



FIGURE 3 - Surveyors Map

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ALLWASTE TRANS. & REMED., INC

SAMPLE ID: GPW1
 AEN LAB NO: 9607374.01
 AEN WORK ORDER: 9607374
 CLIENT PROJ. ID: 948 88TH ST.

DATE SAMPLED: 07/29/96
 DATE RECEIVED: 07/29/96
 REPORT DATE: 08/08/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Volatile Organic Compounds	EPA 8240				
Acetone	67-64-1	ND	100	ug/L	07/31/96
Benzene	71-43-2	ND	5	ug/L	07/31/96
Bromodichloromethane	75-27-4	ND	5	ug/L	07/31/96
Bromoform	75-25-2	ND	5	ug/L	07/31/96
Bromomethane	74-83-9	ND	10	ug/L	07/31/96
2-Butanone	78-93-3	ND	100	ug/L	07/31/96
Carbon Disulfide	75-15-0	ND	10	ug/L	07/31/96
Carbon Tetrachloride	56-23-5	ND	5	ug/L	07/31/96
Chlorobenzene	108-90-7	ND	5	ug/L	07/31/96
Chloroethane	75-00-3	ND	10	ug/L	07/31/96
2-Chloroethyl Vinyl Ether	110-75-8	ND	10	ug/L	07/31/96
Chloroform	67-66-3	ND	5	ug/L	07/31/96
Chloromethane	74-87-3	ND	10	ug/L	07/31/96
Dibromochloromethane	124-48-1	ND	5	ug/L	07/31/96
1,1-Dichloroethane	75-34-3	ND	5	ug/L	07/31/96
1,2-Dichloroethane	107-06-2	ND	5	ug/L	07/31/96
1,1-Dichloroethene	75-35-4	ND	5	ug/L	07/31/96
cis-1,2-Dichloroethene	156-59-2	ND	5	ug/L	07/31/96
trans-1,2-Dichloroethene	156-60-5	ND	5	ug/L	07/31/96
1,2-Dichloropropane	78-87-5	ND	5	ug/L	07/31/96
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/L	07/31/96
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/L	07/31/96
Ethylbenzene	100-41-4	ND	5	ug/L	07/31/96
2-Hexanone	591-78-6	ND	50	ug/L	07/31/96
Methylene Chloride	75-09-2	ND	20	ug/L	07/31/96
4-Methyl-2-pentanone	108-10-1	ND	50	ug/L	07/31/96
Styrene	100-42-5	ND	5	ug/L	07/31/96
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/L	07/31/96
Tetrachloroethene	127-18-4	80 *	5	ug/L	07/31/96
Toluene	108-88-3	ND	5	ug/L	07/31/96
1,1,1-Trichloroethane	71-55-6	ND	5	ug/L	07/31/96
1,1,2-Trichloroethane	79-00-5	ND	5	ug/L	07/31/96
Trichloroethene	79-01-6	33 *	5	ug/L	07/31/96
Vinyl Acetate	108-05-4	ND	50	ug/L	07/31/96
Vinyl Chloride	75-01-4	ND	10	ug/L	07/31/96
Xylenes, Total	1330-20-7	ND	10	ug/L	07/31/96

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

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**AEN (CALIFORNIA)
QUALITY CONTROL REPORT**

AEN JOB NUMBER: 9607374

CLIENT PROJECT ID: 948 88TH ST.

Quality Control and Project Summary

All laboratory quality control parameters were found to be within established limits.

Definitions

Laboratory Control Sample (LCS)/Method Spike(s): Control samples of known composition. LCS and Method Spike data are used to validate batch analytical results.

Matrix Spike(s): Aliquot of a sample (aqueous or solid) with added quantities of specific compounds and subjected to the entire analytical procedure. Matrix spike and matrix spike duplicate QC data are advisory.

Method Blank: An analytical control consisting of all reagents, internal standards, and surrogate standards carried through the entire analytical process. Used to monitor laboratory background and reagent contamination.

Not Detected (ND): Not detected at or above the reporting limit.

Relative Percent Difference (RPD): An indication of method precision based on duplicate analysis.

Reporting Limit (RL): The lowest concentration routinely determined during laboratory operations. The RL is generally 1 to 10 times the Method Detection Limit (MDL). Reporting limits are matrix, method, and analyte dependent and take into account any dilutions performed as part of the analysis.

Surrogates: Organic compounds which are similar to analytes of interest in chemical behavior, but are not found in environmental samples. Surrogates are added to all blanks, calibration and check standards, samples, and spiked samples. Surrogate recovery is monitored as an indication of acceptable sample preparation and instrumental performance.

D: Surrogates diluted out.

#: Indicates result outside of established laboratory QC limits.

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QUALITY CONTROL DATA

METHOD: EPA 8240

AEN JOB NO: 9607374
 INSTRUMENT: 13
 MATRIX: WATER

Surrogate Standard Recovery Summary

Date Analyzed	Client Id.	Lab Id.	Percent Recovery		
			1,2-Dichloroethane-d ₄	Toluene-d ₈	p-Bromofluorobenzene
07/31/96	GPW1	01	107	92	86
QC Limits:			76-114	88-110	86-115

DATE ANALYZED: 08/01/96
 SAMPLE SPIKED: 9607395-01
 INSTRUMENT: 13

Matrix Spike Recovery Summary

Analyte	Spike Added (ug/L)	Average Percent Recovery	RPD	QC Limits	
				Percent Recovery	RPD
1,1-Dichloroethene	50	142	5	59-155	25
Trichloroethene	50	107	14	71-157	25
Benzene	50	93	11	37-151	25
Toluene	50	98	9	47-150	25
Chlorobenzene	50	95	13	37-160	25

