

American Environmental Network

Certificate of Analysis

DOHS Certification: 1172

AIHA Accreditation: 11134

PAGE 1

PES ENVIRONMENTAL, INC.
1682 NOVATO BLVD.
SUITE 100
NOVATO, CA 94947

ATTN: JAY JASPERSE

CLIENT PROJ. NAME: DUBLIN ROCK
C.O.C. NUMBER: 950824-V-1

REPORT DATE: 09/08/95

DATE(S) SAMPLED: 08/24/95

DATE RECEIVED: 08/28/95

AEN WORK ORDER: 9508371


PROJECT SUMMARY:

On August 28, 1995, this laboratory received 7 water sample(s).

Client requested sample(s) be analyzed for organic parameters. Results of analysis are summarized on the following page(s). Please see quality control report for a summary of QC data pertaining to this project.

Samples will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Samples may be archived by prior arrangement.

If you have any questions, please contact Client Services at (510) 930-9090.


Larry Klein
Laboratory Director

PES ENVIRONMENTAL, INC.

SAMPLE ID: MW-1
AEN LAB NO: 9508371-01
AEN WORK ORDER: 9508371
CLIENT PROJ. ID:

DATE SAMPLED: 08/24/95
DATE RECEIVED: 08/28/95
REPORT DATE: 09/08/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	0.5	ug/L	09/06/95
Toluene	108-88-3	ND	0.5	ug/L	09/06/95
Ethylbenzene	100-41-4	ND	0.5	ug/L	09/06/95
Xylenes, Total	1330-20-7	ND	2	ug/L	09/06/95
Purgeable HCs as Gasoline	5030/GCFID	ND	0.05	mg/L	09/06/95

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

PES ENVIRONMENTAL, INC.

SAMPLE ID: MW-2
 AEN LAB NO: 9508371-02
 AEN WORK ORDER: 9508371
 CLIENT PROJ. ID:

DATE SAMPLED: 08/24/95
 DATE RECEIVED: 08/28/95
 REPORT DATE: 09/08/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	13,000 *	200	ug/L	09/06/95
Toluene	108-88-3	8,100 *	200	ug/L	09/06/95
Ethylbenzene	100-41-4	3,700 *	200	ug/L	09/06/95
Xylenes, Total	1330-20-7	16,000 *	800	ug/L	09/06/95
Purgeable HCs as Gasoline	5030/GCFID	86 *	20	mg/L	09/06/95

Reporting limits elevated due to high levels of target compounds. Sample run at dilution.

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

PES ENVIRONMENTAL, INC.

SAMPLE ID: MW-3
AEN LAB NO: 9508371-03
AEN WORK ORDER: 9508371
CLIENT PROJ. ID:

DATE SAMPLED: 08/24/95
DATE RECEIVED: 08/28/95
REPORT DATE: 09/08/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	0.5	ug/L	09/06/95
Toluene	108-88-3	ND	0.5	ug/L	09/06/95
Ethylbenzene	100-41-4	ND	0.5	ug/L	09/06/95
Xylenes, Total	1330-20-7	ND	2	ug/L	09/06/95
Purgeable HCs as Gasoline	5030/GCFID	ND	0.05	mg/L	09/06/95

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

PES ENVIRONMENTAL, INC.

SAMPLE ID: MW-4
AEN LAB NO: 9508371-04
AEN WORK ORDER: 9508371
CLIENT PROJ. ID:

DATE SAMPLED: 08/24/95
DATE RECEIVED: 08/28/95
REPORT DATE: 09/08/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	1 *	0.5	ug/L	09/06/95
Toluene	108-88-3	ND	0.5	ug/L	09/06/95
Ethylbenzene	100-41-4	1 *	0.5	ug/L	09/06/95
Xylenes, Total	1330-20-7	ND	2	ug/L	09/06/95
Purgeable HCs as Gasoline	5030/GCFID	0.4 *	0.05	mg/L	09/06/95

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

PES ENVIRONMENTAL, INC.

SAMPLE ID: MW-5
AEN LAB NO: 9508371-05
AEN WORK ORDER: 9508371
CLIENT PROJ. ID:

DATE SAMPLED: 08/24/95
DATE RECEIVED: 08/28/95
REPORT DATE: 09/08/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	0.5	ug/L	09/06/95
Toluene	108-88-3	ND	0.5	ug/L	09/06/95
Ethylbenzene	100-41-4	ND	0.5	ug/L	09/06/95
Xylenes, Total	1330-20-7	ND	2	ug/L	09/06/95
Purgeable HCs as Gasoline	5030/GCFID	ND	0.05	mg/L	09/06/95

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

PES ENVIRONMENTAL, INC.

