91 | time: 11:10

Geologist: Steve T. Finch, Jr. | Contractor: Ever Ready

drill method: Auger 3½ dia | rig:

made Temporary well + took water sample
Backfilled w/ ready mix

map



elevation, ft. | land surface: | l.o.g.

depth, ft.	lith.	depth ft	OVA PPM	description
0		2.5	<1	Silty Sand w/ Gravels, lt brn, v. moist med grained sand 2.5 Head Space sample (<1 PPM)
5.0				med grained Sand, minor silt + gravels, lt brn, v. moist
5.5				coarse grained Sand, yellow, well sorted, moist
6.0		6.5	<1	med grained sand, yellow, well sorted, moist collect Head space sample 6.5' (<1 PPM)
7.5				med grained Sand, lt brn, poorly sorted w/ silt + gravels v. moist
8.0				coarse grained Sand, yellow, well sorted, [illegible]
9.0		9.0	6	T.D. collect Head Space w/ Auger [illegible] (6 PPM)

John W. Shomaker, Inc.

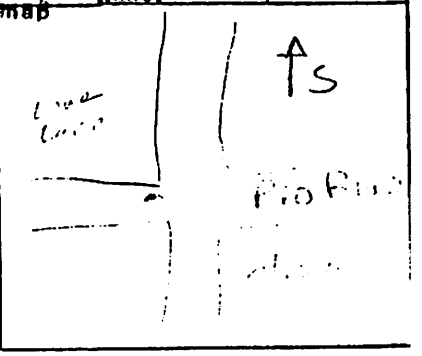
Borehole Logging Form

Client: Ever Ready Oil | Project: Ever Ready/Isleta | hole: 4 | 1 of 1

Site: Chevron at Isleta + Rio Bravo | date: 1/21/92 | time: 11:40

Geologist: Steve T. Finch, Jr | Contractor: Ever Ready

drill method: Auger 3 1/2 dia | rig:

map: 

made Temporary well, developed, & sampled water
Backfilled with ready mix

elevation, ft. | land surface: | t.o.c.

depth, ft.	lith.	depth ft	OVA ppm	description
.0				poorly sorted sands, gravels, silty
2.0		2.5	<1	coarse grained sand, Lt Brn, Moist. 2.5 Head space sample (<1PPM)
3.5		4.0	<1	Sandy Silt, minor clay, very moist, 4.0 Head space sample (<1PPM)
5.0				Silty w/ some clay, gray brn,
5.5		5.8	<1	med. grained sand Lt Brn, moist Head space sample 5.8' (<1PPM)
8.0				coarse grained well sorted, Lt Brn [illegible]
10.0				" " " " " " , v. moist [illegible] Head space sample (6 ppm)

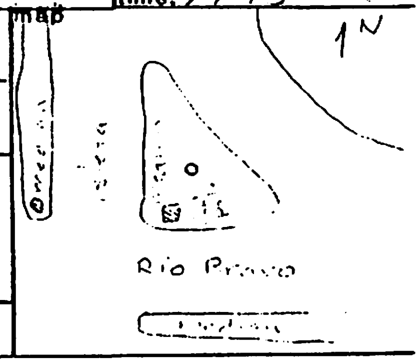
John W. Shomaker, Inc.

Borehole Logging Form

Client: Ever Ready Oil	Project: Ever Ready / Isleta	Hole: B-5	1 of 1
Site: Isleta & Rio Bravo		date: [illegible]	time: 14:45
Geologist: Steve T. Finch, Jr.	Contractor: Ever Ready		
drill method: Auger 3½"	rig:		

Backfilled + plugged w/ Quikrete

map:



elevation, ft. | land surface: | t.o.c.

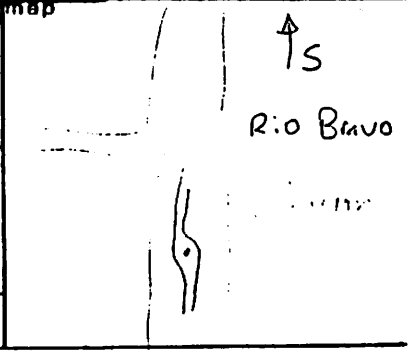
depth, ft.	lith.	depth ft	OVA PPM	description
0				Asphalt
0.4		2.0	<1	Med grained sand + gravels, Tan, v. moist 2.0 ft head space sample (<1 PPM)
3.5				Silty sand w/ some clay, Brn, v. moist
4.5				organic rich dark grey-brn silty clay
5.5		5.0	2	Med - coarse grained sand, Lt Brn, v. moist
6.5				sugar sand, coarse well sorted sand, yellow, moist
8.5		8.5	2	sand, v. crse, moist to wet, no hyd. odors detected sample collected for headspace analysis

John W. Shomaker, Inc.

Borehole Logging Form

Client: Every Ready	Project: Ever Ready / Isleta	hole: RH-6	1 of 1
Site: Chevron at Isleta + Rio Bravo		date: 1/21/[illegible]	
		time: [illegible]	
Geologist: Steve T. Finch Jr.	Contractor: Ever Ready	map	
drill method: 3.5" Auger	rig:		

Backfilled w/ ready mix



elevation, ft. | land surface: | t.o.c.

depth, ft.	lith.	depth ft	OVA PPM	description
0		2	26	coarse sand, tan, w/ gravels, moist
3.0				med sand w/ silt + gravels, Lt Brn, v. moist
4.5		5	92	silty sand w/ some clay dk Brn, moist (Brn) 5.0 Head space Hi-carbon odor
5.5				sugar sand, organic, Hi-C odor, dark Grey v. moist
8.0		8.5	3	" " " " " " , saturated collect head space sample @ 8.5'

John W. Shomaker, Inc.

Borehole Logging Form

Client: Ever Ready Oil | Project: Ever Ready / Isleta | hole: GH-7 | 1 of 1

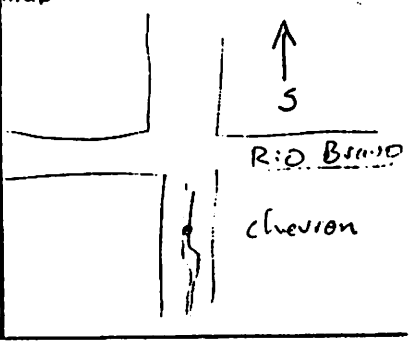
Site: Chevron @ Isleta & Rio Bravo | date: 1/21/92 | time: 15:50

Geologist: Steve T. Finch, Jr. | Contractor: Ever Ready

drill method: Auger 3 1/2" dia | rig:

backfilled w/ ready mix

map



elevation, ft. | land surface: | l.o.g.

depth, ft.	lith.	depth ft	OVA PPm	description
0		2	<1	Dark - brown Sand, Tan w/ Gravel, V. mr
3.0				silty Sand, med. gr., Tan, V. moist
5.0		5	<1	med gr. Sand, Tan, minor silt, moist
6.0				med gr. Sand, Tan, moist
7.5				Sugar Sand, moist, Tan
8.0		8.5	<1	V. coarse Sand, ("Sugar"), Tan saturated
				Head space sample 8.5'

John W. Shomaker, Inc.

Borehole Logging Form

Client: Ever Ready Oil | Project: Ever Ready / Isleta | hole: B11-8 | 1 of 1

Site: Chevron at Isleta + Rio Bravo | date: 1/21/92

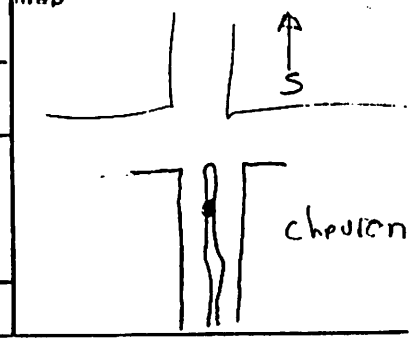
time: 16:20

Geologist: Steve T. Finch, Jr. | Contractor: Ever Ready

drill method: Auger 3½" dia | rig:

backfilled w/ ready mix

map



elevation, ft. | land surface: | l.o.g.

depth, ft.	lith.	depth ft	OVA PPM	description
0		2	1	silty Sand, Tan. w/ gravels, D. moist
2.0		5	<1	silty Sand, Lt Brn, w/ minor clay, moist
7.5				Sugar Sand, med. gr., Tan, moist
8.0		8.5	<1	Sugar Sand, coarse gr., Tan, Saturated

John W. Shomaker, Inc.

Borehole Logging Form

Client: Ever Ready Oil | Project: Ever Ready / Isleta | hole: B11-9 | 1 of 1

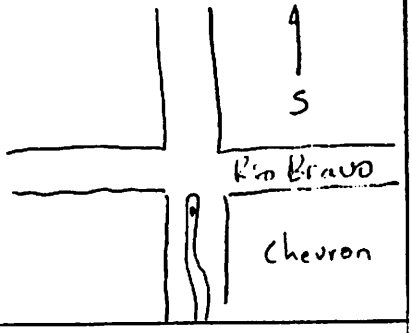
Site: Chevron at Isleta + Rio Bravo | date: 1/21/92 | time: 16:35

Geologist: Steve T. Finch, Jr. | Contractor: Ever Ready

drill method: Auger 3½" dia | rig:

backfilled w/ ready mix

map



elevation, ft. | land surface: | t.o.c.

depth, ft.	lith.	depth ft	OVA ppm	description
0		2		med gr. sand, tan, gravels, moist
0		2	Cl	silty clay, Lt Brn, v. moist
6.0		5	Cl	sugar sand, med. gr. tan, moist
8.0		B.T	1	Sugar Sand, coarse gr. tan saturated

Analytical Technologies, Inc.
Phoenix, Arizona

Chain of Custody

DATE [illegible] PAGE [illegible] OF [illegible]

PROJECT MANAGER: [illegible]

COMPANY: [illegible]
ADDRESS: [illegible]

BILL TO: [illegible]
COMPANY: Ever Ready Oil Co., Inc.
ADDRESS: P.O. Box 25845
Albuquerque NM 87125

SAMPLERS: (Signature) [illegible]
PHONE NUMBER (505) 345-3407

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	MTBE	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP (1311)	NUMBER OF CONTAINERS
BH-1 7'	1/21/92	10:30	soil				X				X												1
EH-6 6'	"	15:30	"				X				X												1
EH-3	"	14:00	water						X	X	X												2
EH-4	"	14:35	"						X	X	X												2
ER-1	"	13:40	"						X	X	X												2

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NO:		TOTAL NO. OF CONTAINERS	
PROJECT NAME:	Ever Ready, [illegible]	CHAIN OF CUSTODY SEALS	
P.O. NO.		INTACT?	
SHIPPED VIA:	Fed Ex	RECEIVED GOOD COND./COLD	
SAMPLE DISPOSAL INSTRUCTIONS		LAB NUMBER	
☒ ATI	☐ RETURN		

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

TAT: (NORMAL) ✓ (RUSH) ☐ 24 ☐ 48 ☐ 72 ☐ 1 WEEK

Comments: [illegible]

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [illegible] Time: 17:40	Signature: Time:	Signature: Time:
Printed Name: [illegible] Date [illegible]	Printed Name: Date	Printed Name: Date
Company: [illegible] Inc	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time:
Printed Name: Date:	Printed Name: Date:	Printed Name: Date:
Company:	Company:	Analytical Technologies, Inc.

Ever Ready / Isleta 1-22-92

08:15 Shawn w/ E.R. called postponed to 09:30

08:30 called Shawn to schd. for later ~13:00 to see if he had all his material. He said he had all supplies & probably could not get to site until ~11:00, but would be back.

09:40 ± Shawn, schd. drilling for 13:00

Ever Ready Oil / Islands 1-29-[illegible]

9:30 arr. loc. RLP and RWN, set up to measure elevations of new wells

Sta. 1

loc.	Reading	Elev.	[illegible]
MP on well	4.08	100.00	
Instrument height		104.08	
MW-15	3.80	100.28	T.O.C. high side
MW-16	3.91	100.17	" "
MW-17	3.74	100.34	" "
Benchmark	3.21	100.87	[illegible]
MW-19	3.78	100.30	T.O.C high side
MW-18	4.26	99.82	T.O.C. high side

10:00 RLP left loc.

10:30 Developed MW-15, -16, -17, -18, -19 with clean PVC bailers and nylon rope. Bailed between 5-10 gals from each well.

13:00 Left loc., RWN

Ever Ready / Isleta

15:15 well 18 , purged 3 gallons from well with disposable PVC bailer and nylon rope. collected 2 40-ml vials with HCl and HgCl pres. placed samples on ice

15:25 well 19 purged 3 gallons from well w/ disposable bailer and Nylon rope. 15:25 collected 2 40-ml vials w/HCl + HgCl, pres. placed samples on ice,

15:40 well 17 purged well, discharge v. cldy dk Brn, bailed 3 gallons w/ disposable bailer and Nylon rope. 15:40 collected 2 40-ml vials w/HCl + HgCl pres. + placed on ice.

15:50 well 16 purged well w/ disposable bailer and Nylon rope. Bailed 3 gallons. Discharge cloudy, Lt Brn. collected 2 40-ml vials w/ HCl + HgCl pres. Placed on ice.

16:00 well 15 purged well w/ disposable bailer and Nylon rope. Bailed 3 gallons. Discharge cloudy, Lt Brn. Collected 2 40-ml vials w/ HCl + HgCl pres. Placed on ice.

Analytical Technologies, Inc.
Phoenix, Arizona

Chain of Custody

DATE 1/30/12 PAGE 1 OF 1

PROJECT MANAGER: Bob Newcomer

COMPANY: John W. Shomaker, Inc.
ADDRESS: 2703-D Broadbent Pkwy NE
Albuquerque, NM 87107

BILL TO: Jim Shepherd
COMPANY: Ever Ready Oil Co., Inc.
ADDRESS: P.O. Box 25845
Albuquerque NM 87125

SAMPLERS: (Signature)

(505) 345 3407
PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010) + EDB	Aromatic Hydrocarbons (602/8020)	MTBE	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP	NUMBER OF CONTAINERS
W-18	1/30/12	15:15	water						X	X	X												2
W-19	"	15:25	"						X	X	X												2
W-17	"	15:40	"						X	X	X												2
W-16	"	15:50	"						X	X	X												2
W-15	"	16:00	"						X	X	X												2

PROJECT INFORMATION

PROJECT NO.: 011.201
PROJECT NAME: Ever Ready/Isleta
P.O. NO.:
VIA: Fed Ex
TAT: ☐ 24HR ☐ 48 HRS ☐ 1 WK ☒ 2 WKS

SAMPLE RECEIPT

TOTAL NO. OF CONTAINERS
CHAIN OF CUSTODY SEALS
INTACT?
RECEIVED GOOD COND./COLD
LAB NUMBER

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup (will call)

Comments: preserved with HCl, HgCl and placed on ice. Verbals when available

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 5:00	Signature: Time:	Signature: Time:
Printed Name: Date 1/30/12	Printed Name: Date	Printed Name: Date
R.W. Newcomer		
Company: J.W. Shomaker, Inc.	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time:
Printed Name: Date:	Printed Name: Date:	Printed Name: Date:
Company:	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001

DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC. • Pink - ORIGINATOR

Elevation calculations

cw05: 5/5/92

new i.d.	old i.d.	Surveyor, 11/90 m.p. elev., ft	JWS, Inc. m.p. elev., ft	diff. *	well cover type
MW-1	MW-06	4928.73	4928.22	.51	manhole
OW-2	OW-06	4927.93	4927.63	.30	pipe plug
MW-3	MW-02	4928.21	4927.53	.68	manhole
MW-4	MW-07	4928.80	4928.07	.73	manhole
OW-5	OW-01	4929.35	4929.04	.31	pipe plug
OW-6	OW-04	4928.74	4928.45	.29	pipe plug
MW-7	MW-01	4928.52	4928.02	.50	manhole
MW-8	MW-03	4929.12	4928.53	.59	manhole
MW-9	MW-08	4929.47	4928.86	.61	manhole
MW-10	MW-10	4928.02	4927.37	.65	manhole
MW-11	MW-04	4929.52	4928.94	.58	manhole
MW-12	~~OW-05~~ MW-05	4928.82	4928.21	.61	manhole
OW-13	OW-02	4928.73	4928.41	.32	pipe plug
MW-14	MW-09	4929.20	4928.60	.60	manhole

* It appears the surveyor measured elevations with locking caps on pipe and to the tops of the manhole covers. Therefore, the water-level measurements using these elevations in Kranjcevich's reports are <u>not</u> correct.

Ron

Ever Ready / Isleta

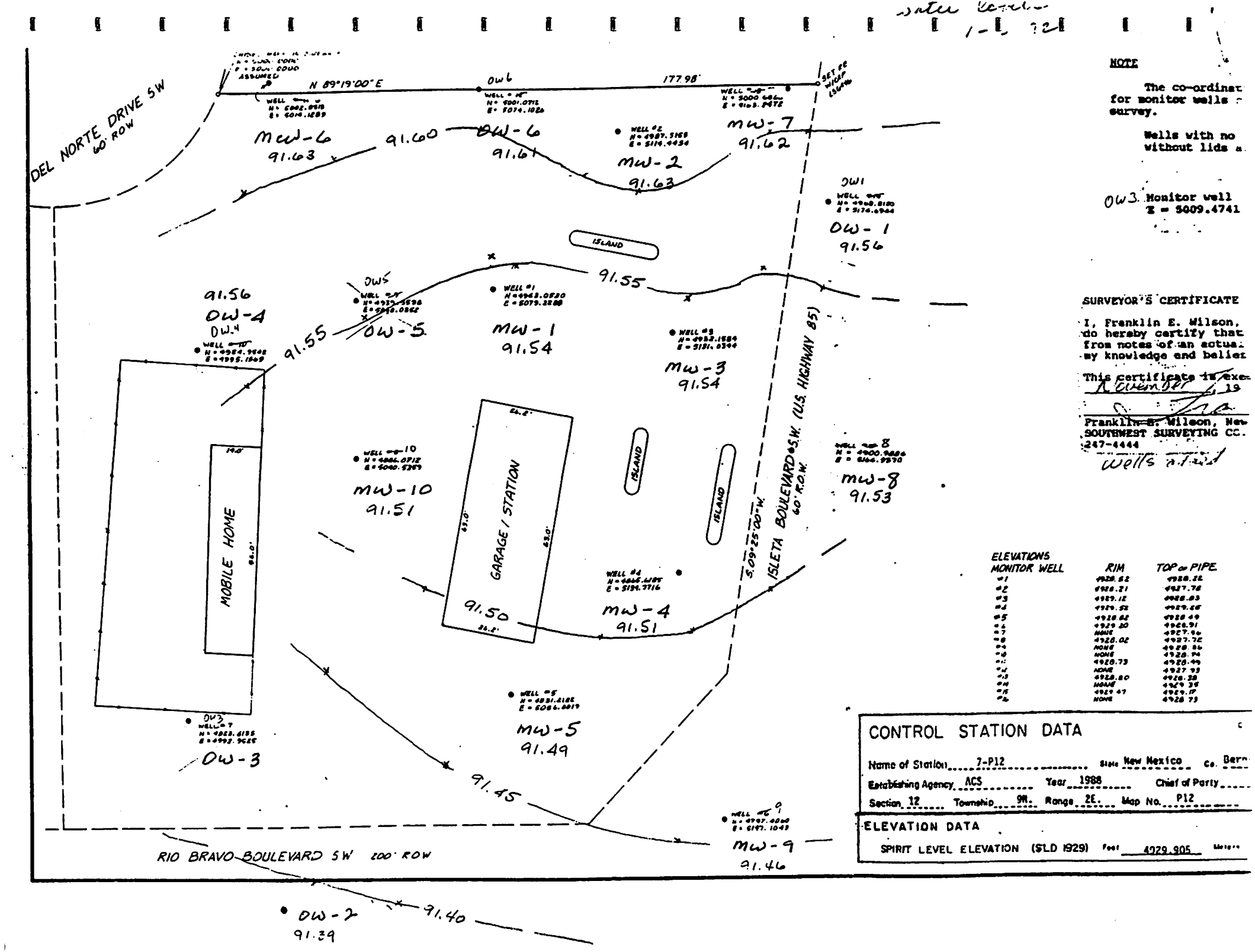
1-22-92

ELEVATIONS

monitor well	meas. pt. relative elev., ft	meas. pt. elev., ft
W-1	98.78	4928.22
W-2	98.19	4927.63
W-3	98.09	4927.53
W-4	98.63	4928.07
W-5	99.60	4929.04
W-6	99.01	4928.45
W-7	98.58	4928.02
W-8	99.09	4928.53
W-9	99.42	4928.86
W-10	97.93	4927.37
W-11	99.50	4928.94
W-12	98.77	4928.21
W-13	98.97	4928.41
W-14	99.16	4928.60
B.M. (concrete on N. side of site)	100.00	4929.44
W-15	100.28	4929.72
W-16	100.17	4929.61
W-17	100.34	4929.78
W-18	99.82	4928.64
W-19	100.30	4929.74
W-20	100.31	4929.75
W-21	99.52	4928.96
W-22	99.54	4928.98
W-23	99.47	4928.91
W-24	99.26	4928.70

1-29-92

2/13/92



NOTE

The co-ordinat for monitor wells - survey.

