U.S. Department of Transportation
United States Coast Guard

Commander (keo)
Maintenance and Logistics
Command Atlantic

Building 400-K
Governors Island
NY 10004-5080
(212) 668-6448

6260

MAY 29 1992

From: Commander, Maintenance & Logistics Command Atlantic
To: Commanding Officer, Coast Guard Base St. Louis
Via: Commander, Second Coast Guard District (o)

Subj: BASE ST. LOUIS HEALTH RISK ASSESSMENT

Ref: (a) CCGDTWO St. Louis MO 141710Z APR 92

1. CAPT Adess of my environmental health staff collected air and drinking water samples at Base St. Louis on 28 April 1992. This was in response to a request for an environmental health risk assessment reference (a). Analyses of these samples do not indicate any significant contamination of either the air or water by organic chemicals, enclosures (1) and (2). Based on these sample results, there is no evidence that there is any health risk associated with the ambient air or drinking water.

2. If you have any questions concerning any aspect of this health risk assessment, my point of contact is CAPT Adess who can be reached at FTS (212) 668-6448.

W. B. LACKEY
By direction

Encl: (1) Air sampling analysis results
(2) Water sampling analysis results

Copy: COMDT (G-KSE)
COMDT (G-LCL)
CG MLCLANT (s)
CG MLCLANT (lg)
CG CEU Cleveland

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Roche Analytics Laboratory
a division of Roche Biomedical Laboratories, Inc.
P.O. BOX 25249
RICHMOND, VA. 23260

ANALYSIS REPORT

Analytics No. 122-531-0083
Account # 31709150-7
Date 05-MAY-92

CAPT. MICHAEL ADESS
U S COAST GUARD
MLCA-KEO BLDG 400
SECTION K RM 307
GOVERNORS ISLAND, NY 10004

Sample No. BSL1
Date Received 01-MAY-92
Sample Type Charcoal Tube
ORGANIC SOLVENT PROFILE

SAMPLE VOLUME (L) 46

ANALYTE	RESULTS (ug) Front	Back	Total	PPM
ACETONE	< 50	ND	< 50	< 0.5
BENZENE	< 20	ND	< 20	< 0.1
BUTYL ACETATE	< 50	ND	< 50	< 0.2
ETHYL ACETATE	< 50	ND	< 50	< 0.3
HEXANE	< 50	ND	< 50	< 0.3
METHYLENE CHLORIDE	< 50	ND	< 50	< 0.3
METHYL ETHYL KETONE	< 50	ND	< 50	< 0.4
METHYL ISOBUTYL KETONE	< 50	ND	< 50	< 0.3
TETRAHYDROFURAN	< 50	ND	< 50	< 0.4
TOLUENE	< 50	ND	< 50	< 0.3 *
1,1,1,-TRICHLOROETHANE	< 50	ND	< 50	< 0.2
TRICHLOROETHYLENE	< 50	ND	< 50	< 0.2
XYLENES	< 50	ND	< 50	< 0.3

* ANALYTE PRESENT BUT UNDER QUANTIFICATION LIMIT.

ENCLOSURE (1)

JAMES A. CALPIN, CIH
LABORATORY DIRECTOR

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RICHMOND, VA. 23260

ANALYSIS REPORT

Analytics No. 122-531-0083
Account # 31709150-7
Date 05-MAY-92

CAPT. MICHAEL ADESS
U S COAST GUARD
MLCA-KED BLDG 400
SECTION K RM 307
GOVERNORS ISLAND, NY 10004

Sample No. BSL2
Date Received 01-MAY-92
Sample Type Charcoal Tube
ORGANIC SOLVENT PROFILE

SAMPLE VOLUME (L) 39

ANALYTE	RESULTS (ug) Front	Back	Total	PPM
ACETONE	< 50	ND	< 50	< 0.5 *
BENZENE	< 20	ND	< 20	< 0.2
BUTYL ACETATE	< 50	ND	< 50	< 0.3
ETHYL ACETATE	< 50	ND	< 50	< 0.4
HEXANE	< 50	ND	< 50	< 0.4
METHYLENE CHLORIDE	< 50	ND	< 50	< 0.4
METHYL ETHYL KETONE	< 50	ND	< 50	< 0.4
METHYL ISOBUTYL KETONE	< 50	ND	< 50	< 0.3
TETRAHYDROFURAN	< 50	ND	< 50	< 0.4
TOLUENE	< 50	ND	< 50	< 0.3
1,1,1,-TRICHLOROETHANE	< 50	ND	< 50	< 0.2
TRICHLOROETHYLENE	< 50	ND	< 50	< 0.2
XYLENES	< 50	ND	< 50	< 0.3

* ANALYTE PRESENT BUT UNDER QUANTIFICATION LIMIT.

