

U.S. Department
of Transportation

United States
Coast Guard



Civil Engineering Unit Oakland
United States Coast Guard

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Environmental
PROTECTION

98 NOV -9 PM 4: 50

November 4, 1998

Mr. Larry Seto
Alameda County
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Dear Mr. Seto:

Enclosure (1) is a copy of the air sample collected from building 15. The sample was collected on 24 September in accordance with protocol NIOSH 1501. No benzene was detected in the shop workspace above the closed-in-place underground storage tank.

This analysis demonstrates there is no contaminant pathway from the small amount of benzene remaining in the subsurface. Consequently, there is no risk to human health. As we previously discussed, the extent of the benzene plume in groundwater has been characterized and does not pose a threat to the environment. We believe no further action is either necessary or warranted at this site and request your concurrence on closure.

For questions regarding this or other issues related to the site, please contact Mr. Joseph Sabel at 510-535-7239. Fax transmissions may be sent to 510-535-7288. Electronic mail may be sent to jsabel@d11.uscg.mil.

Sincerely,

A handwritten signature in cursive script that reads "Dave Stalters".

DAVE STALTERS

Chief, Environmental Division

U.S. Coast Guard

By direction of the Commanding Officer

Encl: (1) Lab analysis

Copy: CG MLCPAC (sa, kse)
CG ISC Alameda

Attn: lab rpt



10/8/98

Submitted To: Helen Porter
USCG MLCPAC
Coast Guard Island, Bldg. 54-B
Alameda, CA
94501-5100

Reference Data: **Benzene**

Sample Location: ISC Alameda Bldg. 15
Sample Type: Charcoal tube
Client Sample No.: IHEH002 through IHEH006
PO #: 32-75232-2L003
Method Reference: NIOSH 1501
Sample Set ID#: 98-C-6308
DATACHEM Lab No.: 98-38880 through 98-38884
Date Submitted: 10/5/98
Preparation Date: 10/7/98
Analysis Date: 10/7/98

The samples were prepared by desorption in carbon disulfide.

The analysis was performed on a Hewlett Packard 5890 gas chromatograph equipped with a flame ionization detector and a Nukol capillary column with temperature programming from 40°C to 150°C.

The results are provided in the enclosed data table.

Tai V. Nguyen
Analyst

James R. Baxter
Laboratory Director

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Data Table

Benzene

Client #	DCL #	Air sampling Volume, L	µg/sample	ppm
IHEH002	98-38880	84	ND	<0.0037
IHEH003	98-38881	83	ND	<0.0038
IHEH004	98-38882	83	ND	<0.0038
IHEH005	98-38883	83	ND	<0.0038
IHEH006	98-38884	-0-	ND	n/a
	Limit of detection		1.	

ND - Below the reported detection limit.
n/a Not Applicable.



Tai V. Nguyen
Analyst



James R. Baxter
Laboratory Director

CO-1

To: _____ From: _____ UIC: _____
 POC: _____ Phone: _____

INDUSTRIAL HYGIENE AIR SAMPLE SURVEY FORM

Date: 20 Sep 99

Survey #: 98-110 Element #: _____ UIC: _____
DC-01-99 ISC Bldg 15 FE
 Geographic Unit

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 Alameda Location Sub-Location Area

Sample Class: Air Sample

Stressor Summary	1	2	3	4	5
Computer Page					
Sample Coll. Type	GEN AREA	GEN AREA	GEN AREA	GEN AREA	BLANK
Name	N/A	NA			→
SSN/Badge #	N/A				→
Operation	Routine Shop ops				→
Code					→
Respirator	NA	NA	NA	NA	NA
Code					
PPE	NA				→
Code(s)					
Stressor	BENZENE				→
Sample #	98DPB301	98DPB302	98DPB303	98DPB304	98DPB305
Laboratory #	IHEH0002	IHEH0003	IHEH0004	IHEH0005	IHEH0006
Location/Mode	OFFICE	CLARK'S	As listed on back		→
Duration	429 min	427	424	424	N/A
Flow Rate	196 mlpm	195	196	195	N/A
Volume	84 l	83 l	83 l	83 l	N/A
Results/Units	2010037 NTD ppm	2010038 ppm	2010038 ppm	2010038 ppm	N/A