Wells with no without lids a

OW3. Monitor well E = 5009.4741

SURVEYOR'S CERTIFICATE

I, Franklin E. Wilson, do hereby certify that from notes of an actua my knowledge and belief

This certificate is exe- [illegible] 19

Franklin E. Wilson, New SOUTHWEST SURVEYING CO. 247-4444

wells 7-12

ELEVATIONS

MONITOR WELL	RIM	TOP of PIPE
#1	4928.52	4928.22
#2	4928.21	4927.76
#3	4929.12	4928.83
#4	4929.52	4929.26
#5	4928.62	4928.49
#6	4929.20	4926.91
#7	NONE	4927.94
#8	4928.02	4927.72
#9	NONE	4928.86
#10	NONE	4928.94
#11	4928.73	4928.49
#12	NONE	4927.93
#13	4928.80	4926.38
#14	NONE	4929.36
#15	4929.47	4929.17
#16	NONE	4928.73

CONTROL STATION DATA

Name of Station 7-P12 State New Mexico Co. Bern

Establishing Agency ACS Year 1988 Chief of Party

Section 12 Township 9N. Range 2E. Map No. P12

ELEVATION DATA

SPIRIT LEVEL ELEVATION (SLD 1929) Feet 4929.905 Meters

corrected elevations RWN 2/5/92

WATER ELEVATION MEASUREMENTS Date March 6, 1991

Well #	Top of Rim Elevation	Ft. Below Grade	JWS, Inc. m.p. elev.	Water Level Elevation	corrected W.L.
MW-01	4928.52	7.60	4928.02	4920.92	4920.42
MW-02	4928.21	7.27	4927.53	4920.94	4920.26
MW-03	4929.12	8.21	4928.53	4920.91	4920.32
MW-04	4929.52	8.67	4928.94	4920.85	4920.27
MW-05	4928.82	7.99	4928.21	4920.83	4920.22
MW-06	4928.73	7.64	4928.22	4921.09	4920.58
MW-07	4928.80	7.75	4928.07	4921.05	4920.32
MW-08	4929.47	8.61	4928.86	4920.86	4920.25
MW-09	4929.20	8.43	4928.60	4920.77	4920.17
MW-10	4928.02	7.11	4927.37	4920.91	4920.26
	Top of Pipe				
OW-01	4929.35	8.43	4929.04	4920.92	4920.61
OW-02	4928.73	7.88	4928.41	4920.85	4920.53
OW-03	4927.56	6.73	destroyed	4920.83	—
OW-04	4928.74	7.84	4928.45	4920.90	4920.61
OW-05	4928.36	7.47	4928.21	4920.89	4920.71
OW-06	4927.93	6.88	4927.63	4921.05	4920.75

Top of Rim and Top of Pipe elevations taken from survey prepared by Franklin E. Wilson, Surveyor No 6446, Southwest Surveying Co, 333 Lomas NE, Albuquerque, NM Dated 2/7/91

WATER ELEVATION MEASUREMENTS Date March 13, 1991

Well #	Top of Rim Elevation	Ft. Below Grade	Water Level Elevation	corrected ??
MW-01	4928.52	7.56	4920.96	4920.46
MW-02	4928.21	7.23	4920.98	4920.30
MW-03	4929.12	8.18	4920.94	4920.35
MW-04	4929.52	8.61	4920.91	4920.33
MW-05	4928.82	7.97	4920.84	4920.24
MW-06	4928.73	7.63	4921.10	4920.59
MW-07	4928.80	7.81	4920.99	4920.26
MW-08	4929.47	8.57	4920.96	4920.29
MW-09	4929.20	8.38	4920.82	4920.22
MW-10	4928.02	7.08	4920.94	4920.29
	Top of Pipe			
OW-01	4929.35	8.36	4920.99	4920.68
OW-02	4928.73	7.90	4920.83	4920.51
OW-03	4927.56	6.68	4920.88	—
OW-04	4928.74	7.77	4920.97	4920.68
OW-05	4928.36	7.44	4920.92	4920.77
OW-06	4927.93	6.95	4920.98	4920.68

Top of Rim and Top of Pipe elevations taken from survey prepared by Franklin E. Wilson, Surveyor No 6446, Southwest Surveying Co, 333 Lomas NE, Albuquerque, NM Dated 2/7/91

WATER ELEVATION MEASUREMENTS Date March 21, 1991

Well #	Top of Rim Elevation	Ft. Below Grade	Water Level Elevation	corrected w.l.
MW-01	4928.52	7.41	4921.11	4920.61
MW-02	4928.21	7.08	4921.13	4920.45
MW-03	4929.12	8.01	4921.11	4920.52
MW-04	4929.52	8.67	4920.85	4920.27
MW-05	4928.82	7.81	4921.01	4920.40
MW-06	4928.73	7.59	4921.14	4920.63
MW-07	4928.80	7.66	4921.14	4920.41
MW-08	4929.47	8.42	4921.05	4920.44
MW-09	4929.20	8.22	4920.98	4920.38
MW-10	4928.02	6.92	4921.10	4920.45
	Top of Pipe			
OW-01	4929.35	8.32	4921.03	4920.72
OW-02	4928.73	7.88	4920.85	4920.53
OW-03	4927.56	6.63	4920.93	—
OW-04	4928.74	7.75	4920.99	4920.70
OW-05	4928.36	7.37	4920.99	4920.84
OW-06	4927.93	6.88	4921.05	4920.75

Top of Rim and Top of Pipe elevations taken from survey prepared by Franklin E. Wilson, Surveyor No 6446, Southwest Surveying Co, 333 Lomas NE, Albuquerque, NM Dated 2/7/91

WATER ELEVATION MEASUREMENTS Date March 28, 1991

Well #	Top of Rim Elevation	Ft. Below Grade	Water Level Elevation	corrected D.I.
MW-01	4928.52	7.40	4921.12	4920.62
MW-02	4928.21	7.09	4921.12	4920.44
MW-03	4929.12	8.01	4921.11	4920.52
MW-04	4929.52	8.47	4921.05	4920.47
MW-05	4928.82	7.80	4921.02	4920.41
MW-06	4928.73	7.76	4920.97	4920.46
MW-07	4928.80	7.65	4921.15	4920.42
MW-08	4929.47	8.51	4920.96	4920.35
MW-09	4929.20	8.22	4920.98	4920.38
MW-10	4928.02	6.92	4921.10	4920.45
	Top of Pipe			
OW-01	4929.35	8.32	4921.03	4920.72
OW-02	4928.73	7.88	4920.85	4920.53
OW-03	4927.56	6.64	4920.92	—
OW-04	4928.74	7.75	4920.99	4920.70
OW-05	4928.36	7.37	4920.99	4920.84
OW-06	4927.93	6.88	4921.05	4920.75

Top of Rim and Top of Pipe elevations taken from survey prepared by Franklin E. Wilson, Surveyor No 6446, Southwest Surveying Co, 333 Lomas NE, Albuquerque, NM Dated 2/7/91

corrected measuring point elevations and water levels Row Gw55, elev.

2/5/92

WATER ELEVATION MEASUREMENTS Date April 3, 1991

Well #	Top of Rim Elevation	Ft. Below Grade	Water Level Elevation	corrected
MW-01	4928.52	7.38	4921.14	4920.64
MW-02	4928.21	7.07	4921.14	4920.46
MW-03	4929.12	7.98	4921.14	4920.55
MW-04	4929.52	8.44	4921.08	4920.50
MW-05	4928.82	7.78	4921.04	4420.43
MW-06	4928.73	7.58	4921.15	4920.64
MW-07	4928.80	7.63	4921.17	4920.44
MW-08	4929.47	8.39	4921.08	4920.47
MW-09	4929.20	8.20	4921.00	4920.40
MW-10	4928.02	6.90	4921.12	4920.47
	Top of Pipe			
OW-01	4929.35	8.32	4921.03	4920.72
OW-02	4928.73	7.85	4920.88	4920.56
OW-03	4927.56	6.61	4920.95	—
OW-04	4928.74	7.84	4920.95	4920.61
OW-05	4928.36	7.35	4921.01	4920.86
OW-06	4927.93	6.84	4921.09	4920.79

Top of Rim and Top of Pipe elevations taken from survey prepared by Franklin E. Wilson, Surveyor No 6446, Southwest Surveying Co, 333 Lomas NE, Albuquerque, NM Dated 2/7/91

Ever Ready Oil / Isleta

08:40 RLP arr. loc. / Shawn w/ E.R. on site, preparing eqpt., discuss drilling plans. Waiting for orange cones to arr. so drilling can begin in row on Isleta Blvd.

09:10 Mob. to W-20

10:00 SIF ARV. RLP LV loc.

10:20 Start on W-21, North side of station.

10:30 Contractor had utilities person spot electrical lines in median at Isleta + Rio Bravo

11:30 Contractor went to D-CON Auger

Developed all wells by bailing w/ clean PVC bailers suspended from nylon rope. A sheen was noted on water purged from monitor well W-21

John W. Shomaker, Inc.

Borehole Logging Form

Client: Ever Ready O:1 | Project: Isleta | hole: LW-20 | of

Site: Isleta | date: 2-10-20 | time: 0920

Geologist: R.P | Contractor: Ever Ready | map

drill method: Auger, 4" dia | rig:

elevation, ft. | land surface: | t.o.c.

depth, ft.	lith.	sample depth	Head-space ppm	description
0.-6.5		4	71.0	sand, med-coarse, brn; gravel → 3/4" d.a., minor silt, moist
6.5-8.5		7	1.0	sand, med., brn, well sorted, moist
8.5-15 TD				sand, Fine-coarse, brn; gravel → 3/4" dia., saturated

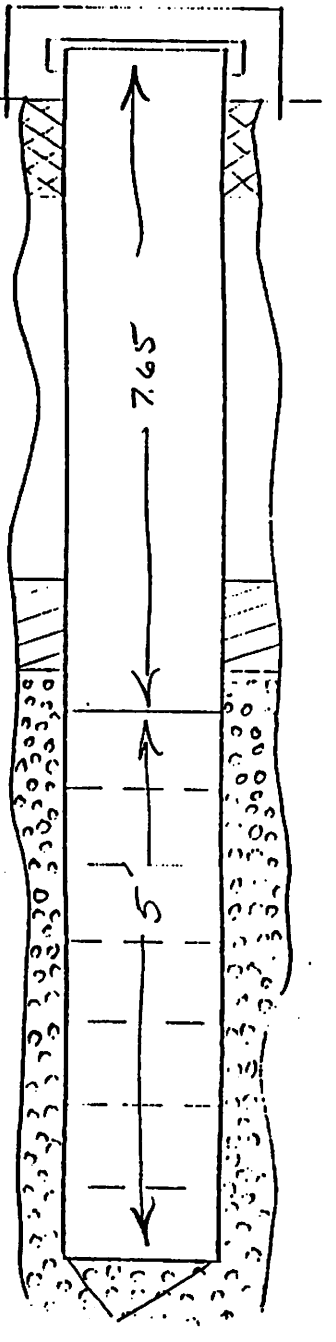
JOHN W. SHOMAKER, INC.
GEOLOGY-HYDROGEOLOGY
2703 BROADBENT PARKWAY NE, SUITE D
ALBUQUERQUE, NEW MEXICO 87107
(505) 345-3407

PROJECT Ever Ready / Isleta DATE [illegible]

WELL # W-20

TYPE OF RIG Auger TIME _____ INSTALLED BY: [illegible]

MONITOR WELL



ground elevation _____

I.D. of filler cap 7" dia w/ Bolt on Lid

cement thickness (ft) 1.0

borehole dia. 4"

total casing string length (ft) 15-2.35 12.65

casing: size 2"

type PVC T.F.J.

depth to top of backfill (ft) 1.0

depth to top of seal (ft) 3.5

type of backfill cuttings

depth to top of gravel pack (ft) 4.5

depth to top of screen (ft) _____

screen length (ft) 5

slot size 0.010

type of gravel pack 10-20 silica

total depth of borehole (ft) 15

John W. Shomaker, Inc.

Borehole Logging Form

Client: Ever Ready Oil | Project: Isleta | hole: W-21 | of

Site: Isleta Chevron

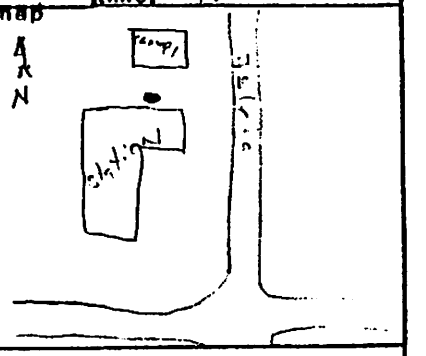
date: 2-10-92

time: 10:25

Geologist: STF | Contractor: Ever Ready

drill method: Auger 4" dia | rig:

map



elevation, ft. | land surface: | t.o.c.

depth, ft.	lith.	sample depth	head-space ppm	description
0-4		4	1518	Sand, med-coarse grn, brn, minor silt, moist. Hi-carbon odor
4				silty sand, med grn, dk brn, v. moist, hi-carbon odor
5.5		7	1024	sugar sand, med-coarse grn, lt. brn, moist, hi-carbon odor
8.5-15	TD			sugar sand, coarse, saturated, gry brn, hi-carbon

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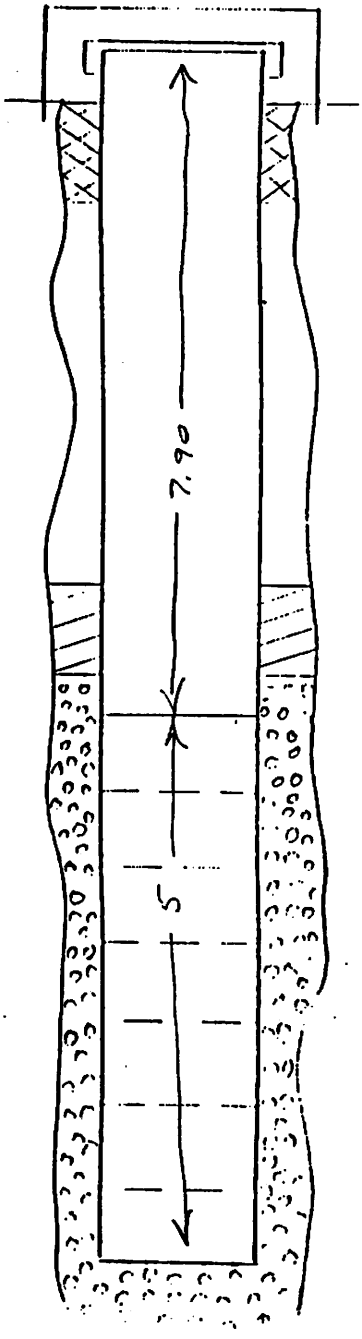
2703 BROADBENT PARKWAY NE, SUITE D
ALBUQUERQUE, NEW MEXICO 87107
(505) 345-3407

PROJECT Every Ready / Isleta DATE 2-10-92

WELL # W-21

TYPE OF RIG Auger TIME 10:45 INSTALLED BY: STF

MONITOR WELL



ground elevation _____

borehole dia. 4"

casing: size 2"

type PVC T.V.S.

depth to top of seal (ft) 1.7'

depth to top of gravel pack (ft) 2.0'

slot size 0.010

total depth of borehole (ft) 15'

I.D. of filler cap 7" dia. w/ Bolted Lid

cement thickness (ft) 0.8'

total casing string length (ft) 12.9' 15 - 2.1'

depth to top of backfill (ft) 1.7'

type of backfill clean cuttings

depth to top of screen (ft) 7.9' 10-21

screen length (ft) 5

type of gravel pack 10-20 Silica

John W. Shomaker, Inc.

Borehole Logging Form

Client: Ever Ready Oil | Project: Isleta | hole: W-22 | of

Site: Isleta Chevron

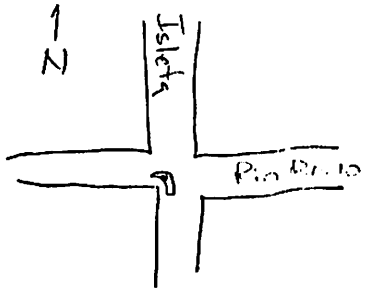
date: 2-10-92

time: 12:40

Geologist: STF | Contractor: Ever Ready

drill method: Auger | rig:

map



elevation, ft. | land surface: | L.O.C.

depth, ft.	lith.	sample depth	blow-count per foot	description
0		4	8	Sand, med-coarse grn, yellow, some gravels, moist
5				silty sand, med grn, yellow, some clay, moist
6		7	2	sugar sand, yellow, moist, med grn
9				sugar sand, yellow, coarse grn, saturated
15	TD			

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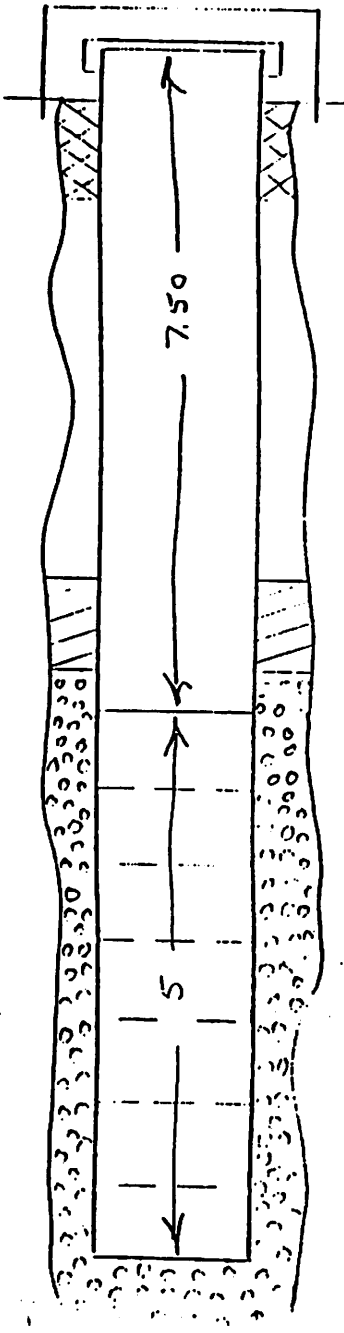
GEOLOGY-HYDROGEOLOGY
2703 BROADBENT PARKWAY NE, SUITE D
ALBUQUERQUE, NEW MEXICO 87107
(505) 345-3407

PROJECT Ever. Ready / Isleta DATE 2-10-92

WELL # W-22

TYPE OF RIG Auger TIME 12:50 INSTALLED BY: STF

MONITOR WELL



ground elevation _____

borehole dia. 4"

casing: size 2"

type PVC

depth to top of seal (ft) 3.5

depth to top of gravel pack (ft) 4.5

slot size 0.010

total depth of borehole (ft) 15'

I.D. of filler cap 7" dia. w/Bolted Lid

cement thickness (ft) 1.0

total casing string length (ft) 12.50 15 - 2.50

depth to top of backfill (ft) 0.8

type of backfill cuttings

depth to top of screen (ft) 7.5'

screen length (ft) 5

type of gravel pack 10/20 Silica

John W. Shomaker, Inc.