JAMES A. CALPIN, CIH
LABORATORY DIRECTOR
INDUSTRIAL HYGIENE

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RICHMOND, VA 23260

ANALYSIS REPORT

Analytics No. 122-531-0083
Account # 31709150-7
Date 05-MAY-92

CAPT. MICHAEL ADESS
U S COAST GUARD
MLCA-KEO BLDG 400
SECTION K RM 307
GOVERNORS ISLAND, NY 10004

Sample No. BSL3
Date Received 01-MAY-92
Sample Type Charcoal Tube
ORGANIC SOLVENT PROFILE

SAMPLE VOLUME (L) 46

ANALYTE	RESULTS (ug) Front	Back	Total	PPM
ACETONE	< 50	ND	< 50	< 0.5 *
BENZENE	< 20	ND	< 20	< 0.1
BUTYL ACETATE	< 50	ND	< 50	< 0.2
ETHYL ACETATE	< 50	ND	< 50	< 0.3
HEXANE	< 50	ND	< 50	< 0.3
METHYLENE CHLORIDE	< 50	ND	< 50	< 0.3
METHYL ETHYL KETONE	< 50	ND	< 50	< 0.4
METHYL ISOBUTYL KETONE	< 50	ND	< 50	< 0.3
TETRAHYDROFURAN	< 50	ND	< 50	< 0.4
TOLUENE	< 50	ND	< 50	< 0.3
1,1,1,-TRICHLOROETHANE	< 50	ND	< 50	< 0.2
TRICHLOROETHYLENE	< 50	ND	< 50	< 0.2
XYLENES	< 50	ND	< 50	< 0.3

* ANALYTE PRESENT BUT UNDER QUANTIFICATION LIMIT.

JAMES A. CALPIN, CIH
LABORATORY DIRECTOR
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RICHMOND, VA. 23260

ANALYSIS REPORT

Analytics No. 122-531-0083
Account # 31709150-7
Date 05-MAY-92

CAPT. MICHAEL ADESS
U S COAST GUARD
MLCA-KEO BLDG 400
SECTION K RM 307
GOVERNORS ISLAND, NY 10004

Sample No. BSL4
Date Received 01-MAY-92
Sample Type Charcoal Tube
ORGANIC SOLVENT PROFILE

SAMPLE VOLUME (L) 39

ANALYTE	RESULTS (ug) Front	Back	Total	PPM
ACETONE	< 50	ND	< 50	< 0.5 *
BENZENE	< 20	ND	< 20	< 0.2
BUTYL ACETATE	< 50	ND	< 50	< 0.3
ETHYL ACETATE	< 50	ND	< 50	< 0.4
HEXANE	< 50	ND	< 50	< 0.4
METHYLENE CHLORIDE	< 50	ND	< 50	< 0.4
METHYL ETHYL KETONE	< 50	ND	< 50	< 0.4
METHYL ISOBUTYL KETONE	< 50	ND	< 50	< 0.3
TETRAHYDROFURAN	< 50	ND	< 50	< 0.4
TOLUENE	< 50	ND	< 50	< 0.3
1,1,1,-TRICHLOROETHANE	< 50	ND	< 50	< 0.2
TRICHLOROETHYLENE	< 50	ND	< 50	< 0.2
XYLENES	< 50	ND	< 50	< 0.3

* ANALYTE PRESENT BUT UNDER QUANTIFICATION LIMIT.

JAMES A. CALPIN, CIH
LABORATORY DIRECTOR

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RICHMOND, VA. 23260

ANALYSIS REPORT

Analytics No. 122-531-0083
Account # 31709150-7
Date 05-MAY-92

CAPT. MICHAEL ADESS
U S COAST GUARD
MLCA-KEO BLDG 400
SECTION K RM 307
GOVERNORS ISLAND, NY 10004

Sample No. BSL5
Date Received 01-MAY-92
Sample Type Charcoal Tube
ORGANIC SOLVENT PROFILE

