N62661 AR 001444
NAVSTA NEWPORT RI
5090 3a

FINAL CONSTRUCTION COMPLETION REPORT
FOR
FUEL LINE CLOSURE
NAVAL STATION NEWPORT
MIDDLETOWN, RHODE ISLAND

Issued:

June 27, 2001

Prepared for:

DEPARTMENT OF THE NAVY
ENGINEERING FIELD ACTIVITY, NORTHEAST
NAVAL FACILITIES ENGINEERING COMMAND
10 Industrial Highway, Mail Stop #82
Lester, PA 19113-2090

Contract No. N62472-94-D-0398
Delivery Order No. 0065

Prepared by:

FOSTER WHEELER ENVIRONMENTAL CORPORATION
2300 Lincoln Highway East
One Oxford Valley, Suite 200
Langhorne, Pennsylvania 19047-1829

Revision	Date	Prepared By	Approved By	Pages Affected
0	April 10, 2001	J. Holden	C. Tippmann, P.E.	All
1	June 27, 2001	T. Kelly	C. Tippmann, P.E.	All

APPENDIX F

PRESSURE TEST RESULTS

FINAL CONSTRUCTION COMPLETION REPORT
REMEDIAL ACTION CONTRACT N62472-94-D-0398
DELIVERY ORDER NO. 0065
FUEL LINE CLOSURE
NAVAL STATION NEWPORT
MIDDLETOWN, RHODE ISLAND

Table 4-1

Pressure Test Results

From Location	To Location	Start Date	Start Time (24 HR)	Initial Reading (PSI)	Finish Date	Finish Time (24 HR)	Final Reading (PSI)	Comments
BLD 58	C-33	8/28/00	0700	25	8/29/00	0700	24	
C-18	AE-6	8/29/00	1730	25	8/30/00	1730	25	
AE-6	A-10	8/30/00	1400	25	8/31/00	1400	25	
A-10	E-16	9/18/00	0800	25	9/19/00	0845	25	
E-16	E-22	9/18/00	1500	25	9/19/00	1530	25	
E-22	A-16	9/25/00	1400	25	9/26/00	1400	24	
A-16	A-19	9/21/00	1030	25	9/22/00	1200	22	Note : From 9/21-9/22 loss of 3 PSI in 1 day from 25 PSI to 22 PSI
A-16	A-19	9/22/00	1200	22	9/25/00	0900	22	Pressure held at 22 PSI from 9/22 to 9/25
A-19	CT-53/V1	9/25/00	1430	25	9/26/00	1430	25	
CT-53/V1	V-2	10/18/00	1000	25	10/19/00	1000	25	
V-2	V-3	10/19/00	1430	25	10/20/00	1430	25	
V-3	Bld-73	10/30/00	1300	25	10/31/00	1300	24.5	
Bld 73	P1 (8")	11/10/00	1230	25	11/11/00	1530	25	
Bld 73	P1 (18")	11/10/00	1300	25	11/11/00	1530	25	
Bld 73	P2 (10")	11/14/00	0900	23	11/15/00	0900	21	Vacuum test
Bld 73	P2 (12")	11/14/00	0900	23	11/15/00	0900	17	Vacuum test

Vacuum tests were conducted on the two lines located under Pier 2 to minimize the potential release to the environment (See Section 4.3.3 of the report)

PRESSURE TEST DATA SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 8/28/00 / 8-29-00

Location : Newport, RI — Recorded by: David Hart

Client : U. S. Navy - Northern Division

From Chamber Location : BID # 58

To Chamber Location : C-33

Size of Pipeline : 16 inch

Initial Pressure Reading PreSoap Test: 25 (PSI)

Pressure Reading PostSoap Test: 25 (PSI)

Leaks Noted and Corrective Actions Taken :

Test Information (Readings to be taken every 0.5 hrs for initial 2 hrs; Test to last 24 hrs)

Start Date : 7:00 AM 25 PSI — End Date :

Start Time : — End Time :

Elapsed Time (hrs)	Pressure Reading (PSI)	Comments during test
8:00 AM 0	25 psi	NONE
8:30 0.5	25	↓
9:00 1	25	
9:30 1.5	25	↓
10:00 AM 2	24 1/2	NONE
7:00 AM 24 8/29	24	NONE

Additional Comments : WALK PIPE LINE FROM BID # 58 TO CHAMBER C-33

7:00 AM + 7:30 AM + 8:00 AM + 8:30 AM

STARTED PRESSURE TEST 7:00 AM

START 25 PSI AT 8:00 AM STILL 25 PSI

START LOG AT 8:00 AM

Personnel Conducting Test : David Hart

PRESSURE TEST DATA SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 8/30/00
Recorded by: DAVE HART

From Chamber Location : C-18
To Chamber Location : AE-6
Size of Pipeline : 16 INCH.

Initial Pressure Reading PreSoap Test: 25 (PSI)
Pressure Reading PostSoap Test: 25 (PSI)

Leaks Noted and Corrective Actions Taken : N/A.

Test Information (Readings to be taken every 0.5 hrs for initial 2 hrs; Test to last 24 hrs)

Start Date : 8/29/00
Start Time : 5:30 pm
End Date : 8/30/00
End Time : 5:30PM

Elapsed Time (hrs)	Pressure Reading (PSI)	Comments during test
5:30pm 0 8/29/00	25 PSI	
6:00 0.5	25	
6:30 1	25	
7:00 1.5	25	
7:30pm 2	25	
5:30 pm 24 8/30/00	25	

Additional Comments : NO DROP IN PRESSURE FOR OVER 24 Hrs

Personnel Conducting Test : David Hart
JEFF Bouchard

PRESSURE TEST DATA SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 8/30/00

Location : Newport, RI — Recorded by: Dave Hart

Client : U. S. Navy - Northern Division

From Chamber Location : AE-6

To Chamber Location : A-10

Size of Pipeline : 16 INCH

Initial Pressure Reading PreSoap Test: 25 (PSI)

Pressure Reading PostSoap Test: 25 (PSI)

Leaks Noted and Corrective Actions Taken : N/A.

Test Information (Readings to be taken every 0.5 hrs for initial 2 hrs; Test to last 24 hrs)

Start Date : 8/30/00 — End Date : 8/31/00

Start Time : 2.00 pm — End Time : 2:00pm

Elapsed Time (hrs)		Pressure Reading (PSI)	Comments during test
2:00pm	0	25 psi	Pipe line Held
2:30	0.5	25	25 psi for
3:00	1	25	24 Hours
3:30	1.5	25	
4:00	2	25	
2:15pm	24	25	

Additional Comments :

NONE

Personnel Conducting Test : Dave Hart

PRESSURE TEST DATA SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 9/18/00
Recorded by: DAVE HART

From Chamber Location : A-10
To Chamber Location : E-16
Size of Pipeline : 16 INCH

Initial Pressure Reading PreSoap Test: 25 PSI (PSI)
Pressure Reading PostSoap Test: 25 PSI (PSI)

Leaks Noted and Corrective Actions Taken :

STARTED PRESSURE TEST ON 9/5
NOTED LEAK AT 6IN VALVE FIXED
STARTED 2ND TEST ON 9/18 8:00 AM

Test Information (Readings to be taken every 0.5 hrs for initial 2 hrs; Test to last 24 hrs)

Start Date : 9/18/00
Start Time : 8:00 AM
End Date : 9/19/00
End Time :

Elapsed Time (hrs)			Pressure Reading (PSI)	Comments during test
8:00 AM	0	9/18	25	NONE
8:30	0.5		25	PIPE HELD
9:00	1		25	25 PSI FOR
9:30	1.5		25	24 HOURS
10:00	2	↓	25	
8:45	24	9/19	25	

Additional Comments :

Personnel Conducting Test : DAVE HART
NATHAYA JOHNSON.
RUSS MICHALES

PRESSURE TEST DATA SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 9/19/00
Recorded by: DAVE HART

From Chamber Location : E-16
To Chamber Location : A-22
Size of Pipeline : 16 INCH

Initial Pressure Reading PreSoap Test: 25 (PSI)
Pressure Reading PostSoap Test: 25 (PSI)

Leaks Noted and Corrective Actions Taken :

Test Information (Readings to be taken every 0.5 hrs for initial 2 hrs; Test to last 24 hrs)

Start Date : 9/18/00
Start Time : 3:00 pm
End Date : 9/19/00
End Time :

Elapsed Time (hrs)	Pressure Reading (PSI)	Comments during test
3:00pm 0 9/18/00	25 PSI	— NONE —
3:30pm 0.5	25 PSI	PIPE LINE HELD
4:00pm 1	25 PSI	25 PSI
4:30pm 1.5	25 PSI	FOR 24 HOURS
5:00pm 2	25 PSI	
3:30pm 24 9/19/00	25 PSI	

Additional Comments :

Personnel Conducting Test : RUSS MICHALES
JEFF BOWDITCH
DAVE HART

PRESSURE TEST DATA SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 9/25/00
Recorded by: [illegible]

From Chamber Location : E-22
To Chamber Location : A-16
Size of Pipeline : 16 inch

Initial Pressure Reading PreSoap Test: 25 (PSI)
Pressure Reading PostSoap Test: 24 (PSI)

Leaks Noted and Corrective Actions Taken :

Test Information (Readings to be taken every 0.5 hrs for initial 2 hrs; Test to last 24 hrs)

Start Date : 9/25/00
Start Time : 2:00pm

End Date : 9/26/00
End Time : 2:00 p.m.