Borehole Logging Form

Client: Ever Ready Oil | Project: Isleta | hole: W-23 | of

Site: Isleta Chevron

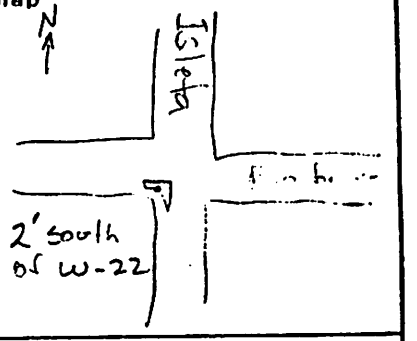
date: 2-10-92

time: 13:15

Geologist: STF | Contractor: Ever Ready

drill method: 4" Auger | rig:

map



elevation, ft. | land surface: | L.O.G.

depth, ft.	lith.	sample depth	Head Space ppm	description
0		4	2	Sand, med-coarse grn, yellow, some gravels, moist
5				silty sand, med. grn, yellow, some clay, moist
6		7	0	sugar sand, yellow, moist, med. grn
9-20	TD			Sugar Sand, tan, saturated, coarse grn,

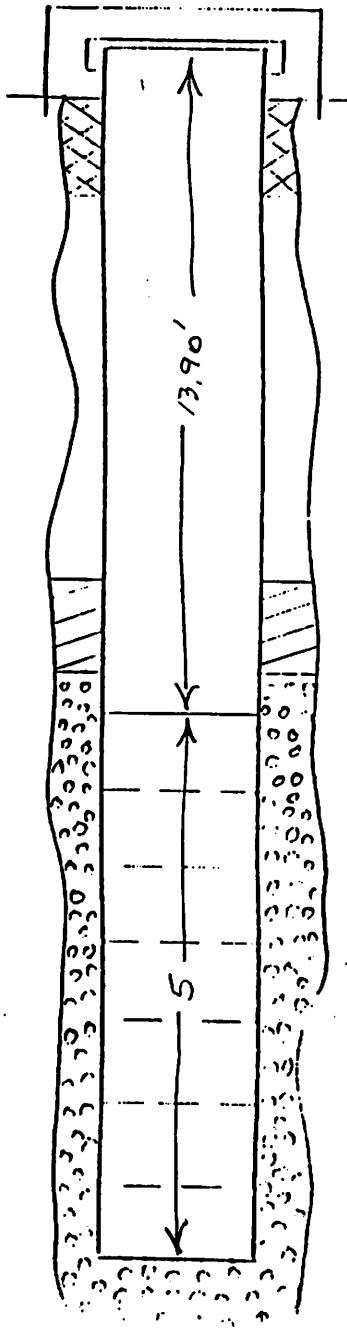
JOHN W. SHOMAKER, INC.
GEOLOGY-HYDROGEOLOGY
2703 BROADBENT PARKWAY NE, SUITE D
ALBUQUERQUE, NEW MEXICO 87107
(505) 345-3407

PROJECT Ever Ready / Isleta DATE 2-10-92

WELL # W-23

TYPE OF RIG Auger TIME 13:30 INSTALLED BY: CTF

MONITOR WELL



ground elevation _____

borehole dia. 4"

casing: size 2"

type PVC

depth to top of seal (ft) 4.0'

depth to top of gravel pack (ft) 5.0

slot size 0.010

total depth of borehole (ft) 20

I.D. of filler cap 7" dia. w/Bolted Lid

cement thickness (ft) 1.0

total casing string length (ft) 18.90' 20 - 1.10'

depth to top of backfill (ft) 0.8'

type of backfill cuttings

depth to top of screen (ft) 13.90

screen length (ft) 5.0

type of gravel pack 10/20 Silica

John W. Shomaker, Inc.

Borehole Logging Form

Client: Ever Ready Oil | Project: Isleta | hole: LW-141 | 1 of 1

Site: Isleta/Chevron | date: | time:

Geologist: STF | Contractor: Ever Ready | rig:

drill method: 4" Auger

map: three feet south of LW-141

elevation, ft. | land surface: | t.o.c.

depth, ft.	lith.	sample depth ft	Head space PPM	description
0		4	2	Sand, med. grn, moist, Tan
5				Silty Sand, med grn, Lt Brn, V. moist
6		7	5	Sugar Sand, med. grn, Lt Brn, V. moist
8-20	TD			Sugar Sand, coarse grn, Lt Brn, V. moist

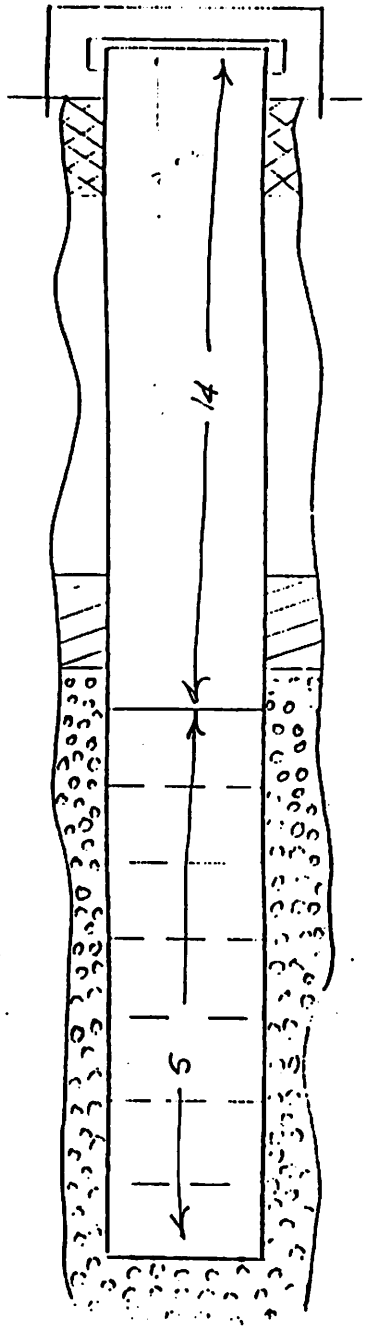
JOHN W. SHOMAKER, INC.
GEOLOGY-HYDROGEOLOGY
2703 BROADBENT PARKWAY NE, SUITE D
ALBUQUERQUE, NEW MEXICO 87107
(505) 345-3407

PROJECT Fuer Ready / Isleta DATE 2-10-92

WELL # W-24

TYPE OF RIG Auger TIME 14:30 INSTALLED BY: STF

MONITOR WELL



ground elevation _____

borehole dia. 4"

casing: size 2"

type PVC

depth to top of seal (ft) 5.0

depth to top of gravel pack (ft) 6.0

slot size 0.010

total depth of borehole (ft) 20

I.D. of filler cap 7" dia w/bolt-on lid

cement thickness (ft) 1.0

total casing string length (ft) 19.0 (20 - 1.0')

depth to top of backfill (ft) 1.0

type of backfill cuttings

depth to top of screen (ft) 14.0

screen length (ft) 5.0

type of gravel pack 10/20 Silica

2-11-92

Ever Ready / Isleta

13:20 arr. loc., set up to sample wells W-22 and W-23

purged 3 well volumes from wells W-22 and W-23 with clean bailers, collected samples in duplicate 40-ml vials. Vials contained HCl and HgCl as preservative.

13:40 sampled W-22

13:45 " W-23

14:00 purged and sampled well W-24 (in 6th's as before)

14:15 " " " " W-20 (" ")

14:20 bailed well W-21, no floating product detected with bailer, strong hydrocarbon odor and sheen of oil on surface — not sampled.

Elevations

Sta. 1

shot to marle on top of concrete wall, N. end of property		3.80'
" " high side 2" casing,	W-24	4.54'
" " " " " "	W-22	4.26'
" " " " " "	W-23	4.33'

Sta 2.

shot to marle on concrete wall, as above		4.13'
" " high side 2" casing,	W-20	3.82'
" " " " " "	W-21	4.61

Analytical Technologies, Inc.
Phoenix, Arizona

Chain of Custody

DATE 2/11/92 PAGE 1 OF 1

PROJECT MANAGER: Ben Newcomer

COMPANY: John W. Shomaker, Inc.
ADDRESS: 2703-D Broadbent Pkwy, NE
Albuquerque, NM 87107

BILL TO: Jim Shepherd
COMPANY: Ever Ready Oil Co., Inc.
ADDRESS: P.O. Box 25845
Albuquerque, NM 87125

SAMPLERS: (Signature)

(505) 345-3407
PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	MTBE	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP	NUMBER OF CONTAINERS
W-20	2/11/92	14:15	water						X	X	X												2
W-22	2/11/92	13:40	"						X	X	X												2
W-23	2/11/92	13:45	"						X	X	X												2
W-24	2/11/92	14:00	"						X	X	X												2

PROJECT INFORMATION	
PROJECT NO.: 011.201	
PROJECT NAME: Ever Ready/Loleta	
P.O. NO.:	
VIA: Federal Express	
TAT: ☐ 24HR ☐ 48 HRS ☒ 1 WK ☐ 2 WKS	

SAMPLE RECEIPT	
TOTAL NO. OF CONTAINERS	
CHAIN OF CUSTODY SEALS	
INTACT?	
RECEIVED GOOD COND./COLD	
LAB NUMBER	

SAMPLE DISPOSAL INSTRUCTIONS
☒ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup (will call)

Comments: Samples preserved with HCl, HgCl and placed and shipped on ice
Verbals ASAP within THT

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 5:15	Signature: Time:	Signature: Time:
Printed Name: Date: R.W. Newcomer 2/11/92	Printed Name: Date	Printed Name: Date
Company: J.W. Shomaker, Inc.	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time:
Printed Name: Date:	Printed Name: Date:	Printed Name: Date:
Company:	Company:	Analytical Technologies, Inc.

ATI • San Diego (619) • Fresno (602) • Seattle (206) • Portland (503) DISTRIBUTION: White - Canary - ANALYTICAL TECHNOLOGIES, INC. - Pink - ORIGINATOR

Sta 1

Instr. ht. 103.80'

W-24	103.80	W-22	103.80	W-23	103.80
	- 4.54		- 4.26		4.33
	99.26		99.54		99.47

Sta 2

Instr. ht. 104.13'

W-20	104.13	W-21	104.13
	- 3.82		- 4.61
	100.31		99.52

2/13/12

Ever Ready / Isleta

Well	m.p. elev, ft	top-of-screen elevation, ft.	water level, ft	screen length, ft.
-1	[illegible]	[illegible]		
-2	4927.63	4922.63		10
-3	4927.53	4917.53		5
-4	4928.07	4923.07		10
-5	4929.04	4924.04		10
-6	4928.45	4923.45		10
-7	4928.02	4918.02		5
-8	4928.53	4918.53		5
-9	4928.86	4923.86		10
-10	4927.37	4922.37		10
-11	4929.94	4918.94		5
-12	4928.21	4918.21		5
-13	4928.41	4923.41		10
-14	4928.60	4923.60		10
-15	4929.72	4921.95		5
-16	4929.61	4920.82		5
-17	4929.78	4921.71		5
-18	4928.64	4921.02		5
-19	4929.74	4921.39		5
-20	4929.75	4922.10		5
-21	4928.96	4921.06		5
-22	4928.98	4921.48		5
-23	4928.91	4915.01		5
-24	4928.70	4914.70		5

2-14-92

Ever Ready Oil / Isleta

Loc	Fluid Depth From M.P. (FT)	Product thkness (FT)	Fluid elevation (FT)	MP elevation (FT)
W-1	8-0.58 7.42 7-0.15	—	4920.80	4928.22
W-2	6.85 7-0.25	—	4920.78	4927.63
W-3	6.75 8-0.71	—	4920.78	4927.53
W-4	7.29 9-0.69	—	4920.78	4928.07
W-5	8.21 8-0.27	—	4920.83	4929.04
W-6	7.63 8-0.72	—	4920.82	4928.45
W-7	7.28 8-0.19	—	4920.74	4928.02
W-8	7.81 9-0.83	—	4920.72	4928.53
W-9	8.17 7-0.31	—	4920.69	4928.36
W-10	6.69 9-0.73	—	4920.68	4927.37
W-11	8.27 8-0.44	—	4920.67	4928.14
W-12	7.56 8-0.14	—	4920.65	4928.21
W-13	7.86 9-0.98	—	4920.55	4928.41
W-14	8.02 9-0.05	—	4920.58	4927.60
W-15	8.95 9-0.06	—	4920.77	4927.72
W-16	8.94 10-.80	—	4920.67	4929.61
W-17	9.20 9-0.24	—	4920.58	4929.78
W-18	8.76 10-0.68	—	4919.88	4928.64
W-19	9.32 9-0.10	—	4920.42	4929.74
W-20	8.90 9-0.74	—	4920.85	4929.75
W-21	8.76 9-0.45	—	4920.70	4928.96
W-22	8.55 9-0.50	—	4920.43	4928.98
dup ✓ W-23	8.50 9-0.85	—	4920.41	4928.91
dup ✓ W-24	8.15	—	4920.55	4928.70

Elevations (ft)

well	W-1 MW-06	W-2 OW-06	W-3 MW-02	W-4 MW-07	W-5 OW-01
a	4928.22	4927.63	4927.53	4928.07	4929.04
b	4918.22	4922.63	4917.53	4923.07	4924.04
c	10	10	5	10	10
date					
03/06/91	4920.58	4920.75	4920.26	4920.32	4920.61
03/13/91	4920.59	4920.68	4920.30	4920.26	4920.68
03/21/91	4920.63	4920.75	4920.45	4920.41	4920.72
03/28/91	4920.46	4920.75	4920.44	4920.42	4920.72
04/03/91	4920.64	4920.79	4920.46	4920.44	4920.72
01/03/92	4921.07	4921.05	4921.07	4921.06	4921.00
01/20/92	4920.93	4920.94	4920.93	4920.91	4920.87
02/14/92	4920.80	4920.78	4920.78	4920.78	4920.83

a = elevation, top of casing, ft

b = elevation, top of screen, ft

c = screen length, ft

Elevations (ft)

well	W-6 OW-04	W-7 MW-01	W-8 MW-03	W-9 MW-08	W-10 MW-10
a	4928.45	4928.02	4928.53	4928.86	4927.37
b	4923.45	4918.02	4918.53	4923.86	4922.37
c	10	5	5	10	10
date					
03/06/91	4920.61	4920.42	4920.32	4920.25	4920.26
03/13/91	4920.68	4920.46	4920.35	4920.29	4920.29
03/21/91	4920.70	4920.61	4920.52	4920.44	4920.45
03/28/91	4920.70	4920.62	4920.52	4920.35	4920.45
04/03/91	4920.61	4920.64	4920.55	4920.47	4920.47
01/03/92	4921.00	4920.98	4920.98	4920.97	4920.95
01/20/92	4920.88	4920.89	4920.88	4920.82	4920.83
02/14/92	4920.82	4920.74	4920.72	4920.69	4920.68

Elevations (ft)

well	W-21	W-22	W-23	W-24
a	4928.96	4928.98	4928.91	4928.70
b	4921.06	4921.48	4915.01	4914.70
c	5	5	5	5
date				
03/06/91				
03/13/91				
03/21/91				
03/28/91				
04/03/91				
01/03/92				
01/20/92				
02/14/92	4920.70	4920.43	4920.41	4920.55

evations (ft)

ll	W-11	W-12	W-13	W-14	W-15
	MW-04	MW-05	OW-02	MW-09	
	4928.94	4928.21	4928.41	4928.60	4929.72
	4918.94	4918.21	4923.41	4923.60	4921.95
	5	5	10	10	5
te					
/06/91	4920.27	4920.22	4920.53	4920.17	
/13/91	4920.33	4920.24	4920.51	4920.22	
/2 /91	4920.27	4920.40	4920.53	4920.38	
/2 /91	4920.47	4920.41	4920.53	4920.38	
/03/91	4920.50	4920.43	4920.56	4920.40	
/0 /92	4920.95	4920.93	4920.83	4920.90	
/2 /92	4920.83	4920.79	4920.70	4920.73	
/14/92	4920.67	4920.65	4920.55	4920.58	4920.77

APPENDIX B

Analytical Technologies, Inc. 9830 S. 51st Street Suite B-113 Phoenix, AZ 85044 (602) 496-4400

ATI I.D. 202664

February 21, 1992

John W. Shomaker, Inc.
2703 Broadbent Parkway NE
Suite D
Albuquerque, NM 87107

Project Name/Number: Ever Ready/011.201

Attention: Bob Newcomer

On 02/12/92, Analytical Technologies, Inc. received a request to analyze aqueous sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

An additional compound was detected by Methods 601/602 analyses in samples W-22, W-23, and W-24. The compound had approximately the same retention time as Acetone. Confirmatory analysis by Method 624 found the compound to be an oxygenated hydrocarbon.

If you have any questions or comments, please do not hesitate to contact us at (602) 496-4400.

Mary Tyer
Project Manager

Robert V. Woods
Laboratory Manager

RVW:clf
Enclosure

Analytical Technologies, Inc.

CLIENT : JOHN W. SHOMAKER, INC
PROJECT # : 011.201
PROJECT NAME : EVERREADY

DATE RECEIVED : 02/12/92
REPORT DATE : 02/18/92

ATI I.D. : 202664

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	W-20	AQUEOUS	02/11/92
02	W-22	AQUEOUS	02/11/92
03	W-23	AQUEOUS	02/11/92
04	W-24	AQUEOUS	02/11/92

----- TOTALS -----

MATRIX	# SAMPLES
AQUEOUS	4

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20266401

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 02/11/92
PROJECT #	: 011.201	DATE RECEIVED	: 02/12/92
PROJECT NAME	: EVERREADY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-20	DATE ANALYZED	: 02/12/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	1.0
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	0.6
TOLUENE	21
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	1.4
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	<1.0
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	99
BROMOFLUOROBENZENE (%)	81

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20266402

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 02/11/92
PROJECT #	: 011.201	DATE RECEIVED	: 02/12/92
PROJECT NAME	: EVERREADY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-22	DATE ANALYZED	: 02/12/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	19
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	5.7
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	360 D
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	100
BROMOFLUOROBENZENE (%)	89

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20266403

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 02/11/92
PROJECT #	: 011.201	DATE RECEIVED	: 02/12/92
PROJECT NAME	: EVERREADY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-23	DATE ANALYZED	: 02/12/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	19
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	26
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	35
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	280 D
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	89
BROMOFLUOROBENZENE (%)	80

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20266404

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 02/11/92
PROJECT #	: 011.201	DATE RECEIVED	: 02/12/92
PROJECT NAME	: EVERREADY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-24	DATE ANALYZED	: 02/12/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	80 D
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	21
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	9.1
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	26
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	28
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	96
BROMOFLUOROBENZENE (%)	86

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	ATI I.D.	: 202664
PROJECT #	: 011.201	DATE EXTRACTED	: 02/12/92
PROJECT NAME	: EVERREADY	DATE ANALYZED	: 02/12/92
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	<1.0
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	94
BROMOFLUOROBENZENE (%)	96

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 202664

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT : JOHN W. SHOMAKER, INC
PROJECT # : 011.201
PROJECT NAME : EVERREADY
REF I.D. : 20299908

DATE ANALYZED : 02/12/92
SAMPLE MATRIX : AQUEOUS
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1 DICHLOROETHENE	<0.2	20	22	110	21	105	5
TRICHLOROETHENE	<0.2	20	23	115	23	115	0
TETRACHLOROETHENE	<0.2	20	24	120	23	115	4
BENZENE	<0.5	20	19	95	19	95	0
BROMODICHLOROMETHANE	<0.2	20	22	110	22	110	0
CHLOROFORM	<0.2	20	23	115	23	115	0
1,1,1-TRICHLOROETHANE	<0.2	20	24	120	23	115	4
TOLUENE	<0.5	20	21	105	20	100	5
CHLOROBENZENE	<0.5	20	21	105	22	110	5
XYLENES	<0.5	20	18	90	17	85	6

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Analytical Technologies, Inc.
Phoenix, Arizona

Chain of Custody

DATE 2/11/92 PAGE 1 OF 1

PROJECT MANAGER: Bob Newcomer

COMPANY: John W. Shomaker, Inc.
ADDRESS: 2703-D Broadbent Pkwy, NE
Albuquerque, NM 87107

BILL TO: Jim Shepherd
COMPANY: Ever Ready Oil Co., Inc.
ADDRESS: P.O. Box 25845
Albuquerque, NM 87125

SAMPLERS: (Signature)

(505) 345 3407
PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	MTBE	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP	NUMBER OF CONTAINERS
W-20	2/11/92	14:15	water	1					X	X	X												2
W-22	2/11/92	13:40	"	2					X	X	X												2
W-23	2/11/92	13:45	"	3					X	X	X												2
W-24	2/11/92	14:00	"	4					X	X	X												2

PROJECT INFORMATION

PROJECT NO.: 011.201
PROJECT NAME: Ever Ready/Moleta
P.O. NO.:
VIA: Federal Express
TAT: ☐ 24HR ☐ 48 HRS ☒ 1 WK ☐ 2 WKS

SAMPLE RECEIPT

TOTAL NO. OF CONTAINERS	8
CHAIN OF CUSTODY SEALS	N
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	20264

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup (will call)

Comments: Samples preserved with HCl, HgCl and placed and shipped on ice.
verbals ASAP within TAT

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 5:15p	Signature: Time:	Signature: Time:
Printed Name: R.W. Newcomer Date: 2/11/92	Printed Name: Date	Printed Name: Date
Company: J.W. Shomaker, Inc.	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 1000
Printed Name: Date:	Printed Name: Date:	Printed Name: Date: MARGERITE O'DONNELL
Company:	Company:	Analytical Technologies, Inc. 2/12/92

ATI Labs: San Diego (619)458-9141 • Phoenix (602)436-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001

DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC. • Pink - ORIGINATOR

Analytical Technologies, Inc. 9830 S. 51st Street Suite B-113 Phoenix, AZ 85044 (602) 496-4400

ATI I.D. 201901

February 10, 1992

John W. Shomaker, Inc.
2703 Broadbent Parkway NE
Suite D
Albuquerque, NM 87107

Project Name/Number: Ever Ready/Isleta/011.201

Attention: Bob Newcomer

On 01/31/92, Analytical Technologies, Inc. received a request to analyze aqueous sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

D indicates compound analyzed at a greater dilution.