SAMPLE VOLUME (L) 53

ANALYTE	RESULTS (ug) Front	Back	Total	PPM
ACETONE	< 50	ND	< 50	< 0.4 *
BENZENE	< 20	ND	< 20	< 0.1
BUTYL ACETATE	< 50	ND	< 50	< 0.2
ETHYL ACETATE	< 50	ND	< 50	< 0.3
HEXANE	< 50	ND	< 50	< 0.3
METHYLENE CHLORIDE	< 50	ND	< 50	< 0.3
METHYL ETHYL KETONE	< 50	ND	< 50	< 0.3
METHYL ISOBUTYL KETONE	< 50	ND	< 50	< 0.2
TETRAHYDROFURAN	< 50	ND	< 50	< 0.3
TOLUENE	< 50	ND	< 50	< 0.3
1,1,1,-TRICHLOROETHANE	< 50	ND	< 50	< 0.2
TRICHLOROETHYLENE	< 50	ND	< 50	< 0.2 *
XYLENES	< 50	ND	< 50	< 0.2

* ANALYTE PRESENT BUT UNDER QUANTIFICATION LIMIT.

JAMES A. CALPIN, CIH
LABORATORY DIRECTOR
INDUSTRIAL HYGIENE

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ANALYSIS REPORT

Analytics No. 122-531-0083
Account # 31709150-7
Date 05-MAY-92

CAPT. MICHAEL ADESS
U S COAST GUARD
MLCA-KEO BLDG 400
SECTION K RM 307
GOVERNORS ISLAND, NY 10004

Sample No. BSL6
Date Received 01-MAY-92
Sample Type Charcoal Tube
ORGANIC SOLVENT PROFILE

SAMPLE VOLUME (L) 39

ANALYTE	RESULTS (ug) Front	Back	Total	PPM
ACETONE	< 50	ND	< 50	< 0.5 *
BENZENE	< 20	ND	< 20	< 0.2
BUTYL ACETATE	< 50	ND	< 50	< 0.3
ETHYL ACETATE	< 50	ND	< 50	< 0.4
HEXANE	< 50	ND	< 50	< 0.4
METHYLENE CHLORIDE	< 50	ND	< 50	< 0.4
METHYL ETHYL KETONE	< 50	ND	< 50	< 0.4
METHYL ISOBUTYL KETONE	< 50	ND	< 50	< 0.3
TETRAHYDROFURAN	< 50	ND	< 50	< 0.4
TOLUENE	< 50	ND	< 50	< 0.3
1,1,1,-TRICHLOROETHANE	< 50	ND	< 50	< 0.2
TRICHLOROETHYLENE	< 50	ND	< 50	< 0.2 *
XYLENES	< 50	ND	< 50	< 0.3

* ANALYTE PRESENT BUT UNDER QUANTIFICATION LIMIT.

JAMES A. CALPIN, CIH
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RICHMOND, VA. 23260

ANALYSIS REPORT

Analytics No. 122-531-0083
Account # 31709150-7
Date 05-MAY-92

CAPT. MICHAEL ADESS
U S COAST GUARD
MLCA-KEO BLDG 400
SECTION K RM 307
GOVERNORS ISLAND, NY 10004

Sample No. BSL7
Date Received 01-MAY-92
Sample Type Charcoal Tube
ORGANIC SOLVENT PROFILE

SAMPLE VOLUME (L) .44

ANALYTE	RESULTS (ug) Front	Back	Total	PPM
ACETONE	< 50	ND	< 50	< 0.5 *
BENZENE	< 20	ND	< 20	< 0.1
BUTYL ACETATE	< 50	ND	< 50	< 0.2
ETHYL ACETATE	< 50	ND	< 50	< 0.3
HEXANE	< 50	ND	< 50	< 0.3
METHYLENE CHLORIDE	< 50	ND	< 50	< 0.3
METHYL ETHYL KETONE	< 50	ND	< 50	< 0.4
METHYL ISOBUTYL KETONE	< 50	ND	< 50	< 0.3
TETRAHYDROFURAN	< 50	ND	< 50	< 0.4
TOLUENE	< 50	ND	< 50	< 0.3 *
1,1,1,-TRICHLOROETHANE	< 50	ND	< 50	< 0.2
TRICHLOROETHYLENE	< 50	ND	< 50	< 0.2
XYLENES	< 50	ND	< 50	< 0.3

* ANALYTE PRESENT BUT UNDER QUANTIFICATION LIMIT.