Elapsed Time (hrs)			Pressure Reading (PSI)	Comments during test
2:00	0	9/25	25 psi	
2:30	0.5		25 PSI	
3:00	1		25 PSI	
3:30	1.5		25 PSI	
4:00	2	↓	25 PSI	
2:00	24	9/26	24 PSI	

Additional Comments :

Personnel Conducting Test : Dave Hart
Jeff Bowditch
Russ Michales
Nathaniel Johnson

PRESSURE TEST DATA SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 9/21/00

Location : Newport, RI — Recorded by: DAVE HART

Client : U. S. Navy - Northern Division

From Chamber Location : A-19

To Chamber Location : A-16

Size of Pipeline : 16 INCH

Initial Pressure Reading PreSoap Test: 25 PSI (PSI)

Pressure Reading PostSoap Test: 22 PSI (PSI)

Leaks Noted and Corrective Actions Taken :

Test Information (Readings to be taken every 0.5 hrs for initial 2 hrs; Test to last 24 hrs)

Start Date : 9/21/00 — End Date : 9/22/00

Start Time : 10:30 AM — End Time : 12:00 NOON

Elapsed Time (hrs)	Pressure Reading (PSI)	Comments during test
10:30 AM 0 9/21	25 PSI	
11:00 AM 0.5	25 PSI	
11:30 AM 1	25 PSI	
12:00 1.5	25 PSI	
12:30 2	25 PSI	
12:00 NOON 24 9/22	22 PSI	9/22 TO 9/25 PRESSURE HELD AT 22 PSI

Additional Comments :

9/21/00 10:30 AM 25 PSI.

9/25/00 9:00 AM 22 PSI.

NO LEAKS FOUND — @ LOSS OF 3 PSI IN 4 DAYS possibly DUE TO Temp.

Personnel Conducting Test : DAVE HART

JEFF BOWDITCH

RUSS MICHALES

NATHANIA JOHNSON

PRESSURE TEST DATA SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 9/25/00
Recorded by: [signature]

From Chamber Location : A-19
To Chamber Location : ~~[illegible]~~ CT-53
Size of Pipeline : 16 inch

Initial Pressure Reading PreSoap Test: 25 (PSI)
Pressure Reading PostSoap Test: 25 (PSI)

Leaks Noted and Corrective Actions Taken :

Test Information (Readings to be taken every 0.5 hrs for initial 2 hrs; Test to last 24 hrs)

Start Date : 9/25/00
Start Time : 2:30
End Date : 9/26/00
End Time : 3:00 am

Elapsed Time (hrs)	Pressure Reading (PSI)	Comments during test
2:30 0 9/25	25 PSI	NONE
3:00 0.5	25 PSI	
3:30 1	25 PSI	
4:00 1.5	25 PSI	
4:30 2	25 PSI	
2:30 24 9/26	25 PSI	

Additional Comments :

Personnel Conducting Test : Russ Michales
Jeff Bowditch
Nathaya Johnson
[signature]

PRESSURE TEST DATA SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 18 October 2000

Location : Newport, RI — Recorded by: Dave Hart

Client : U. S. Navy - Northern Division

From Chamber Location : Vault V1 @ Tank Farm #5

To Chamber Location : Vault V2 located diagonally from McAllister Point

Size of Pipeline : 24"

Initial Pressure Reading PreSoap Test: 25 (PSI)

Pressure Reading PostSoap Test: 25 (PSI)

Leaks Noted and Corrective Actions Taken : NONE

Test Information (Readings to be taken every 0.5 hrs for initial 2 hrs; Test to last 24 hrs)

Start Date : 10/18/00 — End Date : 10/19/00

Start Time : 10:00 AM — End Time :

Elapsed Time (hrs)			Pressure Reading (PSI)	Comments during test
10:00 AM	0	10/18	25 PSI	NONE
10:30	0.5		25 PSI	
11:00	1		25 PSI	
11:30	1.5		25 PSI	
12:00	2	↓	25 PSI	
10:00	24	10/19	25 PSI	

Additional Comments :

Personnel Conducting Test : Dave Hart
JEFF Bradstreet

PRESSURE TEST DATA SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 10/19/00

Location : Newport, RI — Recorded by: DAVE HART

Client : U. S. Navy - Northern Division

From Chamber Location : V-2

To Chamber Location : V-3

Size of Pipeline : 24 INCH

Initial Pressure Reading PreSoap Test: 25 (PSI)

Pressure Reading PostSoap Test: 25 (PSI)

Leaks Noted and Corrective Actions Taken : NONE

Test Information (Readings to be taken every 0.5 hrs for initial 2 hrs; Test to last 24 hrs)

Start Date : 10/19/00 — End Date : 10/20/00

Start Time : 2:30 — End Time : 2:30

Elapsed Time (hrs)			Pressure Reading (PSI)	Comments during test
2:30	0	10/19	25 PSI	
3:00	0.5		25 PSI	
3:30	1		25 PSI	NONE
4:00	1.5		25 PSI	
4:30	2	↓	25 PSI	
2:30	24	10/20	25 PSI	

Additional Comments :

Personnel Conducting Test : Dave Hart

JEFF Bowditch

PRESSURE TEST DATA SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 10/30/00

Location : Newport, RI — Recorded by: David Hart

Client : U. S. Navy - Northern Division

From Chamber Location : C V-3

To Chamber Location : BD #73

Size of Pipeline : 8¼ inch

Initial Pressure Reading PreSoap Test: 25 PSI (PSI)

Pressure Reading PostSoap Test: 25 PSI (PSI)

Leaks Noted and Corrective Actions Taken : NONE

Test Information (Readings to be taken every 0.5 hrs for initial 2 hrs; Test to last 24 hrs)

Start Date : 10/30/00 — End Date : 10/31/00

Start Time : 1:00 pm — End Time : 1:00 pm

Elapsed Time (hrs)			Pressure Reading (PSI)	Comments during test
1:00	0	10/30/00	25 PSI	NONE
1:30	0.5		25 PSI	
2:00	1		25 PSI	
2:30	1.5		25 PSI	
3:00	2	↓	25 PSI	
1:00 pm	24	10/31/00	24.5 PSI	

Additional Comments :

Personnel Conducting Test : David Hart

PRESSURE TEST DATA SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 11/10/00
Recorded by: Dave Hart

From Chamber Location : BID #73
To Chamber Location : P-2
Size of Pipeline : 8 INCH

Initial Pressure Reading PreSoap Test: 25 (PSI)
Pressure Reading PostSoap Test: 25 (PSI)

Leaks Noted and Corrective Actions Taken : NONE

Test Information (Readings to be taken every 0.5 hrs for initial 2 hrs; Test to last 24 hrs)

Start Date :
Start Time :
End Date :
End Time :

Elapsed Time (hrs)		Pressure Reading (PSI)	Comments during test
12:30	0 11/10	25 PSI	NONE
1:00	0.5	25 PSI	Pipe Held 25 PSI
1:30	1	25 PSI	For OVER 24 Hours
2:00	1.5	25 PSI	
2:30	2	25 PSI	
3:30	24 11/11/00	25 PSI	

Additional Comments :

Personnel Conducting Test : Dave Hart

PRESSURE TEST DATA SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 11/10/00

Location : Newport, RI — Recorded by: DAVE HARRIS

Client : U. S. Navy - Northern Division

From Chamber Location : BID #73

To Chamber Location : P-7

Size of Pipeline : 8 inch

Initial Pressure Reading PreSoap Test: 25 (PSI)

Pressure Reading PostSoap Test: 25 (PSI)

Leaks Noted and Corrective Actions Taken :

Test Information (Readings to be taken every 0.5 hrs for initial 2 hrs; Test to last 24 hrs)

Start Date : — End Date :

Start Time : — End Time :

Elapsed Time (hrs)			Pressure Reading (PSI)	Comments during test
1:00	0	11/10/00	25 PSI	NONE
1:30	0.5		25 PSI	24 Hour TEST Good
2:00	1		25 PSI	Held 25 PSI
2:30	1.5		25 PSI	For 24 Hours
3:00	2	V	25 PSI	
3:30	24	11/11/00	25 PSI	

Additional Comments :