If you have any questions or comments, please do not hesitate to contact us at (602) 496-4400.

Mary Tyer
Project Manager

Robert V. Woods
Laboratory Manager

RVW:clf
Enclosure

Analytical Technologies, Inc.

CLIENT : JOHN W. SHOMAKER, INC
PROJECT # : 011.201
PROJECT NAME : EVER READY

DATE RECEIVED : 01/31/92
REPORT DATE : 02/07/92

ATI I.D. : 201901

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	W-18	AQUEOUS	01/30/92
02	W-19	AQUEOUS	01/30/92
03	W-17	AQUEOUS	01/30/92
04	W-16	AQUEOUS	01/30/92
05	W-15	AQUEOUS	01/30/92

----- TOTALS -----

MATRIX	# SAMPLES
AQUEOUS	5

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20190101

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/30/92
PROJECT #	: 011.201	DATE RECEIVED	: 01/31/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-18	DATE ANALYZED	: 02/03/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	63 D
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	33
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	1.3
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	7.7
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	1000 D
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	117
BROMOFLUOROBENZENE (%)	92

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20190102

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/30/92
PROJECT #	: 011.201	DATE RECEIVED	: 01/31/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-19	DATE ANALYZED	: 02/03/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	0.5
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	<1.0
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	106
BROMOFLUOROBENZENE (%)	96

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20190103

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/30/92
PROJECT #	: 011.201	DATE RECEIVED	: 01/31/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-17	DATE ANALYZED	: 02/03/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	1.0
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	1.8
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	<1.0
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	106
BROMOFLUOROBENZENE (%)	85

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20190104

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/30/92
PROJECT #	: 011.201	DATE RECEIVED	: 01/31/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-16	DATE ANALYZED	: 02/03/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	7.3
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	<1.0
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	107
BROMOFLUOROBENZENE (%)	98

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20190105

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/30/92
PROJECT #	: 011.201	DATE RECEIVED	: 01/31/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-15	DATE ANALYZED	: 02/03/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	3.4
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	0.4
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	27
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	0.9
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	<1.0
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	100
BROMOFLUOROBENZENE (%)	89

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	ATI I.D.	: 201901
PROJECT #	: 011.201	DATE EXTRACTED	: 02/03/92
PROJECT NAME	: EVER READY	DATE ANALYZED	: 02/03/92
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	<1.0
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	102
BROMOFLUOROBENZENE (%)	102

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 201901

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT : JOHN W. SHOMAKER, INC
PROJECT # : 011.201
PROJECT NAME : EVER READY
REF I.D. : 20190104

DATE ANALYZED : 02/04/92
SAMPLE MATRIX : AQUEOUS
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1 DICHLOROETHENE	<0.2	20	17	85	16	80	6
TRICHLOROETHENE	<0.2	20	20	100	19	95	5
TETRACHLOROETHENE	<0.2	20	23	115	21	105	9
BENZENE	<0.5	20	24	120	23	115	4
BROMODICHLOROMETHANE	<0.2	20	21	105	21	105	0
CHLOROFORM	<0.2	20	23	115	21	105	9
1,1,1-TRICHLOROETHANE	<0.2	20	23	115	22	110	4
TOLUENE	7.3	20	31	119	30	114	3
CHLOROBENZENE	<0.5	20	23	115	21	105	9
XYLENES	<0.5	20	20	100	19	95	5

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Analytical Technologies, Inc.
Phoenix, Arizona

Chain of Custody

DATE 1/30/92 PAGE 1 OF 1

PROJECT MANAGER: Bob Newcomer

COMPANY: John W. Shomaker, Inc.
ADDRESS: 2703-D Broadbent Pkwy NE
Albuquerque, NM 87107

BILL TO: Jim Shepherd
COMPANY: Ever Ready Oil Co., Inc.
ADDRESS: P.O. Box 25845
Albuquerque NM 87125

SAMPLERS: (Signature)

505 345 3407
PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Chlorinated Hydrocarbons (601/8010) + EDB	Aromatic Hydrocarbons (602/8020)	MTBE	NUMBER OF CONTAINERS
W-18	1/30/92	15:15	water	1	X	X	X	2
W-19	"	15:25	"	2	X	X	X	2
W-17	"	15:40	"	3	X	X	X	2
W-16	"	15:50	"	4	X	X	X	2
W-15	"	16:00	"	5	X	X	X	2

Petroleum Hydrocarbons (418.1); (MOD 8015) Gas/Diesel; Diesel/Gasoline/BTXE (MOD 8015/8020); BTXE (8020); Pesticides/PCB (608/8080); Herbicides (615/8150); Base/Neutral/Acid Compounds GC/MS (625/8270); Volatile Organics GC/MS (624/8240); SDWA Primary Standards; SDWA Secondary Standards; SDWA Volatiles (502.1/503.1); The 13 Priority Pollutant Metals; The 8 EP Tox Metals by EP Tox Prep. (1310); The 8 EP Tox Metals by Total Digestion; The 8 EP Tox Metals by TCLP

PROJECT INFORMATION	
PROJECT NO.: 011.201	
PROJECT NAME: Ever Ready/Isleta	
P.O. NO.:	
VIA: Fed Ex	
TAT: ☐ 24HR ☐ 48 HRS ☐ 1 WK ☒ 2 WKS	

SAMPLE RECEIPT	
TOTAL NO. OF CONTAINERS	10
CHAIN OF CUSTODY SEALS	N
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	201901

SAMPLE DISPOSAL INSTRUCTIONS
☒ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup (will call)

Comments: preserved with HCl, HgCl and placed on ice. Verbals when available

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 2:00p	Signature: Time:	Signature: Time:
Printed Name: Date: R.W. Newcomer 1/31/92	Printed Name: Date	Printed Name: Date
Company: J.W. Shomaker, Inc.	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 10:00
Printed Name: Date:	Printed Name: Date:	Printed Name: Date: Linda Eshelman 1/31/92
Company:	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)436-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001

DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC. • Pink - ORIGINATOR

Analytical Technologies, Inc. 9830 S. 51st Street Suite B-113 Phoenix, AZ 85044 (602) 496-4400

ATI I.D. 201768

February 5, 1992

John W. Shomaker, Inc.
2703 Broadbent Parkway NE
Suite D
Albuquerque, NM 87107

Project Name/Number: Ever Ready/Isleta

Attention: Bob Newcomer

On 01/22/92, Analytical Technologies, Inc. received a request to analyze soil and aqueous sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

D indicates the compound was analyzed at a greater dilution.

If you have any questions or comments, please do not hesitate to contact us at (602) 496-4400.

Mary Tyer
Project Manager

Robert V. Woods
Laboratory Manager

RVW:clf
Enclosure

Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

Analytical Technologies, Inc.

CLIENT : JOHN W. SHOMAKER, INC
PROJECT # : (NONE)
PROJECT NAME : EVER READY

DATE RECEIVED : 01/22/92
REPORT DATE : 01/31/92

ATI I.D. : 201768

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	BH-1 7'	SOIL	01/21/92
02	BH-6 6'	SOIL	01/21/92
03	BH-3	AQUEOUS	01/21/92
04	BH-4	AQUEOUS	01/21/92
05	BR-1	AQUEOUS	01/21/92

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	2
AQUEOUS	3

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20176803

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/21/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/22/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: BH-3	DATE ANALYZED	: 01/24/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 5

COMPOUNDS	RESULTS
BENZENE	24
BROMODICHLOROMETHANE	<1.0
BROMOFORM	<1.0
BROMOMETHANE	<1.0
CARBON TETRACHLORIDE	<1.0
CHLOROBENZENE	<2.5
CHLOROETHANE	<1.0
CHLOROFORM	<1.0
CHLOROMETHANE	<1.0
DIBROMOCHLOROMETHANE	<1.0
2-CHLOROETHYL VINYL ETHER	<2.5
1,3-DICHLOROBENZENE	<2.5
1,2 & 1,4-DICHLOROBENZENE	<2.5
DICHLORODIFLUOROMETHANE	<1.0
1,1-DICHLOROETHANE	<1.0
1,2-DICHLOROETHANE	<1.0
1,1-DICHLOROETHENE	<1.0
1,2-DICHLOROETHENE(TOTAL)	39
1,2-DICHLOROPROPANE	<1.0
CIS-1,3-DICHLOROPROPENE	<1.0
TRANS-1,3-DICHLOROPROPENE	<1.0
ETHYLBENZENE	<2.5
METHYLENE CHLORIDE	<10.0
1,1,2,2-TETRACHLOROETHANE	<1.0
TETRACHLOROETHENE	<1.0
TOLUENE	<2.5
1,1,1-TRICHLOROETHANE	<1.0
1,1,2-TRICHLOROETHANE	<1.0
TRICHLOROETHENE	<1.0
TRICHLOROFLUOROMETHANE	<2.5
VINYL CHLORIDE	<1.0
TOTAL XYLENES	<2.5
TRICHLOROTRIFLUOROETHANE	<10.0
METHYL-t-BUTYL ETHER	900 D
1,2-DIBROMOETHANE	<5.0
ACETONE	2300 D

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	95
BROMOFLUOROBENZENE (%)	100

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20176804

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/21/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/22/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: BH-4	DATE ANALYZED	: 01/24/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	0.8
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	<1.0
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	91
BROMOFLUOROBENZENE (%)	91

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20176805

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/21/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/22/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: BR-1	DATE ANALYZED	: 01/25/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	<1.0
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	98
BROMOFLUOROBENZENE (%)	90

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	ATI I.D.	: 201768
PROJECT #	: (NONE)	DATE EXTRACTED	: 01/24/92
PROJECT NAME	: EVER READY	DATE ANALYZED	: 01/24/92
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	<1.0
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	97
BROMOFLUOROBENZENE (%)	95

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	ATI I.D.	: 201768
PROJECT #	: (NONE)	DATE EXTRACTED	: 01/25/92
PROJECT NAME	: EVER READY	DATE ANALYZED	: 01/25/92
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	<1.0
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	91
BROMOFLUOROBENZENE (%)	90

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 201768

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT : JOHN W. SHOMAKER, INC
PROJECT # : (NONE)
PROJECT NAME : EVER READY
REF I.D. : 20176804

DATE ANALYZED : 01/25/92
SAMPLE MATRIX : AQUEOUS
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1 DICHLOROETHENE	<0.2	20	21	105	21	105	0
TRICHLOROETHENE	<0.2	20	23	115	23	115	0
TETRACHLOROETHENE	<0.2	20	24	120	23	115	4
BENZENE	<0.5	20	19	95	19	95	0
BROMODICHLOROMETHANE	<0.2	20	22	110	21	105	5
CHLOROFORM	<0.2	20	23	115	22	110	4
1,1,1-TRICHLOROETHANE	<0.2	20	23	115	23	115	0
TOLUENE	<0.5	20	21	105	21	105	0
CHLOROBENZENE	<0.5	20	22	110	23	115	4
XYLENES	<0.5	20	20	100	20	100	0

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20176801

TEST : FUEL HYDROCARBONS (MODIFIED EPA METHOD 8015)

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/21/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/22/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: 01/22/92
CLIENT I.D.	: BH-1 7'	DATE ANALYZED	: 01/23/92
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	-
SURROGATE PERCENT RECOVERIES	
DI-N-OCTYL-PHTHALATE (%)	93

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20176802

TEST : FUEL HYDROCARBONS (MODIFIED EPA METHOD 8015)

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/21/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/22/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: 01/22/92
CLIENT I.D.	: BH-6 6'	DATE ANALYZED	: 01/23/92
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	-
SURROGATE PERCENT RECOVERIES	
DI-N-OCTYL-PHTHALATE (%)	101

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : FUEL HYDROCARBONS (MODIFIED EPA METHOD 8015)

CLIENT	: JOHN W. SHOMAKER, INC	ATI I.D.	: 201768
PROJECT #	: (NONE)	DATE EXTRACTED	: 01/22/92
PROJECT NAME	: EVER READY	DATE ANALYZED	: 01/23/92
CLIENT I.D.	: REAGENT BLANK	UNITS	: MG/KG
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	-

SURROGATE PERCENT RECOVERIES

DI-N-OCTYL-PHTHALATE (%)	97

Analytical Technologies, Inc.

QUALITY CONTROL DATA

TEST : FUEL HYDROCARBONS (MODIFIED EPA METHOD 8015)

ATI I.D. : 201768

CLIENT : JOHN W. SHOMAKER, INC
PROJECT # : (NONE)
PROJECT NAME : EVER READY
REF I.D. : 20176802

DATE ANALYZED : 01/23/92
SAMPLE MATRIX : SOIL
UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
FUEL HYDROCARBONS	<5	50	57	114	56	112	2

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20176801

TEST : BTEX (8020) AND MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/21/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/22/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: 01/22/92
CLIENT I.D.	: BH-1 7'	DATE ANALYZED	: 01/23/92
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
TOLUENE	<0.025
ETHYLBENZENE	<0.025
TOTAL XYLENES	<0.025
METHYL-t-BUTYL ETHER	<0.12

SURROGATE PERCENT RECOVERIES

BROMOFLUOROBENZENE (%)	101

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20176802

TEST : BTEX (8020) AND MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/21/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/22/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: 01/22/92
CLIENT I.D.	: BH-6 6'	DATE ANALYZED	: 01/23/92
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
TOLUENE	<0.025
ETHYLBENZENE	<0.025
TOTAL XYLENES	<0.025
METHYL-t-BUTYL ETHER	<0.12

SURROGATE PERCENT RECOVERIES

BROMOFLUOROBENZENE (%)	99

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : BTEX (8020) AND MTBE

CLIENT	: JOHN W. SHOMAKER, INC	ATI I.D.	: 201768
PROJECT #	: (NONE)	DATE EXTRACTED	: 01/22/92
PROJECT NAME	: EVER READY	DATE ANALYZED	: 01/23/92
CLIENT I.D.	: REAGENT BLANK	UNITS	: MG/KG
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.025
TOLUENE	<0.025
ETHYLBENZENE	<0.025
TOTAL XYLENES	<0.025
METHYL-t-BUTYL ETHER	<0.12

SURROGATE PERCENT RECOVERIES

BROMOFLUOROBENZENE (%)	90

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 201768

TEST : BTEX (8020) AND MTBE

CLIENT : JOHN W. SHOMAKER, INC
PROJECT # : (NONE)
PROJECT NAME : EVER READY
REF I.D. : 20176802

DATE ANALYZED : 01/23/92
SAMPLE MATRIX : SOIL
UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
BENZENE	<0.025	1.0	1.1	110	0.99	99	11
TOLUENE	<0.025	1.0	1.0	100	0.94	94	6
ETHYLBENZENE	<0.025	1.0	1.0	100	0.91	91	9
TOTAL XYLENES	<0.025	3.0	3.0	100	2.8	93	7
METHYL-T-BUTYL ETHER	<0.12	2.0	2.0	100	1.9	95	5

$$\text{Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Analytical Technologies, Inc.
Phoenix, Arizona

Chain of Custody

DATE 1/21/92 PAGE 1 OF 1

PROJECT MANAGER: Bob Newcomer

COMPANY: John W. Shomaker, Inc.
ADDRESS: 2703-D Broadbent Pkwy. NE
Albuquerque, NM 87107

BILL TO: Jim Shepherd
COMPANY: Ever Ready Oil Co., Inc.
ADDRESS: P.O. Box 25345
Albuquerque, NM 87125

Steve Finch
SAMPLERS: (Signature)

(505) 345-3407
PHONE NUMBER

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	MTBE	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP (1311)	NUMBER OF CONTAINERS
BH-1 7'	1/21/92	10:30	soil	1			X				X												1
BH-6 6'	"	15:30	"	2			X				X												1
BH-3	"	14:00	water	3					X	X	X												2
BH-4	"	14:35	"	4					X	X	X												2
BR-1	"	15:40	"	5					X	X	X												2

ANALYSIS REQUEST

PROJECT INFORMATION	
PROJECT NO:	
PROJECT NAME: Ever Ready/Tisleta	
P.O. NO.	
SHIPPED VIA: Fed Ex	
SAMPLE DISPOSAL INSTRUCTIONS	
☒ ATI ☐ RETURN	

SAMPLE RECEIPT	
TOTAL NO. OF CONTAINERS	5
CHAIN OF CUSTODY SEALS	N
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	201768

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

TAT: (NORMAL) ✓ (RUSH) ☐ 24 ☐ 48 ☐ 72 ☐ 1 WEEK

Comments: preserved 40-ml vials with HCl and HgCl
all samples kept & shipped on ice

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Steve Finch Time: 17.40	Signature: Time:	Signature: Time:
Printed Name: Steve Finch Date 1/21/92	Printed Name: Date	Printed Name: Date
Company: JW Shomaker Inc	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 1100
Printed Name: Date:	Printed Name: Date:	Printed Name: MARGUERITE OLIVAS Date: 1/22/92
Company:	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619) 458-9141 • Phoenix (602) 496-4400 • Seattle (206) 228-8335 • Pensacola (904) 474-1001

DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC. • Pink - ORIGINATOR

Analytical Technologies, Inc. 9830 S. 51st Street Suite B-113 Phoenix, AZ 85044 (602) 496-4400

ATI I.D. 201743

February 5, 1992

John W. Shomaker, Inc.
2703 Broadbent Parkway NE
Suite D
Albuquerque, NM 87107

Project Name/Number: Ever Ready/Isleta

Attention: Bob Newcomer

On 01/21/92, Analytical Technologies, Inc. received a request to analyze aqueous sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

D indicates compound analyzed at a greater dilution.

If you have any questions or comments, please do not hesitate to contact us at (602) 496-4400.

Mary A. Tyer
Mary Tyer
Project Manager

Robert V. Woods
Robert V. Woods
Laboratory Manager

RVW:clf
Enclosure

Analytical Technologies, Inc.