JAMES A. CALPIN, CIH
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ANALYSIS REPORT

Analytical No. 122-531-0083
Account # 31709150-7
Date 05-MAY-92

CAPT. MICHAEL ADESS
U S COAST GUARD
MLCA-KEO BLDG 400
SECTION K RM 307
GOVERNORS ISLAND, NY 10004

Sample No. BSL8
Date Received 01-MAY-92
Sample Type Charcoal Tube
ORGANIC SOLVENT PROFILE

SAMPLE VOLUME (L) 21

ANALYTE	RESULTS (ug) Front	Back	Total	PPM
ACETONE	< 50	ND	< 50	< 1.0 *
BENZENE	< 20	ND	< 20	< 0.3
BUTYL ACETATE	< 50	ND	< 50	< 0.5
ETHYL ACETATE	< 50	ND	< 50	< 0.7
HEXANE	< 50	ND	< 50	< 0.7
METHYLENE CHLORIDE	< 50	ND	< 50	< 0.7
METHYL ETHYL KETONE	< 50	ND	< 50	< 0.8
METHYL ISOBUTYL KETONE	< 50	ND	< 50	< 0.8
TETRAHYDROFURAN	< 50	ND	< 50	< 0.8
TOLUENE	< 50	ND	< 50	< 0.6
1,1,1,-TRICHLOROETHANE	< 50	ND	< 50	< 0.4
TRICHLOROETHYLENE	< 50	ND	< 50	< 0.4
XYLENES	< 50	ND	< 50	< 0.5

* ANALYTE PRESENT BUT UNDER QUANTIFICATION LIMIT.

JAMES A. CALPIN, CIH
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ANALYSIS REPORT

Analytics No. 122-531-0083
Account # 31709150-7
Date 05-MAY-92

CAPT. MICHAEL ADESS
U S COAST GUARD
MLCA-KEO BLDG 400
SECTION K RM 307
GOVERNORS ISLAND, NY 10004

Sample No. BSL9
Date Received 01-MAY-92
Sample Type Charcoal Tube
ORGANIC SOLVENT PROFILE

SAMPLE VOLUME (L) 21

ANALYTE	RESULTS (ug) Front	Back	Total	PPM
ACETONE	< 50	ND	< 50	< 1.0 *
BENZENE	< 20	ND	< 20	< 0.3
BUTYL ACETATE	< 50	ND	< 50	< 0.5
ETHYL ACETATE	< 50	ND	< 50	< 0.7 *
HEXANE	< 50	ND	< 50	< 0.7
METHYLENE CHLORIDE	< 50	ND	< 50	< 0.7
METHYL ETHYL KETONE	< 50	ND	< 50	< 0.8
METHYL ISOBUTYL KETONE	< 50	ND	< 50	< 0.6
TETRAHYDROFURAN	< 50	ND	< 50	< 0.8
TOLUENE	< 50	ND	< 50	< 0.6 *
1,1,1,-TRICHLOROETHANE	< 50	ND	< 50	< 0.4
TRICHLOROETHYLENE	< 50	ND	< 50	< 0.4
XYLENES	< 50	ND	< 50	< 0.5

* ANALYTE PRESENT BUT UNDER QUANTIFICATION LIMIT.

JAMES A. CALPIN, CIH
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RICHMOND, VA. 23260

ANALYSIS REPORT

Analytics No. 122-531-0083
Account # 31709150-7
Date 05-MAY-92

CAPT. MICHAEL ADESS
U S COAST GUARD
MLCA-KEO BLDG 400
SECTION K RM 307
GOVERNORS ISLAND, NY 10004

Sample No. BSL10
Date Received 01-MAY-92
Sample Type Charcoal Tube
ORGANIC SOLVENT PROFILE

PAGE 10 OF 12

SAMPLE VOLUME (L) 37

ANALYTE	RESULTS (ug) Front	Back	Total	PPM
ACETONE	< 50	ND	< 50	< 0.6
BENZENE	< 20	ND	< 20	< 0.2
BUTYL ACETATE	< 50	ND	< 50	< 0.3
ETHYL ACETATE	< 50	ND	< 50	< 0.4
HEXANE	< 50	ND	< 50	< 0.4
METHYLENE CHLORIDE	< 50	ND	< 50	< 0.4
METHYL ETHYL KETONE	< 50	ND	< 50	< 0.5
METHYL ISOBUTYL KETONE	< 50	ND	< 50	< 0.3
TETRAHYDROFURAN	< 50	ND	< 50	< 0.5
TOLUENE	< 50	ND	< 50	< 0.4
1,1,1,-TRICHLOROETHANE	< 50	ND	< 50	< 0.2
TRICHLOROETHYLENE	< 50	ND	< 50	< 0.3
XYLENES	< 50	ND	< 50	< 0.3