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

END OF REPORT



Allwaste Transportation and Remediation, Inc
 PO Box 150 / 12475 Llagas Ave
 San Martin Ca 95046

CHAIN OF CUSTODY REQUEST FOR ANALYSIS

R-3, S-2 9607374

Laboratory: AEN Date: 7/29/96
 Contact: ROBIN/DEAN Page: 1
 Phone: 930-9090 of: 1

PROJECT INFORMATION						ANALYSES										CONTAINERS				
Project Manager: <u>CHRIS MERRITT</u>		Project Name: <u>748 88th St</u>														Number of Containers				
Fax Results to: <u>SAME 408 6630485</u>		Project # _____																		
Sample(s): <u>CPY/CS</u>		P.O. # _____																		
Turn Around Time: 10 Day <u>5 Day</u> 48 Hr. 24 Hr. Other: _____																				
Sample ID	Lab ID	Date	Time	Matrix	Preserv.	TOC (EPA 8200)	TRPH (EPA 816.1)	Semivolatile Organics (EPA 8210/8217/8215)	Volatile Organics (EPA 8210)	Purgeable Halocarbons (EPA 8210/8211)	Purgeable Aromatics / BTEX (EPA 8210/8212)	TPH Ketone/Diesel/Hex Oil (EPA 8010/8015)	TPH Diesel (EPA 8010/8018)	TPH Gasoline / BTEX (EPA 8010/8015/8018/8019)	Soluble Extraction TECP or STC (METH)	Total or Soluble Total 22 Metals				
<u>GPW1</u>	<u>OIA-D</u>	<u>7/29/96</u>	<u>1504</u>	<u>H₂O</u>	<u>ACL</u>				X											7
SPECIAL INSTRUCTIONS / COMMENTS:		Relinquished by (Sampler): <u>CHRIS MERRITT</u> <u>16:50</u> (Signature) (Time)		Relinquished by: _____ (Signature) (Time)		Relinquished by: _____ (Signature) (Time)		Relinquished by: _____ (Signature) (Time)		Total Number of Containers →										
		<u>CHRIS MERRITT</u> <u>7/29</u> (Printed Name) (Date)		_____ (Printed Name) (Date)		_____ (Printed Name) (Date)		_____ (Printed Name) (Date)		Head Space? Y / N										
		<u>ALLWASTE</u> (Company)		_____ (Company)		_____ (Company)		_____ (Company)		Received in good Condition (Cold)? Y / N										
		Received by: _____ (Signature) (Time)		Received by: _____ (Signature) (Time)		Received by (Laboratory): <u>RONALD JENSEN</u> <u>16:50</u> (Signature) (Time)		_____ (Signature) (Time)		Conforms to Record? Y / N										
		<u>CHRIS MERRITT</u> <u>7/29</u> (Printed Name) (Date)		<u>RON JENSEN</u> <u>16:50</u> (Printed Name) (Date)		<u>RON JENSEN</u> <u>16:50</u> (Printed Name) (Date)		<u>RON JENSEN</u> <u>16:50</u> (Printed Name) (Date)												
		<u>ALLWASTE</u> (Company)		<u>ALLWASTE</u> (Company)		<u>AEN</u> <u>7/29/96</u> (Company) (Date)		<u>AEN</u> <u>7/29/96</u> (Company) (Date)												



FIELD ACTIVITY DAILY LOG

DATE	7	29	96
NO.			
SHEET	1	OF	1

PROJECT NAME: 948 88th ST PROJECT NO.

FIELD ACTIVITY SUBJECT: BORING TO OBTAIN H₂O SAMPLE

DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:

ON SITE @ 11:00 AM
 DISTANCE MW3 TO GP1 @ 1.8'
 " MW2 " " @ 3.0'
 ADVANCED GEOPROBE W/ HYDRO PUNCH ATTACHMENT
 TO ≈ 24 FEET OBTAINED 4 40ml VOA VIALS FOR
 8240 ANALYSIS.

VISITORS ON SITE: ARTESIAN
 CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS.

WEATHER CONDITIONS: SUNNY, HOT
 IMPORTANT TELEPHONE CALLS:

PERSONNEL ON SITE: CHRIS MERRITT FRED SMITH

SIGNATURE SAME DATE: 7/29/96

GROUND WATER SAMPLING FIELD DATA SHEET

Well ID: GEOPROBE	Depth to Water: ft
Date: 7/29/96	Time: 12:21
Project:	Project #:



*Volume per Linear foot (dia)

Casing Depth:	22.75 ft	1.5 gal/ft (6")				
Depth to Water:	10.10 ft	0.66 gal/ft (4")				
Height of Water Column:	12.65 ft	X 0.17 gal/ft (2") =	≈ 1 gal	X 8	=	8 gal

Purge factor (casing volumes)

Well Casing Volume Volume to Purge



Purging Equipment/Methods: **PERISTALTIC, ACTUAL PURGED 8.5**

Time	Temp	Cond.	pH	Turbidity	Gallons	Time	Temp	Cond.	pH	Turbidity	Gallons
				MUDDY	1						
				TURBID	2						
				TURBID	3						
				SLT	5						
				SLT	7						
				CLEAR	8.5						

Purged dry? No Yes Recovery: _____ Volume purged prior to sampling: 8.5 gal

Purge Water Disposal: **TO DRUM**



Sampling Equipment/Methods:

Sample Containers	Qty	Preserved?	Filtered?	Comments
40-ml VOAs	4	YES	NO	8240 ANALYSES 24 HOUR TAT
1-liter amber bottles				
1-liter plastic bottles				
500-ml plastic bottles				
250-ml plastic bottles				

Sample ID: CPW1

Time Sampled: 1504

Comments/Problems:

Witnesses:
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