CLIENT : JOHN W. SHOMAKER, INC
PROJECT # : (NONE)
PROJECT NAME : EVER READY

DATE RECEIVED : 01/21/92
REPORT DATE : 02/04/92

ATI I.D. : 201743

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	W-1	AQUEOUS	01/20/92
02	W-2	AQUEOUS	01/20/92
03	W-3	AQUEOUS	01/20/92
04	W-4	AQUEOUS	01/20/92
05	W-5	AQUEOUS	01/20/92
06	W-6	AQUEOUS	01/20/92
07	W-7	AQUEOUS	01/20/92
08	W-8	AQUEOUS	01/20/92
09	W-9	AQUEOUS	01/20/92
10	W-10	AQUEOUS	01/20/92
11	W-11	AQUEOUS	01/20/92
12	W-12	AQUEOUS	01/20/92
13	W-13	AQUEOUS	01/20/92
14	W-14	AQUEOUS	01/20/92

----- TOTALS -----

MATRIX	# SAMPLES
AQUEOUS	14

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20174301

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/20/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-1	DATE ANALYZED	: 01/23/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	16
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	<1.0
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	106
BROMOFLUOROBENZENE (%)	105

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20174302

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/20/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-2	DATE ANALYZED	: 01/23/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	87 D
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	38
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	2.4
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	0.7
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	3.2
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	<1.0
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	92
BROMOFLUOROBENZENE (%)	88

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20174303

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/20/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-3	DATE ANALYZED	: 01/24/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 50

COMPOUNDS	RESULTS
BENZENE	1500
BROMODICHLOROMETHANE	<10.0
BROMOFORM	<10.0
BROMOMETHANE	<10.0
CARBON TETRACHLORIDE	<10.0
CHLOROBENZENE	<25.0
CHLOROETHANE	<10.0
CHLOROFORM	<10.0
CHLOROMETHANE	<10.0
DIBROMOCHLOROMETHANE	<10.0
2-CHLOROETHYL VINYL ETHER	<25.0
1,3-DICHLOROBENZENE	<25.0
1,2 & 1,4-DICHLOROBENZENE	<25.0
DICHLORODIFLUOROMETHANE	<10.0
1,1-DICHLOROETHANE	<10.0
1,2-DICHLOROETHANE	<10.0
1,1-DICHLOROETHENE	<10.0
1,2-DICHLOROETHENE(TOTAL)	54
1,2-DICHLOROPROPANE	<10.0
CIS-1,3-DICHLOROPROPENE	<10.0
TRANS-1,3-DICHLOROPROPENE	<10.0
ETHYLBENZENE	330
METHYLENE CHLORIDE	<100.0
1,1,2,2-TETRACHLOROETHANE	<10.0
TETRACHLOROETHENE	<10.0
TOLUENE	84
1,1,1-TRICHLOROETHANE	<10.0
1,1,2-TRICHLOROETHANE	<10.0
TRICHLOROETHENE	<10.0
TRICHLOROFLUOROMETHANE	<25.0
VINYL CHLORIDE	<10.0
TOTAL XYLENES	620
TRICHLOROTRIFLUOROETHANE	<100.0
METHYL-t-BUTYL ETHER	<50.0
1,2-DIBROMOETHANE	<50.0
ACETONE	<2500

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	105
BROMOFLUOROBENZENE (%)	95

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20174304

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/20/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-4	DATE ANALYZED	: 01/24/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 25

COMPOUNDS	RESULTS
BENZENE	1100
BROMODICHLOROMETHANE	<5.0
BROMOFORM	<5.0
BROMOMETHANE	<5.0
CARBON TETRACHLORIDE	<5.0
CHLOROBENZENE	<12.5
CHLOROETHANE	<5.0
CHLOROFORM	<5.0
CHLOROMETHANE	<5.0
DIBROMOCHLOROMETHANE	<5.0
2-CHLOROETHYL VINYL ETHER	<12.5
1,3-DICHLOROBENZENE	<12.5
1,2 & 1,4-DICHLOROBENZENE	<12.5
DICHLORODIFLUOROMETHANE	<5.0
1,1-DICHLOROETHANE	<5.0
1,2-DICHLOROETHANE	<5.0
1,1-DICHLOROETHENE	<5.0
1,2-DICHLOROETHENE(TOTAL)	14
1,2-DICHLOROPROPANE	<5.0
CIS-1,3-DICHLOROPROPENE	<5.0
TRANS-1,3-DICHLOROPROPENE	<5.0
ETHYLBENZENE	430
METHYLENE CHLORIDE	<50.0
1,1,2,2-TETRACHLOROETHANE	<5.0
TETRACHLOROETHENE	<5.0
TOLUENE	520
1,1,1-TRICHLOROETHANE	<5.0
1,1,2-TRICHLOROETHANE	<5.0
TRICHLOROETHENE	<5.0
TRICHLOROFLUOROMETHANE	<12.5
VINYL CHLORIDE	<5.0
TOTAL XYLENES	1400
TRICHLOROTRIFLUOROETHANE	<50.0
METHYL-t-BUTYL ETHER	70
1,2-DIBROMOETHANE	<25.0
ACETONE	<1250

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	99
BROMOFLUOROBENZENE (%)	84

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20174305

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/20/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-5	DATE ANALYZED	: 01/24/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 20

COMPOUNDS	RESULTS
BENZENE	1100
BROMODICHLOROMETHANE	<4.0
BROMOFORM	<4.0
BROMOMETHANE	<4.0
CARBON TETRACHLORIDE	<4.0
CHLOROBENZENE	<10.0
CHLOROETHANE	<4.0
CHLOROFORM	<4.0
CHLOROMETHANE	<4.0
DIBROMOCHLOROMETHANE	<4.0
2-CHLOROETHYL VINYL ETHER	<10.0
1,3-DICHLOROBENZENE	<10.0
1,2 & 1,4-DICHLOROBENZENE	<10.0
DICHLORODIFLUOROMETHANE	<4.0
1,1-DICHLOROETHANE	<4.0
1,2-DICHLOROETHANE	<4.0
1,1-DICHLOROETHENE	<4.0
1,2-DICHLOROETHENE(TOTAL)	<4.0
1,2-DICHLOROPROPANE	<4.0
CIS-1,3-DICHLOROPROPENE	<4.0
TRANS-1,3-DICHLOROPROPENE	<4.0
ETHYLBENZENE	480
METHYLENE CHLORIDE	<40.0
1,1,2,2-TETRACHLOROETHANE	<4.0
TETRACHLOROETHENE	<4.0
TOLUENE	300
1,1,1-TRICHLOROETHANE	<4.0
1,1,2-TRICHLOROETHANE	<4.0
TRICHLOROETHENE	<4.0
TRICHLOROFLUOROMETHANE	<10.0
VINYL CHLORIDE	<4.0
TOTAL XYLENES	970
TRICHLOROTRIFLUOROETHANE	<40.0
METHYL-t-BUTYL ETHER	<20.0
1,2-DIBROMOETHANE	<20.0
ACETONE	<1000

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	103
BROMOFLUOROBENZENE (%)	91

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20174306

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/20/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-6	DATE ANALYZED	: 01/23/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	<1.0
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	88
BROMOFLUOROBENZENE (%)	101

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20174307

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/20/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-7	DATE ANALYZED	: 01/24/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 25

COMPOUNDS	RESULTS
BENZENE	1200
BROMODICHLOROMETHANE	<5.0
BROMOFORM	<5.0
BROMOMETHANE	<5.0
CARBON TETRACHLORIDE	<5.0
CHLOROBENZENE	<12.5
CHLOROETHANE	<5.0
CHLOROFORM	<5.0
CHLOROMETHANE	<5.0
DIBROMOCHLOROMETHANE	<5.0
2-CHLOROETHYL VINYL ETHER	<12.5
1,3-DICHLOROBENZENE	<12.5
1,2 & 1,4-DICHLOROBENZENE	<12.5
DICHLORODIFLUOROMETHANE	<5.0
1,1-DICHLOROETHANE	<5.0
1,2-DICHLOROETHANE	<5.0
1,1-DICHLOROETHENE	<5.0
1,2-DICHLOROETHENE(TOTAL)	84
1,2-DICHLOROPROPANE	<5.0
CIS-1,3-DICHLOROPROPENE	<5.0
TRANS-1,3-DICHLOROPROPENE	<5.0
ETHYLBENZENE	940
METHYLENE CHLORIDE	<50.0
1,1,2,2-TETRACHLOROETHANE	<5.0
TETRACHLOROETHENE	<5.0
TOLUENE	4000 D
1,1,1-TRICHLOROETHANE	<5.0
1,1,2-TRICHLOROETHANE	<5.0
TRICHLOROETHENE	<5.0
TRICHLOROFLUOROMETHANE	<12.5
VINYL CHLORIDE	<5.0
TOTAL XYLENES	4000 D
TRICHLOROTRIFLUOROETHANE	<50.0
METHYL-t-BUTYL ETHER	160
1,2-DIBROMOETHANE	<25.0
ACETONE	<1250

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	100
BROMOFLUOROBENZENE (%)	98

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20174308

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/20/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-8	DATE ANALYZED	: 01/24/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 25

COMPOUNDS	RESULTS
BENZENE	2100
BROMODICHLOROMETHANE	<5.0
BROMOFORM	<5.0
BROMOMETHANE	<5.0
CARBON TETRACHLORIDE	<5.0
CHLOROBENZENE	<12.5
CHLOROETHANE	<5.0
CHLOROFORM	<5.0
CHLOROMETHANE	<5.0
DIBROMOCHLOROMETHANE	<5.0
2-CHLOROETHYL VINYL ETHER	<12.5
1,3-DICHLOROBENZENE	<12.5
1,2 & 1,4-DICHLOROBENZENE	<12.5
DICHLORODIFLUOROMETHANE	<5.0
1,1-DICHLOROETHANE	<5.0
1,2-DICHLOROETHANE	<5.0
1,1-DICHLOROETHENE	<5.0
1,2-DICHLOROETHENE(TOTAL)	45
1,2-DICHLOROPROPANE	<5.0
CIS-1,3-DICHLOROPROPENE	<5.0
TRANS-1,3-DICHLOROPROPENE	<5.0
ETHYLBENZENE	640
METHYLENE CHLORIDE	<50.0
1,1,2,2-TETRACHLOROETHANE	<5.0
TETRACHLOROETHENE	<5.0
TOLUENE	1200
1,1,1-TRICHLOROETHANE	<5.0
1,1,2-TRICHLOROETHANE	<5.0
TRICHLOROETHENE	<5.0
TRICHLOROFLUOROMETHANE	<12.5
VINYL CHLORIDE	<5.0
TOTAL XYLENES	1500
TRICHLOROTRIFLUOROETHANE	<50.0
METHYL-t-BUTYL ETHER	<25.0
1,2-DIBROMOETHANE	<25.0
ACETONE	<1250

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	93
BROMOFLUOROBENZENE (%)	90

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20174309

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/20/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-9	DATE ANALYZED	: 01/24/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1000

COMPOUNDS	RESULTS
BENZENE	14000
BROMODICHLOROMETHANE	<200
BROMOFORM	<200
BROMOMETHANE	<200
CARBON TETRACHLORIDE	<200
CHLOROBENZENE	<500
CHLOROETHANE	<200
CHLOROFORM	<200
CHLOROMETHANE	<200
DIBROMOCHLOROMETHANE	<200
2-CHLOROETHYL VINYL ETHER	<500
1,3-DICHLOROBENZENE	<500
1,2 & 1,4-DICHLOROBENZENE	<500
DICHLORODIFLUOROMETHANE	<200
1,1-DICHLOROETHANE	<200
1,2-DICHLOROETHANE	<200
1,1-DICHLOROETHENE	<200
1,2-DICHLOROETHENE(TOTAL)	<200
1,2-DICHLOROPROPANE	<200
CIS-1,3-DICHLOROPROPENE	<200
TRANS-1,3-DICHLOROPROPENE	<200
ETHYLBENZENE	7700
METHYLENE CHLORIDE	<2000
1,1,2,2-TETRACHLOROETHANE	<200
TETRACHLOROETHENE	<200
TOLUENE	<500
1,1,1-TRICHLOROETHANE	<200
1,1,2-TRICHLOROETHANE	<200
TRICHLOROETHENE	<200
TRICHLOROFLUOROMETHANE	<500
VINYL CHLORIDE	<200
TOTAL XYLENES	7900
TRICHLOROTRIFLUOROETHANE	<2000
METHYL-t-BUTYL ETHER	<1000
1,2-DIBROMOETHANE	<1000
ACETONE	<50000

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	91
BROMOFLUOROBENZENE (%)	83

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20174310

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/20/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-10	DATE ANALYZED	: 01/23/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	1.3
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	1.7
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	23
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	4.3
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	115
BROMOFLUOROBENZENE (%)	86

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20174311

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/20/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-11	DATE ANALYZED	: 01/25/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 50

COMPOUNDS	RESULTS
BENZENE	2800
BROMODICHLOROMETHANE	<10.0
BROMOFORM	<10.0
BROMOMETHANE	<10.0
CARBON TETRACHLORIDE	<10.0
CHLOROBENZENE	<25.0
CHLOROETHANE	<10.0
CHLOROFORM	13
CHLOROMETHANE	<10.0
DIBROMOCHLOROMETHANE	<10.0
2-CHLOROETHYL VINYL ETHER	<25.0
1,3-DICHLOROBENZENE	<25.0
1,2 & 1,4-DICHLOROBENZENE	<25.0
DICHLORODIFLUOROMETHANE	<10.0
1,1-DICHLOROETHANE	<10.0
1,2-DICHLOROETHANE	<10.0
1,1-DICHLOROETHENE	<10.0
1,2-DICHLOROETHENE(TOTAL)	27
1,2-DICHLOROPROPANE	<10.0
CIS-1,3-DICHLOROPROPENE	<10.0
TRANS-1,3-DICHLOROPROPENE	<10.0
ETHYLBENZENE	1500
METHYLENE CHLORIDE	<100.0
1,1,2,2-TETRACHLOROETHANE	<10.0
TETRACHLOROETHENE	<10.0
TOLUENE	2000 D
1,1,1-TRICHLOROETHANE	<10.0
1,1,2-TRICHLOROETHANE	<10.0
TRICHLOROETHENE	<10.0
TRICHLOROFLUOROMETHANE	<25.0
VINYL CHLORIDE	<10.0
TOTAL XYLENES	5200
TRICHLOROTRIFLUOROETHANE	<100.0
METHYL-t-BUTYL ETHER	<50.0
1,2-DIBROMOETHANE	<50.0
ACETONE	<2500

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	89
BROMOFLUOROBENZENE (%)	101

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20174312

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/20/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-12	DATE ANALYZED	: 01/24/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 250

COMPOUNDS	RESULTS
BENZENE	5500
BROMODICHLOROMETHANE	<50
BROMOFORM	<50
BROMOMETHANE	<50
CARBON TETRACHLORIDE	<50
CHLOROBENZENE	<125
CHLOROETHANE	<50
CHLOROFORM	<50
CHLOROMETHANE	<50
DIBROMOCHLOROMETHANE	<50
2-CHLOROETHYL VINYL ETHER	<125
1,3-DICHLOROBENZENE	<125
1,2 & 1,4-DICHLOROBENZENE	<125
DICHLORODIFLUOROMETHANE	<50
1,1-DICHLOROETHANE	<50
1,2-DICHLOROETHANE	<50
1,1-DICHLOROETHENE	<50
1,2-DICHLOROETHENE(TOTAL)	110
1,2-DICHLOROPROPANE	<50
CIS-1,3-DICHLOROPROPENE	<50
TRANS-1,3-DICHLOROPROPENE	<50
ETHYLBENZENE	1300
METHYLENE CHLORIDE	<500
1,1,2,2-TETRACHLOROETHANE	<50
TETRACHLOROETHENE	<50
TOLUENE	<125
1,1,1-TRICHLOROETHANE	<50
1,1,2-TRICHLOROETHANE	<50
TRICHLOROETHENE	<50
TRICHLOROFLUOROMETHANE	<125
VINYL CHLORIDE	<50
TOTAL XYLENES	<125
TRICHLOROTRIFLUOROETHANE	<500
METHYL-t-BUTYL ETHER	1700
1,2-DIBROMOETHANE	<250
ACETONE	<12500

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	93
BROMOFLUOROBENZENE (%)	91

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20174313

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/20/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-13	DATE ANALYZED	: 01/24/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	1.1
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	<1.0
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	87
BROMOFLUOROBENZENE (%)	84

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20174314

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/20/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-14	DATE ANALYZED	: 01/23/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 5

COMPOUNDS	RESULTS
BENZENE	310
BROMODICHLOROMETHANE	<1.0
BROMOFORM	<1.0
BROMOMETHANE	<1.0
CARBON TETRACHLORIDE	<1.0
CHLOROBENZENE	<2.5
CHLOROETHANE	<1.0
CHLOROFORM	<1.0
CHLOROMETHANE	<1.0
DIBROMOCHLOROMETHANE	<1.0
2-CHLOROETHYL VINYL ETHER	<2.5
1,3-DICHLOROBENZENE	<2.5
1,2 & 1,4-DICHLOROBENZENE	<2.5
DICHLORODIFLUOROMETHANE	<1.0
1,1-DICHLOROETHANE	<1.0
1,2-DICHLOROETHANE	<1.0
1,1-DICHLOROETHENE	<1.0
1,2-DICHLOROETHENE(TOTAL)	14
1,2-DICHLOROPROPANE	<1.0
CIS-1,3-DICHLOROPROPENE	<1.0
TRANS-1,3-DICHLOROPROPENE	<1.0
ETHYLBENZENE	43
METHYLENE CHLORIDE	<10.0
1,1,2,2-TETRACHLOROETHANE	<1.0
TETRACHLOROETHENE	<1.0
TOLUENE	<2.5
1,1,1-TRICHLOROETHANE	<1.0
1,1,2-TRICHLOROETHANE	<1.0
TRICHLOROETHENE	<1.0
TRICHLOROFLUOROMETHANE	<2.5
VINYL CHLORIDE	<1.0
TOTAL XYLENES	4
TRICHLOROTRIFLUOROETHANE	<10.0
METHYL-t-BUTYL ETHER	84
1,2-DIBROMOETHANE	<5.0
ACETONE	<250

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	99
BROMOFLUOROBENZENE (%)	112

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	ATI I.D.	: 201743
PROJECT #	: (NONE)	DATE EXTRACTED	: 01/23/92
PROJECT NAME	: EVER READY	DATE ANALYZED	: 01/23/92
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	<1.0
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	92
BROMOFLUOROBENZENE (%)	114

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	ATI I.D.	: 201743
PROJECT #	: (NONE)	DATE EXTRACTED	: 01/24/92
PROJECT NAME	: EVER READY	DATE ANALYZED	: 01/24/92
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	<1.0
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	97
BROMOFLUOROBENZENE (%)	95

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT	: JOHN W. SHOMAKER, INC	ATI I.D.	: 201743
PROJECT #	: (NONE)	DATE EXTRACTED	: 01/25/92
PROJECT NAME	: EVER READY	DATE ANALYZED	: 01/25/92
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0
METHYL-t-BUTYL ETHER	<1.0
1,2-DIBROMOETHANE	<1.0
ACETONE	<50

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	91
BROMOFLUOROBENZENE (%)	90

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 201743

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT : JOHN W. SHOMAKER, INC
PROJECT # : (NONE)
PROJECT NAME : EVER READY
REF I.D. : 20174306

DATE ANALYZED : 01/24/92
SAMPLE MATRIX : AQUEOUS
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1 DICHLOROETHENE	<0.2	20	21	105	22	110	5
TRICHLOROETHENE	<0.2	20	21	105	22	110	5
TETRACHLOROETHENE	<0.2	20	23	115	23	115	0
BENZENE	<0.5	20	19	95	19	95	0
BROMODICHLOROMETHANE	<0.2	20	21	105	22	110	5
CHLOROFORM	<0.2	20	23	115	24	120	4
1,1,1-TRICHLOROETHANE	<0.2	20	24	120	24	120	0
TOLUENE	<0.5	20	21	105	22	110	5
CHLOROBENZENE	<0.5	20	23	115	24	120	4
XYLENES	<0.5	20	20	100	20	100	0

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 201743

TEST : VOLATILE HALOCARBONS/AROMATICS (601/602) & MTBE

CLIENT : JOHN W. SHOMAKER, INC
PROJECT # : (NONE)
PROJECT NAME : EVER READY
REF I.D. : 20176804

DATE ANALYZED : 01/25/92
SAMPLE MATRIX : AQUEOUS
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1 DICHLOROETHENE	<0.2	20	21	105	21	105	0
TRICHLOROETHENE	<0.2	20	23	115	23	115	0
TETRACHLOROETHENE	<0.2	20	24	120	23	115	4
BENZENE	<0.5	20	19	95	19	95	0
BROMODICHLOROMETHANE	<0.2	20	22	110	21	105	5
CHLOROFORM	<0.2	20	23	115	22	110	4
1,1,1-TRICHLOROETHANE	<0.2	20	23	115	23	115	0
TOLUENE	<0.5	20	21	105	21	105	0
CHLOROBENZENE	<0.5	20	22	110	23	115	4
XYLENES	<0.5	20	20	100	20	100	0

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Analytical Technologies, Inc.