JAMES A. CALPIN, CIH
LABORATORY DIRECTOR
INDUSTRIAL HYGIENE

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P.O. BOX 25249
RICHMOND, VA. 23260

ANALYSIS REPORT

Analytics No. 122-531-0083
Account # 31709150-7
Date 05-MAY-92

CAPT. MICHAEL ADESS
U S COAST GUARD
MLCA-KEO BLDG 400
SECTION K RM 307
GOVERNORS ISLAND, NY 10004

Sample No. CONTROL 1
Date Received 01-MAY-92
Sample Type Charcoal Tube
ORGANIC SOLVENT PROFILE

SAMPLE VOLUME (L) BLANK

ANALYTE	RESULTS (ug) Front	Back	Total	PPM
ACETONE	< 50	ND	< 50	---
BENZENE	< 20	ND	< 20	---
BUTYL ACETATE	< 50	ND	< 50	---
ETHYL ACETATE	< 50	ND	< 50	---
HEXANE	< 50	ND	< 50	---
METHYLENE CHLORIDE	< 50	ND	< 50	---
METHYL ETHYL KETONE	< 50	ND	< 50	---
METHYL ISOBUTYL KETONE	< 50	ND	< 50	---
TETRAHYDROFURAN	< 50	ND	< 50	---
TOLUENE	< 50	ND	< 50	---
1,1,1,-TRICHLOROETHANE	< 50	ND	< 50	---
TRICHLOROETHYLENE	< 50	ND	< 50	---
XYLENES	< 50	ND	< 50	---

JAMES A. CALPIN, CIH
LABORATORY DIRECTOR

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RICHMOND, VA. 23260

ANALYSIS REPORT

Analytics No. 122-531-0083
Account # 31709150-7
Date 05-MAY-92

CAPT. MICHAEL ADESS
U S COAST GUARD
MLCA-KEO BLDG 400
SECTION K RM 307
GOVERNORS ISLAND, NY 10004

Sample No. CONTROL 2
Date Received 01-MAY-92
Sample Type Charcoal Tube
ORGANIC SOLVENT PROFILE

SAMPLE VOLUME (L) BLANK

ANALYTE	RESULTS (ug) Front	Back	Total	PPM
ACETONE	< 50	ND	< 50	---
BENZENE	< 20	ND	< 20	---
BUTYL ACETATE	< 50	ND	< 50	---
ETHYL ACETATE	< 50	ND	< 50	---
HEXANE	< 50	ND	< 50	---
METHYLENE CHLORIDE	< 50	ND	< 50	---
METHYL ETHYL KETONE	< 50	ND	< 50	---
METHYL ISOBUTYL KETONE	< 50	ND	< 50	---
TETRAHYDROFURAN	< 50	ND	< 50	---
TOLUENE	< 50	ND	< 50	---
1,1,1,-TRICHLOROETHANE	< 50	ND	< 50	---
TRICHLOROETHYLENE	< 50	ND	< 50	---
XYLENES	< 50	ND	< 50	---

JAMES A. CALPIN, CIH
LABORATORY DIRECTOR

SSM /Laboratories

ANALYTICAL REPORT

Client: U.S. Coast Guard CO 389124116A033

Report to: Captain Adess
U.S. Coast Guard MLCLANT (keo)
Bldg. 400
Section J
Room 309
Governors Island NY 10004-5080