Personnel Conducting Test : [signature]

~~PRESSURE~~ TEST DATA SHEET

VACUME

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : TUES 11/14/00

Location : Newport, RI — Recorded by: DAVE HART

Client : U. S. Navy - Northern Division

From Chamber Location : RID #73

To Chamber Location : 10 INCH LINE

Size of Pipeline : 10 INCH

Initial Pressure Reading PreSoap Test: 23 ~~INCHES VACUME~~ (PSI)

Pressure Reading PostSoap Test: 21 INCHES VAC (PSI)

Leaks Noted and Corrective Actions Taken :

Test Information (Readings to be taken every 0.5 hrs for initial 2 hrs; Test to last 24 hrs)

Start Date : 11/14/00 — End Date : 11/15/00

Start Time : 9:00 AM — End Time : 9:00 AM

Elapsed Time (hrs)	Pressure Reading (PSI)	Comments during test
9:00 AM 0 11/14/00	23 INCHES VACUME	
9:30 0.5	23	
10:00 1	23	
10:30 1.5	23	
11:00 2	23	
9:00 24 11/15	21 INCHES	

Additional Comments : DO TO PIPES OVER WATER WENT with VACUME TEST

Personnel Conducting Test : Dave Hart

BOB Hammond

~~PRESSURE~~ VACUME TEST DATA SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 11/14/00

Location : Newport, RI — Recorded by: Dave Hines

Client : U. S. Navy - Northern Division

From Chamber Location : BLD # B

To Chamber Location : PIER #2

Size of Pipeline : 12 inch

Initial Pressure Reading PreSoap Test: 23 ~~INCHES~~ VACUME (PSI)

Pressure Reading PostSoap Test: 23" VAC (PSI)

Leaks Noted and Corrective Actions Taken :

Test Information (Readings to be taken every 0.5 hrs for initial 2 hrs; Test to last 24 hrs)

Start Date : 11/14/00 — End Date : 11/15/00

Start Time : 9:00 — End Time : 9:00 Am

Elapsed Time (hrs)			Pressure Reading (PSI)	Comments during test
9:00	0	11/14	23 INCHES VACUME	
9:30	0.5		23	
10:00	1		23	
10:30	1.5		23	
11:00	2		23	
9:00 Am	24	11/15	17 INCHES	

Additional Comments : DO TO PIPES OVER WATER

WENT WITH VACUME TEST

Personnel Conducting Test : Dave Hines

Bob Hammond

APPENDIX G

DISPOSAL DOCUMENTATION

ACM WASTE

#376 (PIPE-LINE)
M-J Reilly

FORM 1: ASBESTOS WASTE MANIFEST (See Instructions on Back)

GENERATOR

1. Work Site Name and Mailing Address
Naval Station Newport
Burma Road
Newport, RI 02841

Owner's Name, Address, Phone No
Naval Station Newport, Code-44
1 Simonpietri Drive
Newport, RI 02841 (401) 841-1791

2. Contractor's Name, Address, Phone No. (Operator)
Charter Environmental, Inc.
85 Crescent Avenue
Chelsea, MA 02150 (617) 889-2228

3. Waste Disposal Site (WDS) Name, Location, Address, and Phone No.
Waste Management Disposal Services of Mqaine-Crossroads
PO Box 629, Route 2
Norridgewock, ME (207) 634-2714

4. Name and Address of Responsible NESHAPS Agency
USEPA Region 1, One Winter Street, Boston, MA 02111

5. Description of Materials (See Instructions)
Asbestos Containing Materials
RQ, Asbestos, NA2212, PG III

6. & 7. Waste Containers and Quantities

Type	Number	Quantity	Units
DM	1	15	yds
DP			
BA			

8. Special Handling Instructions and Additional Information
WEIGHT TICKETS REQUIRED

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this waste consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labeled; and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

Printed/Typed Name & Title	Signature	Date
Pablo Mora	Pablo Mora	9/22/00

TRANSPORTER

10. Transporter 1 (Acknowledgement of Receipt of Materials)

Company Name & Address	Signature:	Telephone No.
~~Sams Transportation~~ CHARTER ENV. INC ~~104 West Main Street~~ 85 Crescent ~~Groveland, MA~~ Chelsea, MA 02150	Printed Name: [signature] Title: Joe MIKENAS	~~888-352-6639~~ Date (617) 889-2228 9/22/00

11. Transporter 2 (Acknowledgement of Receipt of Materials)

Company Name & Address	Signature:	Telephone No.
	Printed Name: Title:	Date

DISPOSAL SITE

12. Discrepancy Indication Space:

13. Waste Disposal Site Owner or Operator's Certification (Receipt of above Waste Except as Noted in 12)

Company Name & Address	Signature:	Telephone No.
Waste Management Disposal Svcs Crossroads PO Box 629, Route 2 Norridgewock, ME	Printed Name: Title:	207-634-2714 Date

Project No. _____
Project Manager: _____
Form 1 of 1

376 (PIPE-LINE)

Mr J Reilly

FORM 1: ASBESTOS WASTE MANIFEST (See Instructions on Back)

GENERATOR

1. Work Site Name and Mailing Address
Naval Station Newport
Burma Road
Newport, RI 02841

Owner's Name, Address, Phone No
Naval Station Newport, Code-44
1 Simonpietri Drive
Newport, RI 02841 (401) 841-1791

2. Contractor's Name, Address, Phone No. (Operator)
Charter Environmental, Inc.
85 Crescent Avenue
Chelsea, MA 02150 617 889-2228

3. Waste Disposal Site (WDS) Name, Location, Address, and Phone No.
Waste Management Disposal Services of Mqaine-Crossroads
PO Box 629, Route 2
Norridgewock, ME 207 634-2714

4. Name and Address of Responsible NESHAPS Agency
USEPA Region 1, One Winter Street, Boston, MA 02111

5. Description of Materials (See Instructions):
Asbestos Containing Materials
RO. Asbestos, NA2212, PG III

6. & 7. Waste Containers and Quantities

Type	Number	Quantity	Units
DM	1	20	yds
DP			
BA		00 yds	

8. Special Handling Instructions and Additional Information
WEIGHT TICKERS REQUIRED

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this waste consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labeled; and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

Printed/Typed Name & Title	Signature	Date
PABLO MORA	Pablo Mora	9/22/00

TRANSPORTER

10. Transporter 1 (Acknowledgement of Receipt of Materials)

Company Name & Address	Signature:	Telephone No.
~~Sams Transportation~~ CHARTER ENV INC ~~104 West MainSStreet~~ 85 Crescent ~~Groveland, MA~~ Chelsea, MA 02150	Printed Name: [signature] Title: Joe MIKEAS	~~[illegible]~~ Date (617) 889-2228 9/22/00

11. Transporter 2 (Acknowledgement of Receipt of Materials)

Company Name & Address	Signature:	Telephone No.
	Printed Name: Title:	Date

DISPOSAL SITE

12. Discrepancy Indication Space:
#7 20 yds #324071 K19 300 EL

13. Waste Disposal Site Owner or Operator's Certification (Receipt of above Waste Except as Noted in 12)

Company Name & Address	Signature:	Telephone No.
Waste Management Disposal Svcs Crossroads PO Box 629, Route 2 Norridgewock, ME	Karin Brown Printed Name: Karin Brown Title: Scale Opp.	207-634-2714 Date 9/25/00

Project No. _____
Project Manager: _____
Form 1 of 1

WASTE MANAGEMENT - CROSSROADS
P.O. BOX 629 U.S. ROUTE 2
NORRIDGEWOCK, ME. 04957
(207) 634-2714

DISPOSAL RECEIPT: 328071

PO NUMBER:

MANIFEST:

DATE:
09/25/2000

TIME:
08:19

CLIENT:
CHARTER ENVIRONMENTAL
85 CRESENT AVE
CHELSEA MA 02150

WASTE:
ASBESTOS

GENERATOR:
NAVAL STATION NEWPORT

TRANSPORTER:
CHARTER ENVIRONMENTAL, INC.

GROSS: 54360
TARE: 36740
==========
NET: 17620 = TONS: 8.81

JOB NO:511991 SLIP NO:

AUTHORIZED SIGNATURE FOR WMDSM, INC.