GCMS - RESULTS

ATI I.D. : 20174301

TEST : BTEX & MTBE (GC/MS,EPA METHOD 624)

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/20/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-1	DATE ANALYZED	: 01/29/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<1
TOLUENE	<1
ETHYLBENZENE	<1
TOTAL XYLENES	<1
METHYL TERT-BUTYL ETHER	<5
SURROGATE PERCENT RECOVERIES	
1,2-DICHLOROETHANE-D4 (%)	100
BROMOFLUOROBENZENE (%)	102
TOLUENE-D8 (%)	100

Analytical Technologies, Inc.

GCMS - RESULTS

ATI I.D. : 20174303

TEST : BTEX & MTBE (GC/MS,EPA METHOD 624)

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/20/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-3	DATE ANALYZED	: 01/29/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	900 D
TOLUENE	88
ETHYLBENZENE	370 D
TOTAL XYLENES	630 D
METHYL TERT-BUTYL ETHER	<5

SURROGATE PERCENT RECOVERIES

1,2-DICHLOROETHANE-D4 (%)	95
BROMOFLUOROBENZENE (%)	97
TOLUENE-D8 (%)	103

Analytical Technologies, Inc.

GCMS - RESULTS

ATI I.D. : 20174310

TEST : BTEX & MTBE (GC/MS,EPA METHOD 624)

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/20/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-10	DATE ANALYZED	: 01/29/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<1
TOLUENE	<1
ETHYLBENZENE	<1
TOTAL XYLENES	<1
METHYL TERT-BUTYL ETHER	<5
SURROGATE PERCENT RECOVERIES	
1,2-DICHLOROETHANE-D4 (%)	107
BROMOFLUOROBENZENE (%)	104
TOLUENE-D8 (%)	107

Analytical Technologies, Inc.

GCMS - RESULTS

ATI I.D. : 20174314

TEST : BTEX & MTBE (GC/MS,EPA METHOD 624)

CLIENT	: JOHN W. SHOMAKER, INC	DATE SAMPLED	: 01/20/92
PROJECT #	: (NONE)	DATE RECEIVED	: 01/21/92
PROJECT NAME	: EVER READY	DATE EXTRACTED	: N/A
CLIENT I.D.	: W-14	DATE ANALYZED	: 01/29/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	270
TOLUENE	<1
ETHYLBENZENE	50
TOTAL XYLENES	8
METHYL TERT-BUTYL ETHER	60

SURROGATE PERCENT RECOVERIES

1,2-DICHLOROETHANE-D4 (%)	104
BROMOFLUOROBENZENE (%)	101
TOLUENE-D8 (%)	98

Analytical Technologies, Inc.

GCMS - RESULTS

REAGENT BLANK

TEST : BTEX & MTBE (GC/MS,EPA METHOD 624)

CLIENT	: JOHN W. SHOMAKER, INC	ATI I.D.	: 201743
PROJECT #	: (NONE)	DATE EXTRACTED	: 01/30/92
PROJECT NAME	: EVER READY	DATE ANALYZED	: 01/30/92
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<1
TOLUENE	<1
ETHYLBENZENE	<1
TOTAL XYLENES	<1
METHYL TERT-BUTYL ETHER	<5

SURROGATE PERCENT RECOVERIES

1,2-DICHLOROETHANE-D4 (%)	80
BROMOFLUOROBENZENE (%)	91
TOLUENE-D8 (%)	95

Analytical Technologies, Inc.

GCMS - RESULTS

REAGENT BLANK

TEST : BTEX & MTBE (GC/MS,EPA METHOD 624)

CLIENT	: JOHN W. SHOMAKER, INC	ATI I.D.	: 201743
PROJECT #	: (NONE)	DATE EXTRACTED	: 01/29/92
PROJECT NAME	: EVER READY	DATE ANALYZED	: 01/29/92
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<1
TOLUENE	<1
ETHYLBENZENE	<1
TOTAL XYLENES	<1
METHYL TERT-BUTYL ETHER	<5

SURROGATE PERCENT RECOVERIES

1,2-DICHLOROETHANE-D4 (%)	101
BROMOFLUOROBENZENE (%)	98
TOLUENE-D8 (%)	105

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 201743

TEST : BTEX & MTBE (GC/MS,EPA METHOD 624)

CLIENT : JOHN W. SHOMAKER, INC
PROJECT # : (NONE)
PROJECT NAME : EVER READY
REF I.D. : 20299901

DATE ANALYZED : 01/29/92
SAMPLE MATRIX : AQUEOUS
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
BENZENE	<1	50	39	78	38	76	3
TOLUENE	<1	50	53	106	48	96	10

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Analytical Technologies, Inc.
Phoenix, Arizona

Chain of Custody

DATE 1-20-92 PAGE 1 OF 2

PROJECT MANAGER: Bob Newcomer

COMPANY: John W. Shomaker, Inc.
ADDRESS: 2703-D Broadbent Pkwy., NE
Albuquerque, NM 87107

BILL TO: Jim Shepherd
COMPANY: Ever Ready Oil Co., Inc.
ADDRESS: P.O. Box 25845
Albuquerque NM 87125

SAMPLERS: (Signature)

(505) 345-3407
PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010) + EDB	Aromatic Hydrocarbons (602/8020)	MTBE	MTBE by GC/MS	Pesticides/PCB (608/8080)	Herbicides (615/8150)		Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)			SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP			NUMBER OF CONTAINERS
W-1	1/20/92	9:30	water	1					X	X		X																	2
W-2	"	9:50	"	2					X	X	X																		2
W-3	"	10:10	"	3					X	X		X																	2
W-4	"	11:05	"	4					X	X	X																		2
W-5	"	11:25	"	5					X	X	X																		2
W-6	"	11:56	"	6					X	X	X																		2
W-7	"	13:20	"	7					X	X	X																		2
W-8	"	13:45	"	8					X	X	X																		2
W-9	"	14:00	"	9					X	X	X																		2

PROJECT INFORMATION	
PROJECT NO.:	
PROJECT NAME: Ever Ready/Sisters	
P.O. NO.:	
VIA: Fed Ex	
TAT: ☐ 24HR ☐ 48 HRS ☐ 1 WK ☒ 2 WKS	

SAMPLE RECEIPT	
TOTAL NO. OF CONTAINERS	18
CHAIN OF CUSTODY SEALS	N
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	201743

SAMPLE DISPOSAL INSTRUCTIONS
☒ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup (will call)

Comments: preserved with HCl and HgCl
Samples kept and shipped on ice

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 17:00	Signature: Time:	Signature: Time:
Printed Name: Date	Printed Name: Date	Printed Name: Date
Company: TWS Inc.	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 10:00
Printed Name: Date:	Printed Name: Date:	Printed Name: Date: Linda Eshelman 1/21/92
Company:	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)436-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001

DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC. • Pink - ORIGINATOR

Analytical Technologies, Inc.
Phoenix, Arizona

Chain of Custody

DATE 1-20-92 PAGE 2 OF 2

PROJECT MANAGER: Bob Newcomer

COMPANY: John W. Thomaker, Inc.
ADDRESS: 2703-D Broadbent Pkwy NE
Albuquerque, NM 87107

BILL TO: Jim Shepherd
COMPANY: Ever Ready Oil Co., Inc.
ADDRESS: P.O. Box 25845
Albuquerque, NM 87125

SAMPLERS: (Signature)

(505) 345-3407
PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010) + EDB	Aromatic Hydrocarbons (602/8020)	MTBE	MTBE by GC/MS	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP	NUMBER OF CONTAINERS
W-10	1/20/92	14:15	water	10					X	X		X												2
W-11	"	14:35	"	11					X	X	X													2
W-12	"	14:55	"	12					X	X	X													2
W-13	"	15:20	"	13					X	X	X													2
W-14	"	15:40	"	14					X	X		X												2

PROJECT INFORMATION	
PROJECT NO.:	
PROJECT NAME: Ever Ready/Isleta	
P.O. NO.:	
VIA: Fed Ex	
TAT: ☐ 24HR ☐ 48 HRS ☐ 1 WK ☒ 2 WKS	

SAMPLE RECEIPT	
TOTAL NO. OF CONTAINERS	10
CHAIN OF CUSTODY SEALS	N
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	201743

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup (will call)

Comments: preserved with HCl and HgCl
Samples kept on and shipped with ice

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 17:00	Signature: Time:	Signature: Time:
Printed Name: Date: Robert L. Perry 1-20-92	Printed Name: Date:	Printed Name: Date:
Company: IWS Inc.	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 10:00
Printed Name: Date:	Printed Name: Date:	Printed Name: Linda Eshelman Date: 1/21/92
Company:	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001

DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC. • Pink - ORIGINATOR

STATE OF NEW MEXICO DEPARTMENT OF HEALTH
SCIENTIFIC LABORATORY DIVISION
P.O. Box 4700 700 Camino de Salud, NE
Albuquerque, NM 87196-4700 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

December 26, 1991

Request
ID No. 012749

ANALYTICAL REPORT
SLD Accession No. OR-91-3692

Distribution
(__) User 55211
(▒) Submitter 303
(■) SLD Files

To: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Submitter: Lawrence Shore
Albuq. Environ. Health Dept.
Environmental Services Div.
P.O.Box 1293
Albuquerque, NM 87103

Re: **A water, purgeable sample submitted to this laboratory on December 10, 1991**

DEMOGRAPHIC DATA

COLLECTION
On: 9-Dec-91 *By:* Sho . . .
At: 14:00 hrs. *In/Near:* Albuquerque

LOCATION
Thriftway, HAB-1

ANALYTICAL RESULTS: Aromatic & Halogenated Purgeable [EPA-601/2] Screen (754)

Parameter	Value	Note	MDL	Units
Benzene	11800.00		200.00	ppb
Toluene	22000.00		200.00	ppb
Ethylbenzene	1900.00		200.00	ppb
p- & m-Xylene	7800.00		200.00	ppb
o-Xylene	3400.00		200.00	ppb

See Laboratory Remarks for Additional Information

Notations & Comments:
MDL = Minimal Detectable Level.
A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified;
T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.
Evidentiary Seals: Not Sealed☐; Intact: No☐, Yes☒ & Broken By: R Meyer Date: 12/17/91

Laboratory Remarks:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: NM SCIENTIFIC LABORATORY DIVISION Contract: N/A
Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A
Matrix: (soil/water) Water Lab Sample ID: OR-91-3692
Sample wt/vol: 5.0 (g/mL) mL SLD Batch No: 81
Level: (low/med) Low Date Received: 12/10/91
% Moisture: not dec. N/A dec. N/A Date Extracted: N/A
Extraction: (SepF/Cont/Sonc) N/A Date Analyzed: 12/17/91
GPC Cleanup: (Y/N) No pH: Dilution Factor: 200
CONCENTRATION UNITS:
(ug/L or ug/Kg): ug/L

(Continued on page 2.)

This sample was analyzed for the following compounds using EPA Methods 601 & 602

CAS NO.	COMPOUND	CONC.	QUALIFIER
67-64-1	Acetone	1000.0	U
71-43-2	Benzene	11800	
108-86-1	Bromobenzene	200.0	U
74-97-5	Bromochloromethane	200.0	U
75-27-4	Bromodichloromethane	200.0	U
75-25-2	Bromoform	200.0	U
78-93-3	2-Butanone (MEK)	1000.0	U
104-51-8	n-Butylbenzene	200.0	U
135-98-8	sec-Butylbenzene	200.0	U
98-06-6	tert-Butylbenzene	200.0	U
1634-04-4	tert-Butyl methyl ether (MTBE)	1000.0	U
56-23-5	Carbon tetrachloride	200.0	U
108-90-7	Chlorobenzene	200.0	U
67-66-3	Chloroform	200.0	U
95-49-8	2-Chlorotoluene	200.0	U
106-43-4	4-Chlorotoluene	200.0	U
96-12-8	1,2-Dibromo-3-chloropropane	200.0	U
124-48-1	Dibromochloromethane	200.0	U
106-93-4	1,2-Dibromoethane	200.0	U
74-95-3	Dibromomethane	200.0	U
95-50-1	1,2-Dichlorobenzene	200.0	U
541-73-1	1,3-Dichlorobenzene	200.0	U
106-46-7	1,4-Dichlorobenzene	200.0	U
75-71-8	Dichlorodifluoromethane	200.0	U
75-34-3	1,1-Dichloroethane	200.0	U
107-06-2	1,2-Dichloroethane	200.0	U
75-35-4	1,1-Dichloroethene	200.0	U
156-59-4	cis-1,2-Dichloroethene	200.0	U
156-60-5	trans-1,2-Dichloroethene	200.0	U
78-87-5	1,2-Dichloropropane	200.0	U
142-28-9	1,3-Dichloropropane	200.0	U
590-20-7	2,2-Dichloropropane	200.0	U
563-58-6	1,1-Dichloropropene	200.0	U
1006-01-5	cis-1,3-Dichloropropene	200.0	U
1006-02-6	trans-1,3-Dichloropropene	200.0	U
100-41-4	Ethylbenzene	1900	
87-68-3	Hexachlorobutadiene	200.0	U
98-82-8	Isopropylbenzene	200.0	U
99-87-6	4-Isopropyltoluene	200.0	U

(Continued on page 3.)

75-09-2	Methylene chloride	200.0	U
90-12-0	1-Methylnaphthalene	200.0	U
91-57-6	2-Methylnaphthalene	200.0	U
91-20-3	Naphthalene	200.0	U
103-65-1	Propylbenzene	200.0	U
100-42-5	Styrene	200.0	U
630-20-6	1,1,1,2-Tetrachloroethane	200.0	U
79-34-5	1,1,2,2-Tetrachloroethane	200.0	U
127-18-4	Tetrachloroethene	200.0	U
109-99-9	Tetrahydrofuran (THF)	1000.0	U
108-88-3	Toluene	22000	
87-61-5	1,2,3-Trichlorobenzene	200.0	U
120-82-1	1,2,4-Trichlorobenzene	200.0	U
71-55-6	1,1,1-Trichloroethane	200.0	U
79-00-5	1,1,2-Trichloroethane	200.0	U
79-01-6	Trichloroethene	200.0	U
75-69-4	Trichlorofluoromethane	200.0	U
96-18-4	1,2,3-Trichloropropane	200.0	U
95-63-6	1,2,4-Trimethylbenzene	200.0	U
108-67-8	1,3,5-Trimethylbenzene	200.0	U
75-01-4	Vinyl chloride	200.0	U
95-47-6	o-Xylene	3400	
N/A	p- & m-Xylene	7800	

Qualifier Definitions:

B - Indicates compound was detected in the Lab Blank as well as in the sample.
D - Indicates value taken from a secondary (diluted) sample analysis.
E - Indicates compound concentration exceeded the range of the standard curve.
J - Indicates an estimated value for tentatively identified compounds, or for compounds detected and identified but present at a concentration less than the quantitation limit.
N - Indicates that more than one peak was used for quantitation.
U - Indicates compound was analyzed for, but not detected above the concentration listed (Quantitation Limit).

QUALITY CONTROL SUMMARY FOR VOLATILES SCREEN

METHOD BLANK: A laboratory method blank was analyzed along with this sample to assure the absence of interfering contaminants

(Continued on page 4.)

from lab reagents, instruments, or the general laboratory environment. Unless listed below, no contaminants were detected in this blank above the reported detection limit.

COMPOUND DETECTED	CONCENTRATION (PPB)
No Compounds Detected	

SURROGATE RECOVERIES:

SURROGATE	CONCENTRATION	% RECOVERY
Fluorobenzene	50.0 ppb	107.4
2-Bromo-1-chloropropane	30.0 ppb	108.4

SPIKE RECOVERY: The % recoveries for compounds in the batch spike were from 80% to 120% with the exception of the compounds listed below:

COMPOUND	CONCENTRATION	% RECOVERY
No exceptions	. ppb	.

Analyst: R Meyerhein
Richard F. Meyerhein
Supervisor, Organic Chemistry

Reviewed By: Roberta Adams for RM
Richard F. Meyerhein 12/16/91
Supervisor, Organic Chemistry Section

SCIENTIFIC LABORATORY DIVISION
700 CAMINO DE SALUD N.E., ALBUQUERQUE, NM 87106
Organic Chemistry Section - Telephone: (505) 841-2570

Request ID No. 012749-C

Date Received: 12-10-91

2 User Code #: 5 5 2 1 1 | 3 Request ID No.: | 4 Priority Code #: | 5 Facility Name: Thriftway - 3339 Isleta | 6 County: Bernalillo | 7 City: Albuquerque | 8 State: NM

9 Sample Location: HAB-1

10 Collected By: Lawrence SHORE (First Last) On: 91/12/9 (Date: YY/MM/DD) At: 1410 hrs. (Time: 24 hr. clock 3:00 pm = 1500 hrs.)

11 Codes: 303 (Submitter) | WSS # | AEHD (Organization)

12 Latitude (DDMMSS) | Longitude (DDDMMSS) | 2 Digit ID (if needed)

13 Report To: Lawrence Shore | 14 Phone #: 768-2632

Address: P.O. Box 1293
Albuquerque, New Mexico 87103
City, State Zip

15 Sample Purpose: [ ] Compliance [X] Check [ ] Monitoring [ ] Special
Sampling Information: [X] Grab [ ] Composite _____ (Composite Time Period) [ ] Flow Proportioned [ ] Equal Aliquot [ ] Sample Split w/Permittee [X] Chain of Custody

16 Field Data: pH: _____, Conductivity: _____ umhos @ _____ °C, Temperature: _____ °C, Chlorine Residual: _____ mg/l, Flow: _____

17 Sample Source:
[ ] Stream
[X] Lake
[ ] Drain
[ ] Pool
[ ] WWTP
[X] Well; Depth: 8.1'
[ ] Spring
[ ] Distribution
[ ] Point-of-Entry
[ ] Other: _____

18 Field Notes/Sample #: Strong BETX ODOR - unweathered (5)

19 Sample Type: [X] Water, [ ] Soil, [ ] Food, [ ] Wastewater, [ ] Other _____
This form accompanies a single sample consisting of:
2 - septum vial(s) (volume = 40 mL)
_ - glass jugs (volume = _____)
_ - _____ (volume = _____)

20 Preservation:
[ ] NP No Preservation; Sample stored at room temperature
[ ] P-Ice Sample stored in an ice bath (Not Frozen)
[ ] P-TS Sample Preserved with Sodium Thiosulfate to remove chlorine residual
[ ] P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml)
[ ] Other 4 drops HCl

21 Analyses Requested: Please check the appropriate box(es) below to indicate the type of analytical screen(s) required. Whenever possible, list specific compounds suspected or required.

Volatile Screens:
[ ] - (753) Aliphatic Headspace (1-5 Carbons)
[ ] - (754) Aromatic & Halogenated Purgeables (EPA 601 & 602)
[ ] - (765) Mass Spectrometer Purgeables (EPA 624)
[ ] - (766) SDWA Total Trihalomethanes (EPA 501.1)
[ ] - (774) SDWA VOC's I [8 Regulated +] (EPA 502.2)
[ ] - (775) SDWA VOC's II [EDB & DBCP] (EPA 504)

Other Specific Compounds or Classes:
[X] - ( ) MTBE
[ ] - ( )
[ ] - ( )

Semivolatile Screens:
[ ] - (763) Acid Extractables
[ ] - (751) Aliphatic Hydrocarbons
[ ] - (755) Base/Neutral Extractables (EPA 625)
[ ] - (756) Base/Neutral/Acid Extractables (EPA 8270)
[ ] - (758) Herbicides, Chlorophenoxy Acid
[ ] - (759) Herbicides, Triazines
[ ] - (760) Organochlorine Pesticides
[ ] - (761) Organophosphate Pesticides
[ ] - (767) Polychlorinated Biphenyls (PCB's)
[ ] - (764) Polynuclear Aromatic Hydrocarbons
[ ] - (762) SDWA Pesticides & Herbicides

Remarks: Its very important that I have the MTBE concentrations in this sample.