Project: 112616
Received: 29-APR-92
Reported: 18-MAY-92

PURCHASE ORDER: DTCG84-92-A-360007

Project Description: Base St. Louis Water Sample - VOC Analysis

Sampled: 28-APR-92 07:30 By: Capt. Adess

	RESULT	UNITS	METHOD
Galley			
SSM Sample: 1048808			
NPDES POLLUTANT GROUP C-1			
Volatile Organics			
Acrolein	< 5	ug/l	
Acrylonitrile	< 5	ug/l	
PURGEABLE HYDROCARBONS BY GC/MS			624
Benzene	< 5	ug/l	
Bromoform	< 5	ug/l	
Carbon tetrachloride	< 5	ug/l	
Chlorobenzene	< 5	ug/l	
Dibromochloromethane	< 5	ug/l	
Chloroethane	< 10	ug/l	
2-Chloroethylvinyl ether	< 10	ug/l	
Chloroform	17	ug/l	
Bromodichloromethane	< 5	ug/l	
1,1-Dichloroethane	< 5	ug/l	
1,2-Dichloroethane	< 5	ug/l	
1,1-Dichloroethene	< 5	ug/l	
1,2-Dichloropropane	< 5	ug/l	
1,3-Dichloropropene (total)	< 5	ug/l	
Ethylbenzene	< 5	ug/l	
Bromomethane	< 10	ug/l	
Chloromethane	< 5	ug/l	
Methylene chloride	< 5	ug/l	
1,1,2,2-Tetrachloroethane	< 5	ug/l	
Tetrachloroethene	< 5	ug/l	
Toluene	< 5	ug/l	
1,2-Dichloroethene (total)	< 5	ug/l	
1,1,1-Trichloroethane	< 5	ug/l	

ENCLOSURE (2)

SSM /Laboratories

Client: U.S. Coast Guard CO 389124116A033
Project: 112616

	RESULT	UNITS	METHOD
Galley			
SSM Sample: 1048808 - continued			
1,1,2-Trichloroethane	< 5	ug/l	
Trichloroethene	< 5	ug/l	
Vinyl chloride	< 10	ug/l	
Head			
SSM Sample: 1048809			
NPDES POLLUTANT GROUP C-1			
Volatile Organics			
Acrolein	< 5	ug/l	
Acrylonitrile	< 5	ug/l	
PURGEABLE HYDROCARBONS BY GC/MS			624
Benzene	< 5	ug/l	
Bromoform	< 5	ug/l	
Carbon tetrachloride	< 5	ug/l	
Chlorobenzene	< 5	ug/l	
Dibromochloromethane	< 5	ug/l	
Chloroethane	< 10	ug/l	
2-Chloroethylvinyl ether	< 10	ug/l	
Chloroform	19	ug/l	
Bromodichloromethane	< 5	ug/l	
1,1-Dichloroethane	< 5	ug/l	
1,2-Dichloroethane	< 5	ug/l	
1,1-Dichloroethene	< 5	ug/l	
1,2-Dichloropropane	< 5	ug/l	
1,3-Dichloropropene (total)	< 5	ug/l	
Ethylbenzene	< 5	ug/l	
Bromomethane	< 10	ug/l	
Chloromethane	< 5	ug/l	
Methylene chloride	< 5	ug/l	
1,1,2,2-Tetrachloroethane	< 5	ug/l	
Tetrachloroethene	< 5	ug/l	
Toluene	< 5	ug/l	
1,2-Dichloroethene (total)	< 5	ug/l	
1,1,1-Trichloroethane	< 5	ug/l	
1,1,2-Trichloroethane	< 5	ug/l	
Trichloroethene	< 5	ug/l	
Vinyl chloride	< 10	ug/l	
EM			
SSM Sample: 1048810			
NPDES POLLUTANT GROUP C-1			
Volatile Organics			
Acrolein	< 5	ug/l	

SSM /Laboratories

Client: U.S. Coast Guard CO 389124116A033
Project: 112616

	RESULT	UNITS	METHOD
EM			
SSM Sample: 1048810 continued			
Acrylonitrile	< 5	ug/l	624
PURGEABLE HYDROCARBONS BY GC/MS			
Benzene	< 5	ug/l	
Bromoform	< 5	ug/l	
Carbon tetrachloride	< 5	ug/l	
Chlorobenzene	< 5	ug/l	
Dibromochloromethane	< 5	ug/l	
Chloroethane	< 10	ug/l	
2-Chloroethylvinyl ether	< 10	ug/l	
Chloroform	15	ug/l	
Bromodichloromethane	< 5	ug/l	
1,1-Dichloroethane	< 5	ug/l	
1,2-Dichloroethane	< 5	ug/l	
1,1-Dichloroethene	< 5	ug/l	
1,2-Dichloropropane	< 5	ug/l	
1,3-Dichloropropene (total)	< 5	ug/l	
Ethylbenzene	< 5	ug/l	
Bromomethane	< 10	ug/l	
Chloromethane	< 5	ug/l	
Methylene chloride	< 5	ug/l	
1,1,2,2-Tetrachloroethane	< 5	ug/l	
Tetrachloroethene	< 5	ug/l	
Toluene	< 5	ug/l	
1,2-Dichloroethene (total)	< 5	ug/l	
1,1,1-Trichloroethane	< 5	ug/l	
1,1,2-Trichloroethane	< 5	ug/l	
Trichloroethene	< 5	ug/l	
Vinyl chloride	< 10	ug/l	
Office			
SSM Sample: 1048811			
NPDES POLLUTANT GROUP C-1			
Volatile Organics			
Acrolein	< 5	ug/l	
Acrylonitrile	< 5	ug/l	624
PURGEABLE HYDROCARBONS BY GC/MS			
Benzene	< 5	ug/l	
Bromoform	< 5	ug/l	
Carbon tetrachloride	< 5	ug/l	
Chlorobenzene	< 5	ug/l	
Dibromochloromethane	< 5	ug/l	
Chloroethane	< 10	ug/l	
2-Chloroethylvinyl ether	< 10	ug/l	
Chloroform	19	ug/l	
Bromodichloromethane	< 5	ug/l	