CUSTOMER AUTHORIZED SIGNATURE

LOGANO

P.O. Box 144
Portland, CT 06480
(860) 342-0667 • Fax: (860) 342-4866
Out of State 1-800-272-3867

• SPECIALIZING IN ASBESTOS & HAZARDOUS WASTE TRANSPORTATION •

63407

378

ASBESTOS DISPOSAL & DOCUMENTATION FORM

Job Number 4114 P.O. #

Contractor Charter Environmental, Inc

Address 85 Crescent Avenue

City Chelsea State MA Zip 02150

Telephone Number (617) 889-2228

Date Container Del. 7/22/00 Date of Pickup

Type of Container Trailer - Weight Ticket Rec'd

Friable ☒ Non-Friable ☐

Bag ☒ Drum ☐ Wrapped ☐ Other ☐

Approximate Volume of Asbestos Removed
50 yards

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

AUTHORIZED SIGNATURE

CONTRACTOR SIGNATURE:

GENERATOR/BUILDING OWNER

Naval Station Newport

Address 1 Simonpietri Drive Code 44

City Newport State RI Zip 02841

Phone Number (401) 841-1791

GENERATING LOCATION

Burma Road Pipeline

Address Middletown/Portsmouth RI

City N/A State Zip

Phone Number

E.P.A. AGENCY

CT, MA, RI, VT, NH, ME GENERATORS

U.S. EPA - Region I
Air Management - JFK Building
Boston, MA 02203
(617) 565-3265

NY GENERATORS

U.S. EPA - Region II
NESHAP, Asbestos Coordinator,
26 Federal Plaza
New York, New York 10007
(212) 264-6770

RQ, ASBESTOS, 9, NA2212, PG III

Transporter 1: Waste Management, Portland CT

I hereby certify that the above named material was picked up at the generator site listed above, and, if applicable delivered to the temporary storage/transfer location or final landfill destination.

Driver: _____ Registration #: CT 26656-A Date: 9-29-00
Signature State / #

TEMPORARY STORAGE / TRANSFER FACILITY: LOGANO TRUCKING CO., INC. • 203 PICKERING STREET • PORTLAND, CT 06480
PHONE: (860) 342-0667 PERMIT # SW 1130223

Received By: _____ Date: _____

I hereby certify that the above named material has been accepted at the above named facility.

Transporter 2: LOGANO

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver: _____ Registration #: _____ Date: _____
Signature State / #

Landfill Name: Valley Landfill Phone No: (724) 744-7445

Location: RD #2, PO Box 282A, Irwin, PA 15642 Permit #: 100280

Approximate Volume of Asbestos Received: _____

Discrepancy If Any: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge the information provided is true and accurate.

Received by: _____ Date: _____

COPY 2 — CONTRACTOR

LOGANO
P.O. Box 144
Portland, CT 06480
(860) 342-0667 • Fax: (860) 342-4866
Out of State 1-800-272-3867
SPECIALIZING IN ASBESTOS & HAZARDOUS WASTE TRANSPORTATION

63407

378

103276

ASBESTOS DISPOSAL & DOCUMENTATION FORM

Job Number 414 P.O.#

Contractor Charter Environmental, Inc

Address 85 Crescent Avenue

City Chelsea State MA Zip 02150

Telephone Number (617) 889-2228

Date Container Del. 7/22/00 Date of Pickup 9/29/00

Type of Container Trailer - Light Tight Roll Off

Friable ☒ Non-Friable ☐

Bag ☒ Drum ☐ Wrapped ☐ Other ☐

Approximate Volume of Asbestos Removed
50 yards

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

CONTRACTOR SIGNATURE:

GENERATOR/BUILDING OWNER

Naval Station Newport

Address 1 Simonpietri Drive

City Newport State RI Zip 02841

Phone Number (401) 841-1791

GENERATING LOCATION

Burma Road Pipeline

Address Middletown/Portsmouth RI

City N/A State Zip

Phone Number

E.P.A. AGENCY

CT, MA, RI, VT, NH, ME GENERATORS:
U.S. EPA - Region I
Air Management - JFK Building
Boston, MA 02203
(617) 565-3265

NY GENERATORS
U.S. EPA - Region II
NESHAP, Asbestos Coordinator
26 Federal Plaza
New York, New York 10007
(212) 264-6770

RQ, ASBESTOS, 9, NA2212, PG III

Transporter 1: Waste Management, Portland CT

I hereby certify that the above named material was picked up at the generator site listed above, and, if applicable delivered to the temporary storage/transfer location or final landfill destination.

Driver: [signature] Registration #: CT 26656 A Date: 9-29-00
Signature State / #

TEMPORARY STORAGE / TRANSFER FACILITY: LOGANO TRUCKING CO., INC. • 203 PICKERING STREET • PORTLAND, CT 06480
PHONE: (860) 342-0667 PERMIT # SW 1130223

Received By: [illegible] Date: [illegible]

I hereby certify that the above named material has been accepted at the above named facility.

Transporter 2: LOGANO IEW BAY LOGISTICS P.O. BOX 1918 HYANNIS MA 02601 800-371-3333

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver: [signature] Registration #: 160 432 041 Date: 10/5/00
Signature State / #

Landfill Name: Valley Landfill Phone No: (724) 744-7446

Location: RD #2, PO Box 282A, Irwin, PA 15642 Permit #: 100280

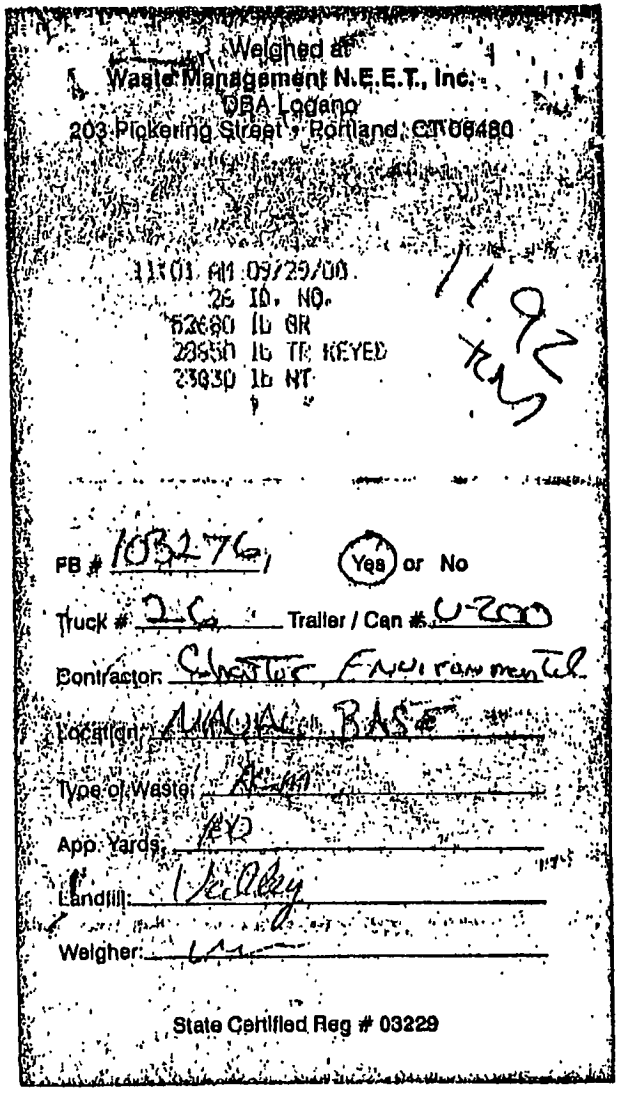
Approximate Volume of Asbestos Received: 50 CY

Discrepancy If Any:

I hereby certify that the above named material has been accepted and to the best of my knowledge the information provided is true and accurate.

Received by: [signature] Date: 10-10-00

COPY 5 — COPY



Weighed at
Waste Management N.E.E.T., Inc.
DBA Logano
203 Pickering Street • Portland, CT 06480

11:01 AM 09/29/00
26 ID. NO.
52680 lb GR
28850 lb TR KEYED
23030 lb NT

11.92
TM

FB # 103276 Yes or No

Truck # 26 Trailer / Can # U-200

Contractor: Chester Environmental

Location: NAVAL BASE

Type of Waste: [illegible]

App. Yards: [illegible]

Landfill: Valley

Weigher: [illegible]

State Certified Reg # 03229

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS MATERIALS
One Winter Street Boston, Massachusetts 02108

BCC FILE # 46083

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. RI1170024843	Manifest Document No. 50895	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVAL STATION NEWPORT
1 SIMON PIETRIE DRIVE, Code 44
CODE 44 NEWPORT RI. 02841
4. Generator's Phone 401-841-1791

A. State Manifest Document Number: MA K 728699
B. State Gen. ID: Burma Road Newport, RI (SAME)

5. Transporter 1 Company Name: GENERAL CHEMICAL CORPORATION
6. US EPA ID Number: MAD019371079
C. State Trans. ID: Y34284(TN)

7. Transporter 2 Company Name
8. US EPA ID Number
D. Transporter's Phone: 508-872-5000

9. Designated Facility Name and Site Address
GENERAL CHEMICAL CORPORATION
133 LELAND STREET
FRAMINGHAM MA 01702
10. US EPA ID Number: MAD019371079
E. State Trans. ID
F. Transporter's Phone
G. State Facility's ID: NOT REQUIRED
H. Facility's Phone: 508-872-5000

	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. WASTE NO.
a.	ENVIRONMENTALLY HAZARDOUS SUBSTANCES LIQUID, n.o.s. (#6 OIL/WATER) 9 , UN3082, PGIII ER6171	04	DM	2206	G	MA01
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code.)
R010
a. (0001) 4455
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. c.
b. d.