SL 8912-OR Form New 12/89 This Form Will NOT Be Returned With Your Results. Please RETAIN A COPY!

STATE OF NEW MEXICO DEPARTMENT OF HEALTH
SCIENTIFIC LABORATORY DIVISION
P.O. Box 4700 700 Camino de Salud, NE
Albuquerque, NM 87196-4700 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

December 26, 1991

Request
ID No. 012742

ANALYTICAL REPORT
SLD Accession No. OR-91-3690

Distribution
(__) User 55211
(■) Submitter 303
(※) SLD Files

To: Lawrence Shore
Albuq. Environ. Health Dept.
Environmental Services Div.
P.O.Box 1293
Albuquerque, NM 87103

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A water, purgeable sample submitted to this laboratory on December 10, 1991**

DEMOGRAPHIC DATA

COLLECTION
On: 9-Dec-91 *By:* Sho . . .
At: 17:00 hrs. *In/Near:* Albuquerque

LOCATION
Thriftway, HAB-2

ANALYTICAL RESULTS: Aromatic & Halogenated Purgeable [EPA-601/2] Screen (754)

Parameter	Value	Note	MDL	Units
trans-1,2-Dichloroethene	3.80		1.00	ppb
cis-1,2-Dichloroethene	10.00		1.00	ppb
Trichloroethene	10.00		1.00	ppb
Tetrachloroethene	0.30	T	1.00	ppb
Toluene	6.50		1.00	ppb

See Laboratory Remarks for Additional Information

Notations & Comments:

MDL = Minimal Detectable Level.

A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified;
T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.

Evidentiary Seals: Not Sealed☐; Intact: No☐, Yes☒ & Broken By: R Mengelkamp Date: 12/17/91

Laboratory Remarks:

Trichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, and Toluene were confirmed by GC/MS. Tetrachloroethene was not confirmed by GC/MS.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: NM SCIENTIFIC LABORATORY DIVISION Contract: N/A
Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A
Matrix: (soil/water) Water Lab Sample ID: OR-91-3690
Sample wt/vol: 5.0 (g/mL) mL SLD Batch No: 81
Level: (low/med) Low Date Received: 12/10/91
% Moisture: not dec. N/A dec. N/A Date Extracted: N/A
Extraction: (SepF/Cont/Sonc) N/A Date Analyzed: 12/17/91

(Continued on page 2.)

GPC Cleanup: (Y/N) No pH: _____ Dilution Factor: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg): ug/L

This sample was analyzed for the following compounds using EPA Methods 601 & 602

CAS NO.	COMPOUND	CONC.	QUALIFIER
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
78-93-3	2-Butanone (MEK)	5.0	U
104-51-8	n-Butylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-Butyl methyl ether (MTBE)	5.0	U
56-23-5	Carbon tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
67-66-3	Chloroform	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
74-95-3	Dibromomethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
156-59-4	cis-1,2-Dichloroethene	10	
156-60-5	trans-1,2-Dichloroethene	3.8	
78-87-5	1,2-Dichloropropane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
1006-01-5	cis-1,3-Dichloropropene	1.0	U
1006-02-6	trans-1,3-Dichloropropene	1.0	U

(Continued on page 3.)

100-41-4	Ethylbenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
75-09-2	Methylene chloride	1.0	U
90-12-0	1-Methylnaphthalene	1.0	U
91-57-6	2-Methylnaphthalene	1.0	U
91-20-3	Naphthalene	1.0	U
103-65-1	Propylbenzene	1.0	U
100-42-5	Styrene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	0.3	J
109-99-9	Tetrahydrofuran (THF)	5.0	U
108-88-3	Toluene	6.5	
87-61-5	1,2,3-Trichlorobenzene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	10	
75-69-4	Trichlorofluoromethane	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
75-01-4	Vinyl chloride	1.0	U
95-47-6	o-Xylene	1.0	U
N/A	p- & m-Xylene	1.0	U

Qualifier Definitions:

B - Indicates compound was detected in the Lab Blank as well as in the sample.
D - Indicates value taken from a secondary (diluted) sample analysis.
E - Indicates compound concentration exceeded the range of the standard curve.
J - Indicates an estimated value for tentatively identified compounds, or for compounds detected and identified but present at a concentration less than the quantitation limit.
N - Indicates that more than one peak was used for quantitation.
U - Indicates compound was analyzed for, but not detected above the concentration listed (Quantitation Limit).

(Continued on page 4.)

QUALITY CONTROL SUMMARY FOR VOLATILES SCREEN

METHOD BLANK: A laboratory method blank was analyzed along with this sample to assure the absence of interfering contaminants from lab reagents, instruments, or the general laboratory environment. Unless listed below, no contaminants were detected in this blank above the reported detection limit.

COMPOUND DETECTED	CONCENTRATION (PPB)
No Compounds Detected	

SURROGATE RECOVERIES:

SURROGATE	CONCENTRATION	% RECOVERY
Fluorobenzene	50.0 ppb	97.
2-Bromo-1-chloropropane	30.0 ppb	101.4

SPIKE RECOVERY: The % recoveries for compounds in the batch spike were from 80% to 120% with the exception of the compounds listed below:

COMPOUND	CONCENTRATION	% RECOVERY
No exceptions	. ppb	.

Analyst: R Meyerhein
Richard F. Meyerhein
Supervisor, Organic Chemistry

Reviewed By: Roberta A Hines for RM
Richard F. Meyerhein 12/26/91
Supervisor, Organic Chemistry Section

700 CAMINO DE SALUD N.E., ALBUQUERQUE, NM 87106
Organic Chemistry Section - Telephone: (505) 841-2570

Request ID No. 012742-C

Date Received: 12-10-91

1 User Code #: 5 5 2 1 1

3 Request ID No.:

Place Form ID Sticker Here

4 Priority Code #:

5 Facility Name: Thriftway - 3339 Isleta

6 County: Bernalillo

7 City: Albuquerque

8 State: NM

9 Sample Location: #A,B-2

Collected By: Lawrence (First) SHORE (Last) On: 11/12/91 (Date: YY/MM/DD) At: 1100 hrs (Time: 24 hr. clock 3:00 pm = 1500 hrs.)

Codes: 303 Submitter; WSS #; AEHD Organization

12 Latitude (DDMMSS)

Longitude (DDDMMSS)

2 Digit ID (if needed)

Report To: Name: Lawrence Shore

14 Phone #: 768-2632

Address: P.O. Box 1293
Albuquerque, New Mexico 87103

City, State Zip

15 Sample Purpose:
- [ ] Compliance
- [x] Check
- [ ] Monitoring
- [ ] Special

Sampling Information:
- [x] Grab
- [ ] Composite (Composite Time Period)
  - [ ] Flow Proportioned
  - [ ] Equal Aliquot
- [ ] Sample Split w/Permittee
- [x] Chain of Custody

Field Data: pH: , Conductivity: umhos @ °C, Temperature: °C, Chlorine Residual: mg/l, Flow:

17 Sample Source:
- [ ] Stream
- [ ] Lake
- [ ] Drain
- [ ] Pool
- [ ] WWTP
- [x] Well; Depth: 8.2'
- [ ] Spring
- [ ] Distribution
- [ ] Point-of-Entry
- [ ] Other:

18 Field Notes/ Sample #: OLD WEATHERED GASOLINE smell from water. (1)

19 Sample Type: [x] Water, [ ] Soil, [ ] Food, [ ] Wastewater, [ ] Other

This form accompanies a single sample consisting of:
- 2 - septum vial(s) (volume = 40)
- - glass jugs (volume =)
- - (volume =)

20 Preservation:
- [ ] NP No Preservation; Sample stored at room temperature
- [x] P-Ice Sample stored in an ice bath (Not Frozen)
- [ ] P-TS Sample Preserved with Sodium Thiosulfate to remove chlorine residua
- [ ] P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml)
- [ ] Other Hg Cl - 4 drops

21 Analyses Requested: Please check the appropriate box(es) below to indicate the type of analytical screen(s) required. Whenever possible, list specific compounds suspected or required.

Volatile Screens:
- [ ] (753) Aliphatic Headspace (1-5 Carbons)
- [x] (754) Aromatic & Halogenated Purgeables (EPA 601 & 602)
- [ ] (765) Mass Spectrometer Purgeables (EPA 624)
- [ ] (766) SDWA Total Trihalomethanes (EPA 501.1)
- [ ] (774) SDWA VOC's I [8 Regulated +] (EPA 502.2)
- [ ] (775) SDWA VOC's II [EDB & DECP] (EPA 504)

Other Specific Compounds or Classes:
- [x] ( ) MTBE
- [ ] ( )
- [ ] ( )

Semivolatile Screens:
- [ ] (763) Acid Extractables
- [ ] (751) Aliphatic Hydrocarbons
- [ ] (755) Base/Neutral Extractables (EPA 625)
- [ ] (756) Base/Neutral/Acid Extractables (EPA 8270)
- [ ] (758) Herbicides, Chlorophenoxy Acid
- [ ] (759) Herbicides, Triazines
- [ ] (760) Organochlorine Pesticides
- [ ] (761) Organophosphate Pesticides
- [ ] (767) Polychlorinated Biphenyls (PCB's)
- [ ] (764) Polynuclear Aromatic Hydrocarbons
- [ ] (762) SDWA Pesticides & Herbicides

Remarks: Its very Important that I Know the MTBE CONCENTRATION in this Sample.

SD 8912-OR Form New 12/89

This Form Will NOT Be Returned With Your Results. Please RETAIN A COPY!

STATE OF NEW MEXICO DEPARTMENT OF HEALTH
SCIENTIFIC LABORATORY DIVISION
P.O. Box 4700 700 Camino de Salud, NE
Albuquerque, NM 87196-4700 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

December 26, 1991

Request ID No. 012746

ANALYTICAL REPORT
SLD Accession No. OR-91-3691

Distribution
(__) User 55211
(■) Submitter 303
(▩) SLD Files

To: Lawrence Shore
Albuq. Environ. Health Dept.
Environmental Services Div.
P.O.Box 1293
Albuquerque, NM 87103

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A water, purgeable sample submitted to this laboratory on December 10, 1991**

DEMOGRAPHIC DATA

COLLECTION
On: 9-Dec-91 *By:* Sho . . .
At: 16:15 hrs. *In/Near:* Albuquerque

LOCATION
Thriftway, HAB-3

ANALYTICAL RESULTS: Aromatic & Halogenated Purgeable [EPA-601/2] Screen (754)

Parameter	Value	Note	MDL	Units
trans-1,2-Dichloroethene	0.10	T	1.00	ppb
cis-1,2-Dichloroethene	0.70	T	1.00	ppb
Trichloroethene	6.00		1.00	ppb
Tetrachloroethene	0.90	T	1.00	ppb
Benzene	172.00		1.00	ppb
Toluene	10.60		1.00	ppb
Ethylbenzene	25.00		1.00	ppb

See Laboratory Remarks for Additional Information

Notations & Comments:
MDL = Minimal Detectable Level.
A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified;
T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.
Evidentiary Seals: Not Sealed☐; Intact: No☐, Yes☒ & Broken By: [signature] Date: 12/17/91

Laboratory Remarks:

The following compounds were also detected in this sample (detection limit = 1 ppb):

COMPOUND	CONCENTRATION
p- & m-Xylene	2.9
o-Xylene	3.6

A duplicate of this sample was analyzed, and the following results were obtained (detection limit = 1 ppb):

COMPOUND	CONCENTRATION
trans-1,2-Dichloroethene	0.0

(Continued on page 2.)

cis-1,2-Dichloroethene	0.6
Trichloroethene	5.9
Tetrachloroethene	0.8
Benzene	164.
Toluene	7.9
Ethylbenzene	23.5
p- & m-Xylene	2.2
o-Xylene	3.0

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: NM SCIENTIFIC LABORATORY DIVISION Contract: N/A
Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A
Matrix: (soil/water) Water Lab Sample ID: OR-91-3691
Sample wt/vol: 5.0 (g/mL) mL SLD Batch No: 81
Level: (low/med) Low Date Received: 12/10/91
% Moisture: not dec. N/A dec. N/A Date Extracted: N/A
Extraction: (SepF/Cont/Sonc) N/A Date Analyzed: 12/17/91
GPC Cleanup: (Y/N) No pH: Dilution Factor: 1
CONCENTRATION UNITS:
(ug/L or ug/Kg): ug/L

This sample was analyzed for the following compounds using EPA Methods 601 & 602

CAS NO.	COMPOUND	CONC.	QUALIFIER
67-64-1	Acetone	5.0	U
71-43-2	Benzene	172	
108-86-1	Bromobenzene	1.0	U
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
78-93-3	2-Butanone (MEK)	5.0	U
104-51-8	n-Butylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-Butyl methyl ether (MTBE)	5.0	U
56-23-5	Carbon tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
67-66-3	Chloroform	1.0	U
95-49-8	2-Chlorotoluene	1.0	U

(Continued on page 3.)

106-43-4	4-Chlorotoluene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
74-95-3	Dibromomethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
156-59-4	cis-1,2-Dichloroethene	0.7	J
156-60-5	trans-1,2-Dichloroethene	0.1	J
78-87-5	1,2-Dichloropropane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
1006-01-5	cis-1,3-Dichloropropene	1.0	U
1006-02-6	trans-1,3-Dichloropropene	1.0	U
100-41-4	Ethylbenzene	25	
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
75-09-2	Methylene chloride	1.0	U
90-12-0	1-Methylnaphthalene	1.0	U
91-57-6	2-Methylnaphthalene	1.0	U
91-20-3	Naphthalene	1.0	U
103-65-1	Propylbenzene	1.0	U
100-42-5	Styrene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	0.9	J
109-99-9	Tetrahydrofuran (THF)	5.0	U
108-88-3	Toluene	10.6	
87-61-5	1,2,3-Trichlorobenzene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	6.0	
75-69-4	Trichlorofluoromethane	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

(Continued on page 4.)

95-63-6	1,2,4-Trimethylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
75-01-4	Vinyl chloride	1.0	U
95-47-6	o-Xylene	3.6	
N/A	p- & m-Xylene	2.9	

Qualifier Definitions:
B - Indicates compound was detected in the Lab Blank as well as in the sample.
D - Indicates value taken from a secondary (diluted) sample analysis.
E - Indicates compound concentration exceeded the range of the standard curve.
J - Indicates an estimated value for tentatively identified compounds, or for compounds detected and identified but present at a concentration less than the quantitation limit.
N - Indicates that more than one peak was used for quantitation.
U - Indicates compound was analyzed for, but not detected above the concentration listed (Quantitation Limit).

QUALITY CONTROL SUMMARY FOR VOLATILES SCREEN

METHOD BLANK: A laboratory method blank was analyzed along with this sample to assure the absence of interfering contaminants from lab reagents, instruments, or the general laboratory environment. Unless listed below, no contaminants were detected in this blank above the reported detection limit.

COMPOUND DETECTED	CONCENTRATION (PPB)
No Compounds Detected	

SURROGATE RECOVERIES:

SURROGATE	CONCENTRATION	% RECOVERY
Fluorobenzene	50.0 ppb	119.
2-Bromo-1-chloropropane	30.0 ppb	113.

SPIKE RECOVERY: The % recoveries for compounds in the batch spike were from 80% to 120% with the exception of the compounds listed below:

COMPOUND	CONCENTRATION	% RECOVERY
No exceptions	. ppb	.

Analyst: R Meyerhein
Richard F. Meyerhein
Supervisor, Organic Chemistry

Reviewed By: Richard F. Meyerhein 12/26/91
Richard F. Meyerhein
Supervisor, Organic Chemistry Section

SCIENTIFIC LABORATORY DIVISION
700 CAMINO DE SALUD N.E., ALBUQUERQUE, NM 87106
Organic Chemistry Section - Telephone: (505) 841-2570

SLD No. [illegible]

Date Received: 12-10-91

2 User Code #: 5 5 1 2 1 1 1

3 Request ID No.:

Request ID No. 012746-C

4 Priority Code #: [ ] ("1" or "2", call EIC-SLD Coordinator)

5 Facility Name: Thriftway - 3339 Isleta

6 County: Bernalillo

7 City: Albuquerque

8 State: NM

9 Sample Location: HAB-3

10 Collected By: Lawrence SHORE (First Last) On: 91/12/9 (Date: YY/MM/DD) At: 1615 hrs. (Time: 24 hr. clock 0000 hrs - 1500 hrs.)

11 Codes: 303 (Submitter) - (WSS #) AEHD (Organization)

12 Latitude (DDMMSS) Longitude (DDDMMSS) 2 Digit ID (if needed)

13 Report To: Lawrence Shore

14 Phone #: 768-2632

Address: P.O. Box 1293
City, State Zip: Albuquerque, New Mexico 87103

15 Sample Purpose:
- [ ] Compliance
- [x] Check
- [ ] Monitoring
- [ ] Special

Sampling Information:
- [x] Grab
- [ ] Composite _____ (Composite Time Period)
  - [ ] Flow Proportioned
  - [ ] Equal Aliquot
- [ ] Sample Split w/Permittee
- [x] Chain of Custody

16 Field Data: pH: _____, Conductivity: _____ umhos @ _____ °C, Temperature: _____ °C, Chlorine Residual: _____ mg/l, Flow: _____

17 Sample Source:
- [ ] Stream
- [ ] Lake
- [ ] Drain
- [ ] Pool
- [ ] WWTP
- [x] Well; Depth: 7.5'
- [ ] Spring
- [ ] Distribution
- [ ] Point-of-Entry
- [ ] Other: _____

18 Field Notes/Sample #: Strong BTEX ODOR

19 Sample Type: [x] Water, [ ] Soil, [ ] Food, [ ] Wastewater, [ ] Other _____

This form accompanies a single sample consisting of:
- 2 - septum vial(s) (volume = 40 ML)
- _____ - glass jugs (volume = _____)
- _____ (volume = _____)

20 Preservation:
- [ ] NP No Preservation; Sample stored at room temperature
- [ ] P-Ice Sample stored in an ice bath (Not Frozen)
- [ ] P-TS Sample Preserved with Sodium Thiosulfate to remove chlorine residual
- [ ] P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml)
- [ ] Other 4 drops Hg Cl2

21 Analyses Requested: Please check the appropriate box(es) below to indicate the type of analytical screen(s) required. Whenever possible, list specific compounds suspected or required.

Volatile Screens:

- [ ] (753) Aliphatic Headspace (1-5 Carbons)
- [x] (754) Aromatic & Halogenated Purgeables (EPA 601 & 602)
- [ ] (765) Mass Spectrometer Purgeables (EPA 624)
- [ ] (766) SDWA Total Trihalomethanes (EPA 501.1)
- [ ] (774) SDWA VOC's I [8 Regulated +] (EPA 502.2)
- [ ] (775) SDWA VOC's II [EDB & DBCP] (EPA 504)

Other Specific Compounds or Classes:

- [x] ( ) MTBE
- [ ] ( )
- [ ] ( )

Semivolatile Screens:

- [ ] (763) Acid Extractables
- [ ] (751) Aliphatic Hydrocarbons
- [ ] (755) Base/Neutral Extractables (EPA 625)
- [ ] (756) Base/Neutral/Acid Extractables (EPA 8270)
- [ ] (758) Herbicides, Chlorophenoxy Acid
- [ ] (759) Herbicides, Triazines
- [ ] (760) Organochlorine Pesticides
- [ ] (761) Organophosphate Pesticides
- [ ] (767) Polychlorinated Biphenyls (PCB's)
- [ ] (764) Polynuclear Aromatic Hydrocarbons
- [ ] (762) SDWA Pesticides & Herbicides

Remarks: Its very important to know the MTBE concentration in this sample.