SSM /Laboratories

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Project: 112616

	RESULT	UNITS	METHOD
Office			
SSM Sample: 1048811 - continued			
1,1-Dichloroethane	< 5	ug/l	
1,2-Dichloroethane	< 5	ug/l	
1,1-Dichloroethene	< 5	ug/l	
1,2-Dichloropropane	< 5	ug/l	
1,3-Dichloropropene (total)	< 5	ug/l	
Ethylbenzene	< 5	ug/l	
Bromomethane	< 10	ug/l	
Chloromethane	< 5	ug/l	
Methylene chloride	< 5	ug/l	
1,1,2,2-Tetrachloroethane	< 5	ug/l	
Tetrachloroethene	< 5	ug/l	
Toluene	< 5	ug/l	
1,2-Dichloroethene (total)	< 5	ug/l	
1,1,1-Trichloroethane	< 5	ug/l	
1,1,2-Trichloroethane	< 5	ug/l	
Trichloroethene	< 5	ug/l	
Vinyl chloride	< 10	ug/l	
Galley 2			
SSM Sample: 1048812			
NPDES POLLUTANT GROUP C-1			
Volatile Organics			
Acrolein	< 5	ug/l	
Acrylonitrile	< 5	ug/l	
PURGEABLE HYDROCARBONS BY GC/MS			624
Benzene	< 5	ug/l	
Bromoform	< 5	ug/l	
Carbon tetrachloride	< 5	ug/l	
Chlorobenzene	< 5	ug/l	
Dibromochloromethane	< 5	ug/l	
Chloroethane	< 10	ug/l	
2-Chloroethylvinyl ether	< 10	ug/l	
Chloroform	18	ug/l	
Bromodichloromethane	< 5	ug/l	
1,1-Dichloroethane	< 5	ug/l	
1,2-Dichloroethane	< 5	ug/l	
1,1-Dichloroethene	< 5	ug/l	
1,2-Dichloropropane	< 5	ug/l	
1,3-Dichloropropene (total)	< 5	ug/l	
Ethylbenzene	< 5	ug/l	
Bromomethane	< 10	ug/l	
Chloromethane	< 5	ug/l	
Methylene chloride	< 5	ug/l	
1,1,2,2-Tetrachloroethane	< 5	ug/l	
Tetrachloroethene	< 5	ug/l	

SSM /Laboratories

Client: U.S. Coast Guard CO 389124116A033
Project: 112616

	RESULT	UNITS	METHOD
Galley 2			
SSM Sample: 1048812 - continued			
Toluene	< 5	ug/l	
1,2-Dichloroethene (total)	< 5	ug/l	
1,1,1-Trichloroethane	< 5	ug/l	
1,1,2-Trichloroethane	< 5	ug/l	
Trichloroethene	< 5	ug/l	
Vinyl chloride	< 10	ug/l	
Head 2			
SSM Sample: 1048813			
NPDES POLLUTANT GROUP C-1			
Volatile Organics			
Acrolein	< 5	ug/l	
Acrylonitrile	< 5	ug/l	
PURGEABLE HYDROCARBONS BY GC/MS			624
Benzene	< 5	ug/l	
Bromoform	< 5	ug/l	
Carbon tetrachloride	< 5	ug/l	
Chlorobenzene	< 5	ug/l	
Dibromochloromethane	< 5	ug/l	
Chloroethane	< 10	ug/l	
2-Chloroethylvinyl ether	< 10	ug/l	
Chloroform	18	ug/l	
Bromodichloromethane	< 5	ug/l	
1,1-Dichloroethane	< 5	ug/l	
1,2-Dichloroethane	< 5	ug/l	
1,1-Dichloroethene	< 5	ug/l	
1,2-Dichloropropane	< 5	ug/l	
1,3-Dichloropropene (total)	< 5	ug/l	
Ethylbenzene	< 5	ug/l	
Bromomethane	< 10	ug/l	
Chloromethane	< 5	ug/l	
Methylene chloride	< 5	ug/l	
1,1,2,2-Tetrachloroethane	< 5	ug/l	
Tetrachloroethene	< 5	ug/l	
Toluene	< 5	ug/l	
1,2-Dichloroethene (total)	< 5	ug/l	
1,1,1-Trichloroethane	< 5	ug/l	
1,1,2-Trichloroethane	< 5	ug/l	
Trichloroethene	< 5	ug/l	
Vinyl chloride	< 10	ug/l	