15. Special Handling Instructions and Additional Information
CLEAN VENTURE 1-508-872-5000

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Date (Month Day Year)
MARK J. RIELLY	Mark J Rielly	04 29 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Carl Hulse	Carl Hulse	04 29 00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item19

Printed/Typed Name	Signature	Date (Month Day Year)

Form Approved OMB No. 2050-0039. Expires 9-30-98
EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

In case of emergency or spill, immediately call the National Response Center (800) 424-8802

MA K 728699 COPY>1: FACILITY MAILS TO DESTINATION STATE

COPY>1: FACILITY MAILS TO DESTINATION STATE

DIVISION OF HAZARDOUS MATERIALS
On Winter Street Boston, Massachusetts 02108

SCC FILE # 46053

Please print or type. Form designed for use on elite (12-pitch) typewriter

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. RI1170024843	Manifest Document No. 50895	2. Page 1 of 1	Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
NAVAL STATION NEWPORT
1 SIMON PIETRIE DRIVE, Code 44
CODE 44 NEWPORT RI. 02841
4. Generator's Phone 401-841-1791

A. State Manifest Document Number: MA K 728699
B. State Gen. ID: Burns Road Newport, RI
C. State Trans. ID: Y3428 (TN)
D. Transporter's Phone: 508-872-5000
E. State Trans. ID:
F. Transporter's Phone:
G. State Facility's ID: NOT REQUIRED
H. Facility's Phone: 508-872-5000

5. Transporter 1 Company Name: GENERAL CHEMICAL CORPORATION
6. US EPA ID Number: MAD019371079
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
GENERAL CHEMICAL CORPORATION
133 LELAND STREET
FRAMINGHAM MA 01702
10. US EPA ID Number: MAD019371079

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit	15. Waste No.
a. ENVIRONMENTALLY HAZARDOUS SUBSTANCES LIQUID, n.o.s. (#6 OIL/WATER) 9, UN3082, PSIII ER6171	24	DM	220	G	[illegible]
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code.)
R010
a. (0001) 4X55
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. c.
b. d.

15. Special Handling Instructions and Additional Information
CLEAN VENTURE 1-508-872-5000

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: MARK J. RIELLY
Signature: Mark Rielly
Date: Month 09 Day 29 Year 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Carl Hertel
Signature: [signature]
Date: Month 09 Day 29 Year 01

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
Printed/Typed Name: R. Swartz
Signature: [signature]
Date: Month 10 Day 1 Year 01

Form Approved OMB No. 2050-0039 Expires 1-30-96
EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

HAZARDOUS WASTE FACILITY RETAINS

General Chemical
133-138 Leland St.
Framingham, MA 01702
(508) 872-5000
(508) 875-5271 (Fax)

WASTE MATERIAL PROFILE SHEET

Name of Waste Stream

#6 oil/water/Debris

General Chemical Corporation

EMERG. RESP. # _____
APP. CODE: VT _____
SALESPERSON _____

☒ NEW ☐ AMENDMENT

GENERATOR INFORMATION

Site Name: Naval Station Newport
Address: ~~Naval~~ Code 46 ~~Activities~~
Newport RI 02841
Mailing Name: ~~same~~
Address: 1 Simonpietri Drive - Code 44
Newport, RI
USEPA ID #: RI1170024243
Tech. Contact: Mark Reilly
Telephone: (401) ~~864-3427~~ 841-1791

BROKER: CVT07
Billing Name: _____
Billing Address: _____
Attention: _____
Telephone: _____
Special Instructions: _____

DOT Shipping Name: Environmentally Hazardous Substances Liquid N.O.S.
Add'l Description: _____
Hazard Class: 9 UN/NA No.: NA3082 Packing Group: III

RCRA (RCRA Non Hazardous Exempt? ☐ Yes ☐ No)
Process Generating: Valve House Remediation
State Waste Codes: MA01
EPA Waste Codes: _____

PHYSICAL PROPERTIES

Layers: ☐ Single layer ☒ Bi-layer ☐ Multi-layer
Viscosity: ☐ N/A ☐ Low ☒ Medium ☒ High
Odor: ☒ None ☐ Mild ☐ Strong
Describe: _____
Color/Appearance: Black

☐ soil	☐ solid	____%	
☐ powder/dust	☒ sludges	____%	
☒ debris	☒ free liq.	100%	

SPECIFIC GRAVITY at 70°F

Liquids		Solids	
☐ < 8	☐ N/A	☒ N/A	
☒ .8-1.0	☐ 1.3-1.6	☐ < 1 ton/yd.	
☐ 1.0-1.3	☐ > 1.6	☐ > 1 ton/yd.	

pH: ☒ N/A
☐ 0-2 ☐ 4.1-10 ☐ ≥ 12.5
☐ 2.1-4 ☐ 10.1-12.4 Exact ____

Flash Point (liquid only)

☐ < 73°F/(23°C)	Boiling Point
☐ 73-140°F/(23-60°C)	☐ < 95°F/(35°C)
☐ 140-200°F/(61-93°C)	☐ > 95°F/(35°C)
☐ N/A	☐ N/A

Is this waste pumpable? ☐ Yes ☐ No
Is this waste polymerizable? ☐ Yes ☐ No

OTHER COMPONENTS

☐ None

	No	Yes	Total ppm
PCBs	☒	☐	____
Cyanides	☐	☐	____
Sulfides	☐	☐	____
Pesticides	☐	☐	____
Phenolics	☐	☐	____
Dioxins	☐	☐	____
Halogens	☐	☐	____ %
Mercaptans	☐	☐	____
Reactives	☐	☐	____
Oxidizers	☐	☐	____
Biologicals	☐	☐	____
D012-D043	☐	☐	____
F001-F005 Solv	☑	☐	____

ANTICIPATED VOLUME

Qty.	Container	Qty.	Container
☐ ____	5-g. pail	☐ ____	cu. yd. box
☐ ____	15-g. carboy	☐ ____	roll-off
☐ ____	30-g. drum	☐ ____	tanker
☒ 2	55-g. drum	☐ ____	other ____
☐ ____	85-g. drum		

Frequency: ☒ 1X ☐ week ☐ month ☐ year ☐ other ____

METALS

☐ NONE ☐ TCLP (MG/L) ☐ TOTAL (ppm)

	Reg Limit	Below	Above	Range
Arsenic	5 mg/L	☒	☐	____
Barium	100 mg/L	☐	☐	____
Cadmium	1 mg/L	☐	☐	____
Chromium	5 mg/L	☐	☐	____
Copper		☐	☐	____
Lead	5 mg/L	☐	☐	____
Mercury	0.2 mg/L	☐	☐	____
Nickel	134 mg/L	☐	☐	____
Selenium	1 mg/L	☐	☐	____
Silver	5 mg/L	☐	☐	____
Zinc		☒	☐	____
Others				____

PHYSICAL/CHEMICAL CONSTITUENTS

#6 oil/water/Debris	100 %
	____ %
	____ %
	____ %
	____ %
	____ %
	____ %
	____ %
	____ %
	____ %
	____ %
	____ %

(Attach all MSDS, sample analysis and additional information) must be ≥100%

GCC USE ONLY

Approved/Acceptance ☐ Yes ☐ No
GC Analysis: _____
Flash (°F) _____ pH _____
CN _____ S _____
CLASS IN OTH
ECOMA/MODPA MW41
Lab Approval _____ ESM Approval _____

Generator's Certification. I hereby certify that I have personally examined and am familiar with the information submitted in this and all attached documents. I believe that the submitted information is true, accurate, and complete to the best of my knowledge and ability and that all known and suspected hazards have been disclosed. I further authorize General Chemical Corporation to transmit the above information to regulatory or TSD facilities as required for approvals.

Mary Reilly
Generator's Authorized Signature

Date 9/29/00

RECYCLABLE METALS

049859

STRUCTURAL STEEL
SCRAP IRON
RAILS - TANKS

James G. Grant Co., Inc.
DISMANTLING CONTRACTORS
28 Wolcott St., Rear • P.O. Box 54 • Readville, MA 02137
617-361-2716
1-800-649-1616

PLANTS DISM.
BOILERS
CRANE SERVICE
HEAVY HAULING

NAME Foster Wheeler DATE 10-29-00

ADDRESS Tank Farm #5 Middleton RI.

COMMODITY Scrap

REMARKS

0 5 0 2 2 0 LBS. GROSS

0 3 5 8 8 0 LBS. TARE

6.40 G.T.

LBS. NET @ PER LB. PRICE No Charge.