Exposure Summary

Result Type				
Results/Units				

Product Used: fuel

Similarly Exposed Employees: Yes No

Date Received: _____ Date Reported: _____

Analytical Method Used: ISO1 Limit of Detection: ~ 2010038 ppm

Analysis Performed By: Data Chem Date: 10/7/99

Sampling Data

Primary Type 1

Calibrator: Bios

Drycal

Mfg Model Type SN/Code

Calibrated By: HP

Calibration Date: Pre 20 Sep Post 20 Sep 98

	1	2	3	4	5
Pump Mfg	SKC	SKC	SKC	SKC	SKC N/A
Pump Model	210-1001	210-1001	210-1001	210-1001	N/A
Pump Type	Low Flow	Lowflow	Lowflow	Lowflow	N/A
Pump SN/Code	6984	6959	6973 6973	6966	Blank
Pre-Cal Flow Rate	197.1 ml/m	195.9 ml/m	198.0 ml/m	195.8 ml/m	N/A
Post-Cal Flow Rate	195.4 ml/m	194.8 ml/m	194.7 ml/m	193.8 ml/m	N/A
Lowest Flow Rate	196 ml/m	195 ml/m	196 ml/m	195 ml/m	N/A
Field Sample #	98DPB301	98DPB302		14 EH 0005	98DPB305
Media	INEN 0002 charcoal	INEN 0003 charcoal	INEN 0004 charcoal	INEN 0005 charcoal	INEN 0006 charcoal
Lot/Tube #	*2000 SKC	2000 SKC	2000 SKC	2000 SKC	2000 SKC
Expiration Date					
Time Off	1445	1446	1447	1448	N/A
Time On	0736	0739	0741	0744	N/A
Pump Check(s)					

Calculations:				Cal Ave., Pre				Post cal			
#6984	#6959	#6973	#6966	6984	6959	6973	6966	6984	6959	6973	6966
1445	1446	1447	1447	197.4	197.1	197.7	196.1	195.1	195.0	194.6	193.8
0736	0739	0741	0744	197.4	195.7	198.4	195.0	196.1	195.0	194.0	193.4
7.09	7.07	7.06	7.04	197.3	195.4	196.5	196.4	195.0	195.0	195.1	194.6
429m	427min	426min	424min	197.4	195.4	199.4	195.5	195.4	194.1	195.2	193.5
				197.1	195.9	198.0	195.8	195.4	194.8	194.7	193.8
				195.4	194.8	194.7	193.8				
				196.2	195.4	196.5	194.9				

Time Course of Events/Comments: #1 on 0736 placed in office NW corner Facilities Engineering, approx 5 ft above decks; #2 Supervisor's office Fac Eng, NE corner at computer monitor on desk, on 0739; #3 on 0741, on wall above bench approx 5 ft above deck SE corner; #4 on 0744 Eng MK shop space on file cabinet adjacent to work bench (SW corner of Fac Eng), approx 4 ft from floor; #4 purchased 0754 OK; pump checks #3, 2+1 OK @ 0756; pump checks #1, 2, 3, 4 OK @ 1005; pump checks #1, 2, 3, 4 OK

H. Porter, CDR Bleider, LT Wallers | IHT

*BY MY SIGNATURE, I VERIFY THAT I HAVE REVIEWED THIS FORM FOR COMPLETENESS AND ACCURACY AND THAT THE WORK DOCUMENTED HEREIN WAS CONDUCTED AND RECORDED IN ACCORDANCE WITH NAVY INSTRUCTIONS, FEDERAL REGULATIONS, AND/OR ACCEPTED INDUSTRIAL HYGIENE PROCEDURES