SSM /Laboratories

Client: U.S. Coast Guard CO 389124116A033
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	RESULT	UNITS	METHOD
EM 2			
SSM Sample: 1048814			
NPDES POLLUTANT GROUP C-1			
Volatile Organics			
Acrolein	< 5	ug/l	
Acrylonitrile	< 5	ug/l	
PURGEABLE HYDROCARBONS BY GC/MS			624
Benzene	< 5	ug/l	
Bromoform	< 5	ug/l	
Carbon tetrachloride	< 5	ug/l	
Chlorobenzene	< 5	ug/l	
Dibromochloromethane	< 5	ug/l	
Chloroethane	< 10	ug/l	
2-Chloroethylvinyl ether	< 10	ug/l	
Chloroform	16	ug/l	
Bromodichloromethane	< 5	ug/l	
1,1-Dichloroethane	< 5	ug/l	
1,2-Dichloroethane	< 5	ug/l	
1,1-Dichloroethene	< 5	ug/l	
1,2-Dichloropropane	< 5	ug/l	
1,3-Dichloropropene (total)	< 5	ug/l	
Ethylbenzene	< 5	ug/l	
Bromomethane	< 10	ug/l	
Chloromethane	< 5	ug/l	
Methylene chloride	< 5	ug/l	
1,1,2,2-Tetrachloroethane	< 5	ug/l	
Tetrachloroethene	< 5	ug/l	
Toluene	< 5	ug/l	
1,2-Dichloroethene (total)	< 5	ug/l	
1,1,1-Trichloroethane	< 5	ug/l	
1,1,2-Trichloroethane	< 5	ug/l	
Trichloroethene	< 5	ug/l	
Vinyl chloride	< 10	ug/l	
Office 2			
SSM Sample: 1048815			
NPDES POLLUTANT GROUP C-1			
Volatile Organics			
Acrolein	< 5	ug/l	
Acrylonitrile	< 5	ug/l	
PURGEABLE HYDROCARBONS BY GC/MS			624
Benzene	< 5	ug/l	
Bromoform	< 5	ug/l	
Carbon tetrachloride	< 5	ug/l	
Chlorobenzene	< 5	ug/l	
Dibromochloromethane	< 5	ug/l	
Chloroethane	< 10	ug/l	

SSM /Laboratories

Client: U.S. Coast Guard CO 389124116A033
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	RESULT	UNITS	METHOD
Office 2			
SSM Sample: 1048815 - continued			
2-Chloroethylvinyl ether	< 10	ug/l	
Chloroform	20	ug/l	
Bromodichloromethane	< 5	ug/l	
1,1-Dichloroethane	< 5	ug/l	
1,2-Dichloroethane	< 5	ug/l	
1,1-Dichloroethene	< 5	ug/l	
1,2-Dichloropropane	< 5	ug/l	
1,3-Dichloropropene (total)	< 5	ug/l	
Ethylbenzene	< 5	ug/l	
Bromomethane	< 10	ug/l	
Chloromethane	< 5	ug/l	
Methylene chloride	< 5	ug/l	
1,1,2,2-Tetrachloroethane	< 5	ug/l	
Tetrachloroethene	< 5	ug/l	
Toluene	< 5	ug/l	
1,2-Dichloroethene (total)	< 5	ug/l	
1,1,1-Trichloroethane	< 5	ug/l	
1,1,2-Trichloroethane	< 5	ug/l	
Trichloroethene	< 5	ug/l	
Vinyl chloride	< 10	ug/l	

< indicates less than the limit of quantitation.

Acrolein and Acrylonitrile analysis was subcontracted to a PA DER certified laboratory.

Respectfully submitted,

Cinamon B. Deitrich

Cinamon B. Deitrich,
Organics Supervisor

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