14340

SHIPPER 34 WEIGHER Dustin

051135

STRUCTURAL STEEL
SCRAP IRON
RAILS - TANKS

James G. Grant Co., Inc.
DISMANTLING CONTRACTORS
28 Wolcott St., Rear • P.O. Box 54 • Readville, MA 02137
617-361-2716
1-800-649-1616

PLANTS DISM.
BOILERS
CRANE SERVICE
HEAVY HAULING

NAME Foster Wheeler Env. DATE 11-16-00

ADDRESS Burma Rd Middleton RI.

COMMODITY

REMARKS No # on Cont.

0 5 0 1 6 0 LBS. GROSS

0 3 8 1 4 0 LBS. TARE

5.36 G.T.

LBS. NET @ PER LB. PRICE

12020

SHIPPER 57 WEIGHER [illegible]

Mid-City Scrap Iron & Salvage Co., Inc.

548 State Road ~ P.O. Box 157 ~ Westport, MA 02790-0157
Telephone 508-675-7831 ~ Fax 508-675-2900

Vendor Information

DAMIEN

TIVERTON

Carrier	Date	Pay By	Time	Ticket Number
RAGING BULL	11/07/00	CASH	09:58 AM	136975

Description	Gross	Tare	Net	Price	Ext. Price
UNDERGROUND TANK	47920	36780	11140	0.0000/LB	0.00

FW-34

11140 **TOTAL: $** 0.00

X

Ven-Ref:

Weighmaster: KA Customer: X

Comment:

Subject to Terms and Conditions as Listed on the Reverse Side of this Document.

01/25/2001 14:47 4016243727 DAMIAN ASSOCIATES PAGE 01

PIPELINE LIQUIDS

BURNER RD. PIPELINE PROJ.

DOCUMENT NO. 32402

WORK ORDER NO. _____

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors ENV. Services, Inc. VEHICLE ID # T1203 / TEL283
EPA ID # MAD039322558 TRANS. 1 PHONE 617-849-1800

TRANSPORTER 2 _____ VEHICLE ID # _____
EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY	SHIPPER
Clean Harbors ENV. Services, Inc.	Naval Station Newport, DIV 44
FACILITY EPA ID # MED 980672182	SHIPPER EPA ID # RI 1170024242
ADDRESS 37 Rumery Road	ADDRESS 1 Simon Pierce Drive
CITY S. Portland STATE Maine ZIP 04106	CITY NEW PORT STATE RI ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS RCRA	TOTAL QUANTITY	UNIT WT/VOL
1 x 6000	TT	N/A	A. NON DOT Regulated Material / NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	gallons
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS IN case of Emergency, call 1-800-645-8265

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	X MARK J. RIELLY	X Mark J Rielly	8/29/00
TRANSPORTER 1	PRINT BOB WEST	SIGN Bob West	DATE 8/29/00
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT JOHN W McGILP	SIGN John W McGilp	DATE 8/30/00

CHI 190

1

BURMA RD.
PIPE-LINE

DOCUMENT NO. 32405

WORK ORDER NO. _____

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Env. Services, Inc. VEHICLE ID # 1204 / TRL 2125
EPA ID # MAD 039322250 TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2 _____ VEHICLE ID # _____
EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY				SHIPPER			
Clean Harbors Env. Services Inc.				Naval Station Newport, Div 44			
FACILITY EPA ID # MED 980672180				SHIPPER EPA ID # RI 1170024342			
ADDRESS 37 Rumery Rd				ADDRESS 1 Simoni Ave DR.			
CITY S. Portland		STATE Maine	ZIP 04106	CITY Newport		STATE RI	ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. WATER, NON-DOT REGULATED NON-HAZARDOUS, N/A (NONE)	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS

RECEIVED AUG 30 2000 MAINE

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER X	MARK J. RIELLY	X	8/30/00
TRANSPORTER 1	DAVE CRUZ		8/30/00
TRANSPORTER 2			
RECEIVED BY	JOHN W McGILP		8/31/00

CHI 190

W.B. MASON CO. INC. (800) 666-3434 (800) 242-6692

BORMA RD.
PIPE-LINE

DOCUMENT NO. 32403

WORK ORDER NO. _____

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Env. Services, Inc
EPA ID # MAD 039322250
VEHICLE ID # 1203 / TRL 283
TRANS. 1 PHONE 617-849-1800

TRANSPORTER 2 _____
EPA ID # _____
VEHICLE ID # _____
TRANS. 2 PHONE _____

DESIGNATED FACILITY: Clean Harbors Env. Services, Inc.	SHIPPER: Naval Station Newport, Div. 44
FACILITY EPA ID #: MED 980672182	SHIPPER EPA ID #: RI1170024242
ADDRESS: 37 Rumery Rd.	ADDRESS: 1 Simon Pier Dr.
CITY: S. Portland STATE: Maine ZIP: 04106	CITY: Newport STATE: RI ZIP: 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1x6000	TT	N/A	A. WATER, NON-DOT REGULATED, NON-HAZARDOUS N/A (NONE)	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

RECEIVED AUG 30 2000 WINN

SPECIAL HANDLING INSTRUCTIONS

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	x MARK J. RIELLY	x Mark J Rielly	8-30-00
TRANSPORTER 1	BOB WEST	Bob West	8-30-00
TRANSPORTER 2			
RECEIVED BY	JOHN W McGILP	John W McGilp	8/31/00

CHI 150

BURMA RD
PIPE-LINE PRG.

DOCUMENT NO. 32438

WORK ORDER NO: MW 268381

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENV. SERVICES, INC — VEHICLE ID # 1516353
EPA ID # MAD039322250 — TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2 _____ — VEHICLE ID # _____
EPA ID # _____ — TRANS. 2 PHONE _____

DESIGNATED FACILITY	SHIPPER
CLEAN HARBORS ENV. SERVICES, INC	NAVAL STATION, NEWPORT, DIV 44
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RI1170024242
ADDRESS 37 RUMERY ROAD	ADDRESS 1 SIMONPIETRI DRIVE
CITY SO PORTLAND STATE ME ZIP 04106	CITY NEWPORT STATE RI ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON HAZARDOUS, NOME, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY CALL 1-800-645-8265
(BURMER ROAD PIPELINE PROJECT)

RECEIVED SEP 2000 WINN

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT MARK G. RIELLY	SIGN	DATE 9/6/00
TRANSPORTER 1	PRINT Fred-SARGENTO	SIGN	DATE 9/06/00
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT EDWARD M. BLANCHARD	SIGN	DATE 9/7/00

CHI 130

W.S. MASON CO. INC.

BURMA RD.
PIPELINE PRG.

DOCUMENT NO. 32447

WORK ORDER NO. MW208381

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENV. SERVICES, INC — VEHICLE ID # TRL 2131
EPA ID # MAD039322250 — TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2 _____ — VEHICLE ID # _____
EPA ID # _____ — TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER		
CLEAN HARBORS ENV. SERVICES, INC			NAVAL STATION, NEWPORT, DIV 44		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RI1170024242		
ADDRESS			ADDRESS		
37 RUMERY ROAD			1 SIMONPIETRI DRIVE		
CITY	STATE	ZIP	CITY	STATE	ZIP
SO PORTLAND	ME	04106	NEWPORT	RI	02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLON
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY CALL 1-800-645-8265
(BURMER ROAD PIPELINE PROJECT)

RECEIVED SEP 7 2000 WMNM

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT MARK J. RIELLY	SIGN Mark J Reilly	DATE 9.7.00
TRANSPORTER 1	PRINT BOB WEST	SIGN Bob West	DATE 9.7.00
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT EDWARD M. BANCHARD	SIGN	DATE 9/7/00

BURMA ROAD PIPELINE PROJ.

DOCUMENT NO. 32445

WORK ORDER NO. MW 268381

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENV. SERVICES, INC
EPA ID # MAD039322250
VEHICLE ID # 04-80167 MC
TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2
EPA ID #
VEHICLE ID # TK 2130
TRANS. 2 PHONE

DESIGNATED FACILITY				SHIPPER		
CLEAN HARBORS ENV. SERVICES, INC				NAVAL STATION, NEWPORT, DIV 44		
FACILITY EPA ID #				SHIPPER EPA ID #		
MED980672182				RI1170024242		
ADDRESS				ADDRESS		
37 RUMERY ROAD				1 SIMONPIETRI DRIVE		
CITY		STATE	ZIP	CITY	STATE	ZIP
SO PORTLAND		ME	04106	NEWPORT	RI	02841
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS		TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE		6000	GALLON
			B.			
			C.			
			D.			
			E.			
			F.			
			G.			
			H.			