SAMPLE ID: MW-6
AEN LAB NO: 9508371-06
AEN WORK ORDER: 9508371
CLIENT PROJ. ID:

DATE SAMPLED: 08/24/95
DATE RECEIVED: 08/28/95
REPORT DATE: 09/08/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	0.5	ug/L	09/06/95
Toluene	108-88-3	ND	0.5	ug/L	09/06/95
Ethylbenzene	100-41-4	ND	0.5	ug/L	09/06/95
Xylenes, Total	1330-20-7	ND	2	ug/L	09/06/95
Purgeable HCs as Gasoline	5030/GCFID	ND	0.05	mg/L	09/06/95

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

PES ENVIRONMENTAL, INC.

SAMPLE ID: TRIP
AEN LAB NO: 9508371-07
AEN WORK ORDER: 9508371
CLIENT PROJ. ID:

DATE SAMPLED:
DATE RECEIVED: 08/28/95
REPORT DATE: 09/08/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	0.5	ug/L	09/06/95
Toluene	108-88-3	ND	0.5	ug/L	09/06/95
Ethylbenzene	100-41-4	ND	0.5	ug/L	09/06/95
Xylenes, Total	1330-20-7	ND	2	ug/L	09/06/95
Purgeable HCs as Gasoline	5030/GCFID	ND	0.05	mg/L	09/06/95

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

AEN (CALIFORNIA)
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9508371

CLIENT PROJECT ID: DUBLIN ROCK

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.

QUALITY CONTROL DATA

METHOD: EPA 8020, 5030 GCFID

AEN JOB NO: 9508371
 INSTRUMENT: H
 MATRIX: WATER

Surrogate Standard Recovery Summary

Date Analyzed	Client Id.	Lab Id.	Percent Recovery Fluorobenzene
09/06/95	MW1	01	100
09/06/95	MW2	02	100
09/06/95	MW3	03	101
09/06/95	MW4	04	93
09/06/95	MW5	05	100
09/06/95	MW6	06	100
09/06/95	TRIP	07	100
QC Limits:			92-109

DATE ANALYZED: 09/05/95
 SAMPLE SPIKED: 9508319-03
 INSTRUMENT: H

Matrix Spike Recovery Summary

Analyte	Spike Added (ug/L)	Average Percent Recovery	RPD	QC Limits	
				Percent Recovery	RPD
Benzene	36.1	105	8	85-109	17
Toluene	99.3	106	11	87-111	16
Hydrocarbons as Gasoline	1000	103	<1	66-117	19

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

*** END OF REPORT ***

BLAINE TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

AEN 9508371

DHS #

CONDUCT ANALYSIS TO DETECT

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

- EPA
- LIA
- OTHER
- RWQCB REGION II

CHAIN OF CUSTODY
950824-V-1

CLIENT **PES ENVIRONMENTAL, INC**

SITE **DUBLIN ROCK + REDI MIX**
6393 SCARLETT CT
DUBLIN, CA

C = COMPOSITE ALL CONTAINERS

TPH GAS, BTEX

SPECIAL INSTRUCTIONS

PES proj. Dublin Rock
Results to ~~Mary Williams~~ ^{g/w}
Jay Jasnow

SAMPLE I.D.	MATRIX S = SOIL W = H2O	CONTAINERS		C	TPH GAS, BTEX					ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
		TOTAL											
MW-1	01A-C	W	3		✓								
MW-2	02A-C	W	3		✓								
MW-3	03A-C	W	3		✓								
MW-4	04A-C	W	3		✓								
MW-5	05A-C	W	3		✓								
MW-6	06A-C	W	3		✓								
Trip	07A-C	W	2		✓								

SAMPLING COMPLETED **8-24-95 1400** | DATE **8/28/95** | TIME **14:40** | SAMPLING PERFORMED BY **F.A. VANDEW BROECK 300** | RESULTS NEEDED NO LATER THAN **Practice Turnaround**

RELEASED BY **[Signature]** | DATE **8/28/95** | TIME **14:40** | RECEIVED BY **[Signature]** | DATE **8-28-95** | TIME **14:40**

RELEASED BY **[Signature]** | DATE **8-28-95** | TIME **16:10** | RECEIVED BY **[Signature]** | DATE **8/28/95** | TIME **16:10**

RELEASED BY **[Signature]** | DATE **8/28/95** | TIME **16:10** | RECEIVED BY **[Signature]** | DATE **8/28/95** | TIME **16:10**

SHIPPED VIA _____ | DATE SENT _____ | TIME SENT _____ | COOLER # _____