SLD 8912-OR Form New 12/89 This Form Will NOT Be Returned With Your Results. Please RETAIN A COPY!

STATE OF NEW MEXICO DEPARTMENT OF HEALTH
SCIENTIFIC LABORATORY DIVISION
P.O. Box 4700 700 Camino de Salud, NE
Albuquerque, NM 87196-4700 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

January 3, 1992

Request
ID No. 012741

ANALYTICAL REPORT
SLD Accession No. OR-91-3693

Distribution
(__) User 55211
(■) Submitter 303
(※) SLD Files

To: L. Shore
Albuq. Environ. Health Dept.
Environmental Services Div.
P.O.Box 1293
Albuquerque, NM 87103

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A water, Extractab sample submitted to this laboratory on December 10, 1991**

DEMOGRAPHIC DATA

COLLECTION		*LOCATION*
On: 9-Dec-91	*By:* Sho . . .	HAB-2 at 7 to 7.5
At: 16:40 hrs.	*In/Near:* Albuquerque	

ANALYTICAL RESULTS: Aliphatic Hydrocarbon (>10 Carbons) Screen (751)

Parameter	Value	Note	MDL	Units
See Laboratory Remarks for Additional Information				

Notations & Comments:

MDL = Minimal Detectable Level.

A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified; T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.

Evidentiary Seals: Not Sealed☐; Intact: No☐, Yes☒ & Broken By: Donna P Gallegos Date: 12/11/91

Laboratory Remarks: Thriftway- 3339 Isleta

HYDROCARBON FUEL SCREEN ANALYSIS DATA SHEET

Lab Name: NM SCIENTIFIC LABORATORY DIVISION Contract: N/A
Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A
Matrix: (soil/water) Soil Lab Sample ID: OR-92-3693
Sample wt/vol: 11.5 (g/mL) g SLD Batch No: 4-91-0066
Level: (low/med) Low Date Received: 12/10/91
% Moisture: not dec. 15.5 dec. Date Extracted: 12/11/91
Extraction: (SepF/Cont/Sonc) Sonic. Date Analyzed: 12/11/91
GPC Cleanup: (Y/N) No pH: Dilution Factor: <
CONCENTRATION UNITS:
(ug/L or mg/Kg): mg/kg

This sample was analyzed for hydrocarbons in the C5 to C30 molecular weight range using Gas Chromatography with a Flame Ionization Detector (FID). Since the FID is a nonspecific detector, all compound identifications should be considered as tentative. An attempt has been made below to assign the hydrocarbons found in the sample to an

(Continued on page 2.)

appropriate fuel fraction when the gas chromatograhic fingerprint pattern of the sample closely matches a fuel standard. When the hydrocarbons in the sample do not closely match any known specific fuel, the results will be reported as a hydrocarbon range.

TENTATIVELY IDENTIFIED FUEL FRACTIONS

The following fuel fractions were tentatively identified by FID

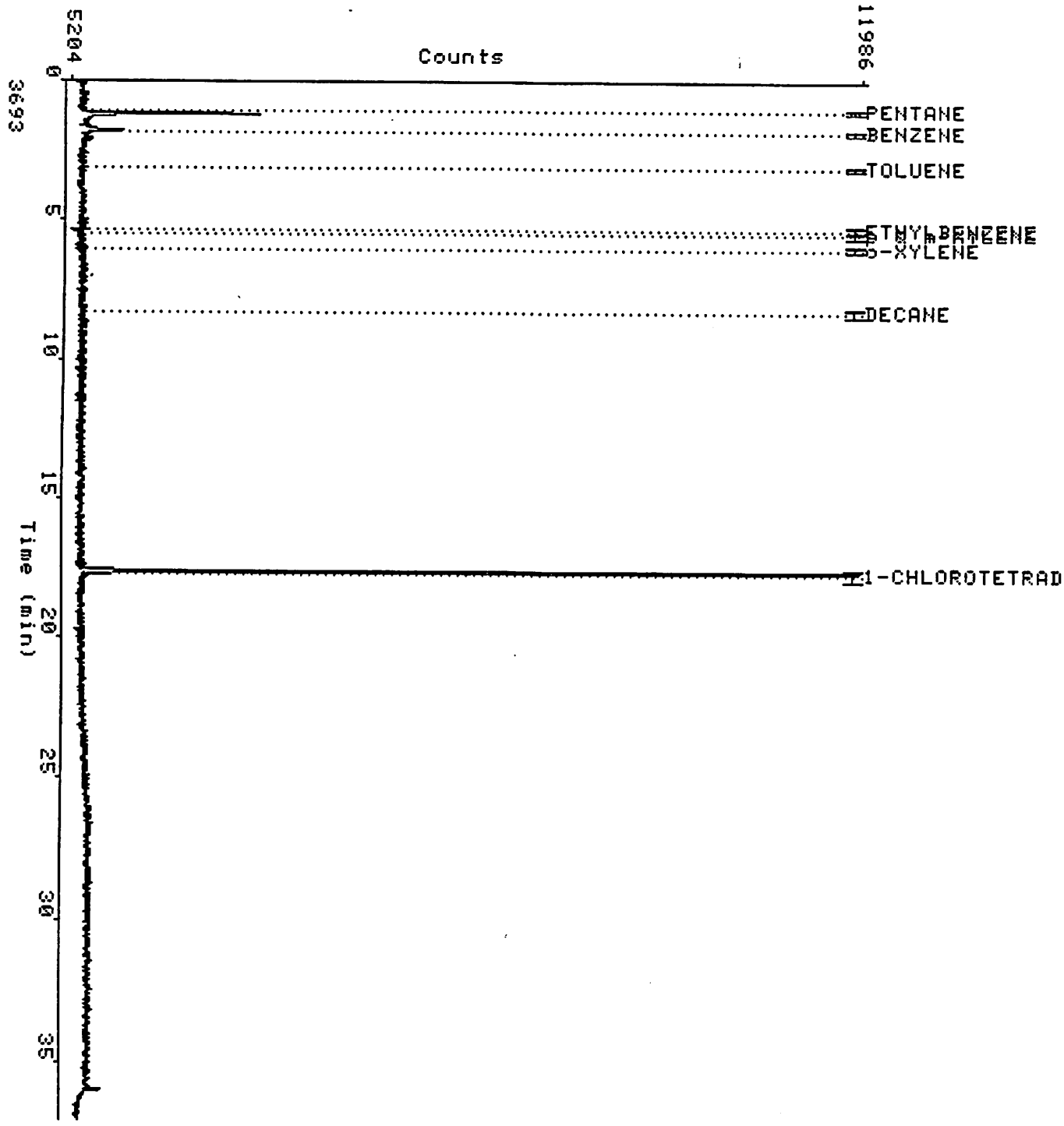
FUEL FRACTION	CARBON RANGE	EST. CONC.	% of All H-C's
GASOLINE	C5-C12	.	.
STODDARD SOLVENT	.	.	.
KEROSENE	.	.	.
JET-A	.	.	.
DIESEL FUEL	C10-C23	.	.
LUBRICATING OIL	C19-C29	.	.
UNKNOWN PATTERN	.	.	.

No aliphatic hydrocarbons were detected.

Analyst: Roberta E Hine
Roberta E. Hine
Analyst, Organic Chemistry

Reviewed By: _____
Richard F. Meyerhein 01/02/92
Supervisor, Organic Chemistry Section

Data File: USER$DIA1:[DATA.GARM]66A003
Report: 20613
Acquired: 11-DEC-1991 14:32:49
Time range: 0.00-37.00
Vert. scale/offset: 1.0/0



Date: 3-JAN-1992 14:28:35.01

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6[illegible]001	0.00	37.00	1.0	0	2
66A002	0.00	37.00	1.0	0	3

STATE OF NEW MEXICO DEPARTMENT OF HEALTH
SCIENTIFIC LABORATORY DIVISION
P.O. Box 4700 700 Camino de Salud, NE
Albuquerque, NM 87196-4700 [505]-841-2500
ORGANIC CHEMISTRY SECTION [505]-841-2570

January 3, 1992

Request
ID No. 012745

ANALYTICAL REPORT
SLD Accession No. OR-91-3694

Distribution
(__) User 55211
(■) Submitter 303
(※) SLD Files

To: L. Shore
Albuq. Environ. Health Dept.
Environmental Services Div.
P.O.Box 1293
Albuquerque, NM 87103

From: Organic Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A water, Extractab sample submitted to this laboratory on December 10, 1991**

DEMOGRAPHIC DATA

COLLECTION		*LOCATION*
On: 9-Dec-91	*By:* Sho . . .	HAB-3 at 6.5 to 7.0
At: 14:30 hrs.	*In/Near:* Albuquerque	

ANALYTICAL RESULTS: Aliphatic Hydrocarbon (>10 Carbons) Screen (751)

Parameter	Value	Note	MDL	Units
See Laboratory Remarks for Additional Information				

Notations & Comments:

MDL = Minimal Detectable Level.

A = Approximate Value; N = None Detected above Detection Limit; P = Compound Present, but not quantified;
T = Trace (<Detection Limit); U = Compound Identity Not Confirmed.

Evidentiary Seals: Not Sealed☐; Intact: No☐, Yes☒ & Broken By: Donna P Gallegos Date: 12/11/91

Laboratory Remarks: Thriftway- 3339 Isleta

HYDROCARBON FUEL SCREEN ANALYSIS DATA SHEET

Lab Name: NM SCIENTIFIC LABORATORY DIVISION Contract: N/A
Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A
Matrix: (soil/water) Soil Lab Sample ID: OR-92-3694
Sample wt/vol: 11.5 (g/mL) g SLD Batch No: 4-91-0066
Level: (low/med) Low Date Received: 12/10/91
% Moisture: not dec. 18.8 dec. Date Extracted: 12/11/91
Extraction: (SepF/Cont/Sonc) Sonic. Date Analyzed: 12/11/91
GPC Cleanup: (Y/N) No pH: Dilution Factor: <
CONCENTRATION UNITS:
(ug/L or mg/Kg): mg/kg

This sample was analyzed for hydrocarbons in the C5 to C30 molecular weight range using Gas Chromatography with a Flame Ionization Detector (FID). Since the FID is a nonspecific detector, all compound identifications should be considered as tentative. An attempt has been made below to assign the hydrocarbons found in the sample to an

(Continued on page 2.)

appropriate fuel fraction when the gas chromatograhic fingerprint pattern of the sample closely matches a fuel standard. When the hydrocarbons in the sample do not closely match any known specific fuel, the results will be reported as a hydrocarbon range.

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The following fuel fractions were tentatively identified by FID

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GASOLINE	C5-C12	.	.
STODDARD SOLVENT	.	.	.
KEROSENE	.	.	.
JET-A	.	.	.
DIESEL FUEL	C10-C23	.	.
LUBRICATING OIL	C19-C29	4600	100
UNKNOWN PATTERN	.	.	.

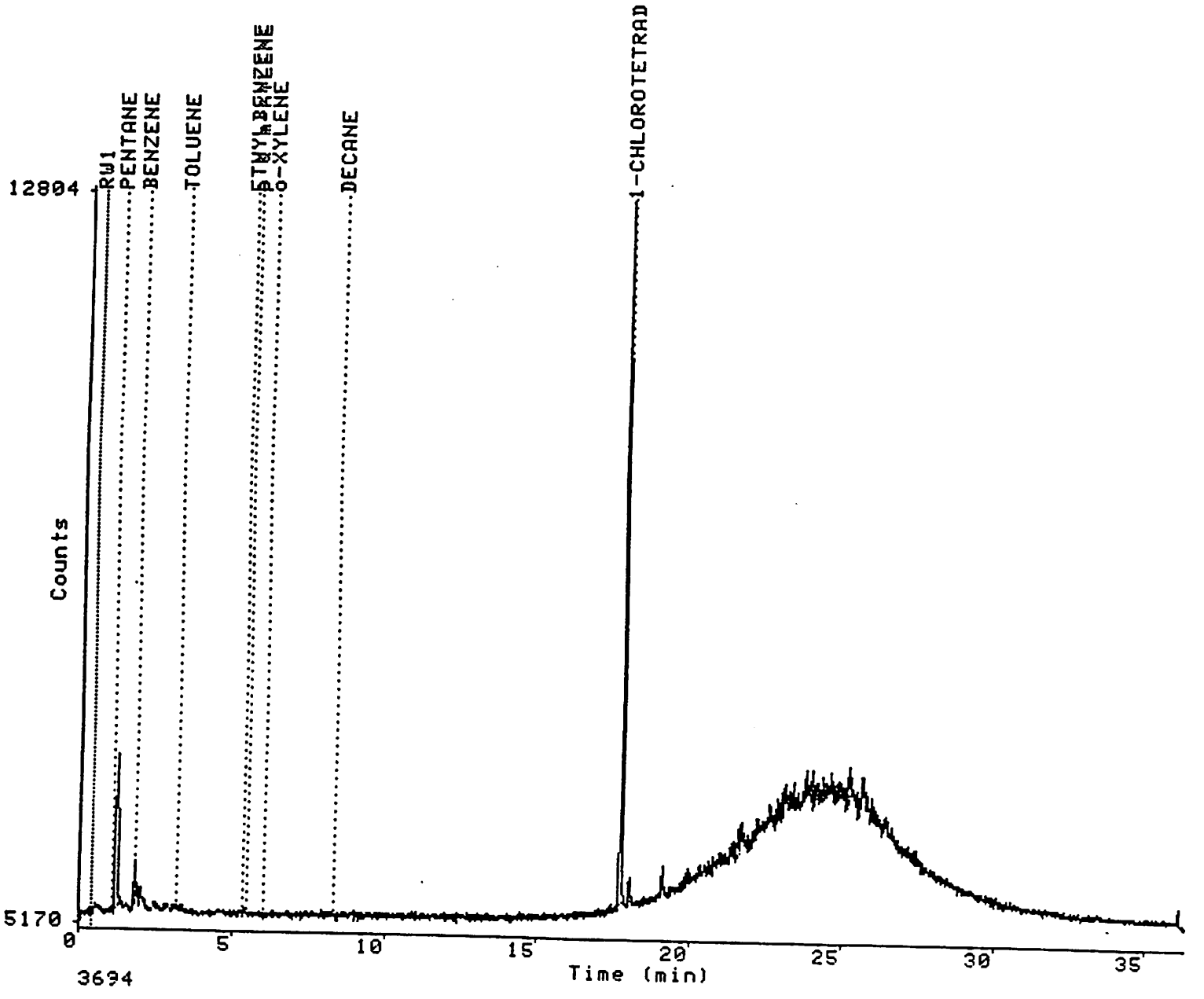
Sample contains a series of long chained hydrocarbons in th C19-C29 range and is consistent with motor oil. A small benzene peak was also detected , however this is consistent with a similar benzene peak known to be a contaminant present in the extraction solvent carbon disulfide.

Analyst: Roberta E. Hine
Roberta E. Hine
Analyst, Organic Chemistry

Reviewed By: R. Meyerhein
Richard F. Meyerhein 01/02/92
Supervisor, Organic Chemistry Section

Data file: USER$DIA1:[DATA.GARM]66A004.RAW;1
Report: 20614
Acquired: 11-DEC-1991 15:22:56
Time range: 0.00-37.00
Vert. scale/offset: 1.0/0

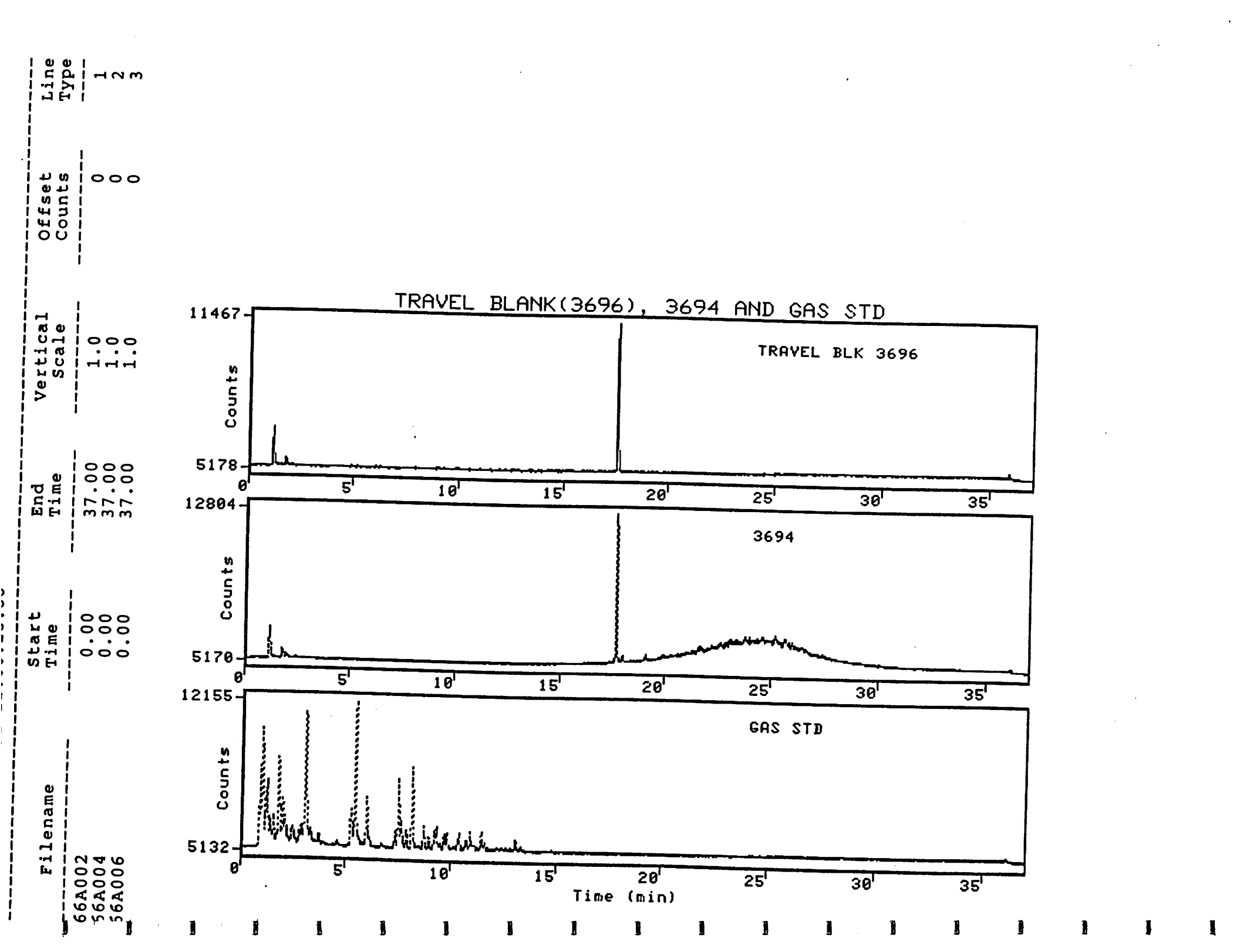
SOIL W/CS2 EXTRACTED IN FIELD



Data file: USERSDIA1:[DATA.GARM]66A004
Report: Reint
Acquired: 11-DEC-1991 15:22:56
Time range: 0.00-37.00
Vert. scale/offset: 1.0/0
12804
Counts
5170
0
3694
5
10
15
20
25
30
35
Time (min)
HC10
HC11
HC12
HC13
HC14
HC15
HC16
HC17
HC18
HC19
HC21
HC22
HC23
HC24
HC25
HC26

Date: 30-DEC-1991 16:26:47.93

Filename	Start Time	End Time	Vertical Scale	Offset Counts	Line Type
r6A004	0.00	37.00	1.0	0	1
6A006	0.00	37.00	1.0	0	2
r0A007	0.00	37.00	200.0	0	3


TRAVEL BLANK(3696), 3694 AND GAS STD
Filename
Start Time
End Time
Vertical Scale
Offset Counts
Line Type
66A002 0.00 37.00 1.0 0 1
56A004 0.00 37.00 1.0 0 2
56A006 0.00 37.00 1.0 0 3
11467
5178
Counts
TRAVEL BLK 3696
12804
5170
3694
12155
5132
GAS STD
0
5
10
15
20
25
30
35
Time (min)