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY CALL 1-800-645-8265 (BURMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER (X)	PRINT MARK J. RIELLY	SIGN Mark J Rielly	DATE 9/8/00
TRANSPORTER 1	PRINT William D. CRUZ	SIGN William D. Cruz	DATE 9-8-00
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Michael D MacCormack	SIGN Michael D MacCormack	DATE 9/8/00

CHI 190

12315

envirodok .. CLEARLY THE FUTURE OF FORMING W.S. MASON CO. INC. (508) 888-3434 (800) 242-5892

DOCUMENT NO. 32441 WORK ORDER NO. MW 268381

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENV. SERVICES, INC VEHICLE ID # 1202/2129
EPA ID # MAD039322250 TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2 _____ VEHICLE ID # _____
EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER		
CLEAN HARBORS ENV. SERVICES, INC			NAVAL STATION, NEWPORT, DIV 44		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RI1170024242		
ADDRESS 37 RUMERY ROAD			ADDRESS I SIMONPIETRI DRIVE		
CITY SO PORTLAND	STATE ME	ZIP 04106	CITY NEWPORT	STATE RI	ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

RECEIVED SEP 10 2000 WINN

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY CALL 1-800-645-8265 (BURMER ROAD PIPELINE PROJECT).

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Renee Lanoie	Renee Lanoie	9-8-00
TRANSPORTER 1	JOHN FORTIN	John Fortin	9-8-00
TRANSPORTER 2			
RECEIVED BY	Michael D MacCormack	Michael D MacCormack	9/8/00

envirodoc ... CLEANLY THE FUTURE OF PRINTING

W.B. MASON CO. INC. (508) 686-6434 (800) 242-5692

2131

BURMA ROAD PIPELINE PRJ.

DOCUMENT NO. 32422

WORK ORDER NO. MW269345

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENV SERVICES, INC
EPA ID # MAD039322250
VEHICLE ID # 04-50168 m
TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2
EPA ID #
VEHICLE ID #
TRANS. 2 PHONE

DESIGNATED FACILITY	SHIPPER
CLEAN HARBORS ENV SERVICES, INC	NAVAL STATION, NEWPORT, DIV 44
FACILITY EPA ID # MKD980672182	SHIPPER EPA ID # RI1170024242
ADDRESS 37 RUMERY ROAD	ADDRESS 1 SIMONPIETRI DRIVE
CITY SOUTH PORTLAND STATE ME ZIP 04106	CITY NEWPORT STATE RI ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

RECEIVED SEP 11 2000 WINN

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY, CALL 800-645-8265

(BURMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	MARK J. RIELLY	[signature]	
TRANSPORTER 1	William D. CRUZ	William D. Cruz	9-11-00
TRANSPORTER 2			
RECEIVED BY	EDWARD N. BLANCHARD	[signature]	9/12/00

W.B. MASON CO. INC. (508) 666-3436 (800) 242-5892

John Bog

BURMA ROAD
PIPELINE PRJ.

DOCUMENT NO. 32446

WORK ORDER NO. _____

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENV. SERVICES, INC
EPA ID # MAD039322250
VEHICLE ID # 1202/2130
TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2 _____
EPA ID # _____
VEHICLE ID # _____
TRANS. 2 PHONE _____

DESIGNATED FACILITY	SHIPPER
CLEAN HARBORS ENV. SERVICES, INC	NAVAL STATION, NEWPORT, DIV 44
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RI1170024242
ADDRESS 37 RUMERY ROAD	ADDRESS I SIMONPIETRI DRIVE
CITY SO PORTLAND STATE ME ZIP 04106	CITY NEWPORT STATE RI ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6,000	GALLON
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

RECEIVED SEP 11 2000 WINN

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY CALL 1-800-645-8265
(BURMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	MARK J. RIELLY	[signature]	9/11/00
TRANSPORTER 1	JOHN FORTIN	[signature]	9-11-00
TRANSPORTER 2		[signature]	
RECEIVED BY	EDWARD W. BLANCHARD	[signature]	9/12/00

DOCUMENT NO. 32427 WORK ORDER NO. _____

STRAIGHT BILL OF LADING

#2129

TRANSPORTER 1 CLEAN HARBORS ENV SERVICES, INC VEHICLE ID # 04501616 - DMC
EPA ID # MAD039322250 TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2 _____ VEHICLE ID # _____
EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER		
CLEAN HARBORS ENV SERVICES, INC			NAVAL STATION, NEWPORT, DIV 44		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RI1170024242		
ADDRESS 37 RUMERY ROAD			ADDRESS 1 SIMONPIETRI DRIVE		
CITY SOUTH PORTLAND	STATE ME	ZIP 04106	CITY NEWPORT	STATE RI	ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY, CALL 800-645-8265

(BURNER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	MARK J. RIELLY	Mark J Rielly	9/12/00
TRANSPORTER 1	FRED SORRENTO		9/12/00
TRANSPORTER 2			DATE
RECEIVED BY	EDWARD M. BLANCHARD		9/12/00

CHI 190

12313

W.B. MASON CO. INC. (508) 808-3434 (800) 242-5692

DOCUMENT NO. 32430

WORK ORDER NO. MW269345

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENV SERVICES, INC — VEHICLE ID # 1202/230
EPA ID # MAD039322250 — TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2 _____ — VEHICLE ID # _____
EPA ID # _____ — TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER		
CLEAN HARBORS ENV SERVICES, INC			NAVAL STATION, NEWPORT, DIV 44		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RI1170024242		
ADDRESS 37 RUMERY ROAD			ADDRESS I SIMONPIETRI DRIVE		
CITY SOUTH PORTLAND	STATE ME	ZIP 04106	CITY NEWPORT	STATE RI	ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE NONE	6,000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY, CALL 800-645-8265
(BURMER ROAD PIPELINE PROJECT)

RECEIVED SEP 12 2000 WINN

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT MARK J. RIELLY	SIGN M J Rielly	DATE 9/12/00
TRANSPORTER 1	PRINT JOHN FORTIN	SIGN John Fortin	DATE 9-12-00
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT JEAN D. DAIGNAULT	SIGN Jean D. Daignault	DATE 9/12/00

W.B. MASON CO. INC. (508) 580-3434 (508) 243-6852

DOCUMENT NO. 32423

WORK ORDER NO. #2129

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENV SERVICES, INC
EPA ID # MAD039322250
VEHICLE ID # 0450166 ME
TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2
EPA ID #
VEHICLE ID #
TRANS. 2 PHONE

SEP 12 2000

DESIGNATED FACILITY			SHIPPER		
CLEAN HARBORS ENV SERVICES, INC			NAVAL STATION, NEWPORT, DIV 44		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RI1170024242		
ADDRESS 37 RUMERY ROAD			ADDRESS I SIMONPIETRI DRIVE		
CITY SOUTH PORTLAND	STATE ME	ZIP 04106	CITY NEWPORT	STATE RI	ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCT, CALL 800-645-8265
(BURMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	MARK J. RIELLY	[signature]	9/13/00
TRANSPORTER 1	FRED SORRENTINO	[signature]	9/13/00
TRANSPORTER 2			
RECEIVED BY	William Pakelell	[signature]	9/13/00

DOCUMENT NO. 32418 WORK ORDER NO. MW269345

STRAIGHT BILL OF LADING

#2130

TRANSPORTER 1 CLEAN HARBORS ENV SERVICES, INC VEHICLE ID # 0450167 M
EPA ID # MAD039322250 TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2 _____ VEHICLE ID # _____
EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER		
CLEAN HARBORS ENV SERVICES, INC			NAVAL STATION, NEWPORT, DIV 44		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RI1170028242		
ADDRESS			ADDRESS		
37 RUMERY ROAD			1 SIMONPIETRI DRIVE		
CITY	STATE	ZIP	CITY	STATE	ZIP
SOUTH PORTLAND	ME	04106	NEWPORT	RI	02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY, CALL 800-645-8265
(BURMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are property classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Renee Lavoie	Renee Lavoie	9/13/00
TRANSPORTER 1	JOHN FORTIN	John Fortin	9/13/00
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	William Patchell	William Patchell	9/13/00

CHI 196

DOCUMENT NO. 32450

WORK ORDER NO. _____

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENVIRONMENTAL SERVICES, INC
EPA ID # MAD039322250
VEHICLE ID # #2130
TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2 _____
EPA ID # _____
VEHICLE ID # 2130
TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER		
CLEAN HARBORS ENVIRONMENTAL SERVICES, INC			NAVAL STATION, NEWPORT, DIV 4A		
FACILITY EPA ID #			SHIPPER EPA ID #		
MKD980672182			RI1170024242		
ADDRESS			ADDRESS		
37 RUMERY ROAD			1 SIMONPIETRI DRIVE		
CITY	STATE	ZIP	CITY	STATE	ZIP
SO PORTLAND	MAINE	04106	NEWPORT	RI	02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6,000	GALLON
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY CALL 1-800-645-8265
(BURMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT MARK J RILEY	SIGN [signature]	DATE 9/14/00
TRANSPORTER 1	PRINT FRED SORRENTINO	SIGN [signature]	DATE 9/14/00
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT William Patch	SIGN [signature]	DATE 9/14/00

CHI 136

12315

W.B. MASON CO. INC. (508) 588-3434 (800) 242-6692

Z118

DOCUMENT NO. 32449

WORK ORDER NO.

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENVIRONMENTAL SERVICES, INC
EPA ID # MAD039322250
VEHICLE ID # 1203 / TRL 2118
TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2
EPA ID #
VEHICLE ID #
TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER		
CLEAN HARBORS ENV. SERVICES, INC			NAVAL STATION, NEWPORT, DIV 44		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RI1170024242		
ADDRESS 37 RUMERY ROAD			ADDRESS 1 SIMONPIETRI DRIVE		
CITY SOUTH PORTLAND	STATE MAINE	ZIP 04106	CITY NEWPORT	STATE RI	ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY CALL 1-800-645-8265 (BURMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	MARK J. RIELLY	Mark J Rielly	9/14/00
TRANSPORTER 1	BOB WEST	Bob West	9.14.00
TRANSPORTER 2			
RECEIVED BY	NICHOLAS KEENS		9/14/00

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284

DOCUMENT NO. 32442

WORK ORDER NO. _____

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENV. SERVICES, INC.
EPA ID # MAD039322250

VEHICLE ID # 284 613730 ME
TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2 _____
EPA ID # _____

VEHICLE ID # _____
TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER		
CLEAN HARBORS ENV. SERVICES, INC			NAVAL STATION, NEWPORT, DIV 44		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RI1170024242		
ADDRESS 37 RUMERY ROAD			ADDRESS 1 SIMONPIETRI DRIVE		
CITY SO PORTLAND	STATE ME	ZIP 04106	CITY NEWPORT	STATE RI	ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY CALL 1-800-645-8265
(BURMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	MARK J. RIELLY	Mark J. Rielly	9/14/00
TRANSPORTER 1	William D. Cruz	William D. Cruz	9-14-00
TRANSPORTER 2			
RECEIVED BY	Nicholas Keen	[signature]	9/14/00

W.B. MASON CO. INC. (800) 686-3434 (800) 243-6882

DOCUMENT NO. 32426

WORK ORDER NO. _____

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENV SERVICES, INC
EPA ID # MAD039322250
VEHICLE ID # #2129 0450166 ME
TRANS. 1 PHONE 781-849-1800

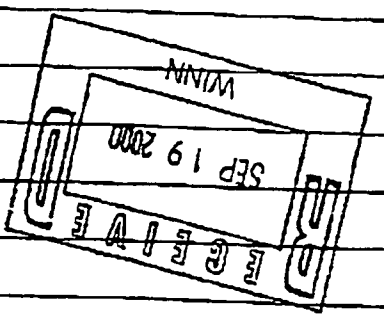
TRANSPORTER 2 _____
EPA ID # _____
VEHICLE ID # _____
TRANS. 2 PHONE _____

DESIGNATED FACILITY CLEAN HARBORS ENV SERVICES, INC	SHIPPER NAVAL STATION, NEWPORT, DIV 44
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RI1170024242
ADDRESS 37 RUMERY ROAD	ADDRESS I SIMONPIETRI DRIVE
CITY SOUTH PORTLAND STATE ME ZIP 04106	CITY NEWPORT STATE RI ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

RECEIVED SEP 19 2000 WINN

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY, CALL 800-645-8265
(BURMER ROAD PIPELINE PROJECT)



SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT MARK J. RIELLY	SIGN [signature]	DATE 9/18/00
TRANSPORTER 1	PRINT William D. CRUZ	SIGN William D. Cruz	DATE 9/18/00
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT JOHN W. McGILP	SIGN [signature]	DATE 9/18/00

DOCUMENT NO. 32413

WORK ORDER NO. _____

2119

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENV SERVICES, INC
EPA ID # MAD039322250
VEHICLE ID # 15 16354 ME
TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2 _____
EPA ID # _____
VEHICLE ID # _____
TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER	
CLEAN HARBORS ENV SERVICES, INC			NAVAL STATION, NEWPORT, DIV 44	
FACILITY EPA ID #			SHIPPER EPA ID #	
MED980672182			RI1170024242	
ADDRESS			ADDRESS	
37 RUMERY ROAD			1 SIMONPIETRI DRIVE	
CITY	STATE	ZIP	CITY	STATE ZIP
SOUTH PORTLAND	ME	04106	NEWPORT	RI 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

RECEIVED
OCT 02 2000
WINN

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY, CALL 800-645-8265
(BURMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	MARK J. RIELLY	Mark Rielly	10/2/00
TRANSPORTER 1	William D. CRUZ	William D. Cruz	10/2/00
TRANSPORTER 2			
RECEIVED BY	JOHN W McGILP	John W McGilp	10/03/00

EMI 190

DOCUMENT NO. 32412

WORK ORDER NO. _____

STRAIGHT BILL OF LADING

#2131

TRANSPORTER 1 CLEAN HARBORS ENV SERVICES, INC
EPA ID # MAD039322250
VEHICLE ID # 0450168 ME
TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2 _____
EPA ID # _____
VEHICLE ID # _____
TRANS. 2 PHONE _____

DESIGNATED FACILITY: CLEAN HARBORS ENV SERVICES, INC	SHIPPER: NAVAL STATION, NEWPORT, DIV 44
FACILITY EPA ID #: MED980672182	SHIPPER EPA ID #: RI1170024242
ADDRESS: 37 RUMERY ROAD	ADDRESS: 1 SIMONPIETRI DRIVE
CITY: SOUTH PORTLAND STATE: ME ZIP: 04106	CITY: NEWPORT STATE: RI ZIP: 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

RECEIVED OCT 02 2000 WINN

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY, CALL 800-645-8265 (BURMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT MARK J. RIELLY	SIGN Mark Rielly	DATE 10/2/00
TRANSPORTER 1	PRINT BOB WEST	SIGN Bob West	DATE 10/2/00
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT JOHN W McGILP	SIGN John W McGilp	DATE 10/02/00

CMI 190

W.B. MASON CO. INC. (800) 688-3434 (800) 242-6592

DOCUMENT NO. 32416

WORK ORDER NO. MW274411

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENV SERVICES, INC
EPA ID # MAD039322250
VEHICLE ID # 61488 ME #281
TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2
EPA ID #
VEHICLE ID #
TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER		
CLEAN HARBORS ENV SERVICES, INC			NAVAL STATION, NEWPORT, DIV 44		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RI1170024242		
ADDRESS 37 RUMERY ROAD			ADDRESS I SIMONPIETRI DRIVE		
CITY SOUTH PORTLAND	STATE ME	ZIP 04106	CITY NEWPORT	STATE RI	ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY, CALL 800-645-8265
(BURMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	MARK RIELLY	Mark Rielly	10/3/00
TRANSPORTER 1	FRED SORRENTINO	[signature]	10/3/00
TRANSPORTER 2			
RECEIVED BY	JOHN W McGILP	[signature]	10/03/00

CHI 150

W.S. MASON CO. INC. (207) 865-3434 (800) 242-6892

DOCUMENT NO. 32415

WORK ORDER NO. _____

STRAIGHT BILL OF LADING

#383

TRANSPORTER 1 CLEAN HARBORS ENV SERVICES, INC — VEHICLE ID # 614090 ME
EPA ID # MAD039322250 — TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2 _____ — VEHICLE ID # _____
EPA ID # _____ — TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER		
CLEAN HARBORS ENV SERVICES, INC			NAVAL STATION, NEWPORT, DIV 44		
FACILITY EPA ID # MKD980672182			SHIPPER EPA ID # RI1170024242		
ADDRESS 37 RUMERY ROAD			ADDRESS 1 SIMONPIETRI DRIVE		
CITY SOUTH PORTLAND	STATE ME	ZIP 04106	CITY NEWPORT	STATE RI	ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

RECEIVED OCT 03 2000 WINN

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY, CALL 800-645-8265
(BURMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	MARK J. RIELLY	Mark J Rielly	10/3/00
TRANSPORTER 1	BOB WEST	Bob West	10/3/00
TRANSPORTER 2			DATE
RECEIVED BY	JOHN W MCGILP	John W McGilp	10/03/00

CMI 198

DOCUMENT NO. 32433

WORK ORDER NO. _____

283

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENV SERVICES, INC
EPA ID # MAD039322250
VEHICLE ID # 614080 ME
TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2 _____
EPA ID # _____
VEHICLE ID # _____
TRANS. 2 PHONE _____

DESIGNATED FACILITY	SHIPPER
CLEAN HARBORS ENV SERVICES, INC	NAVAL STATION, NEWPORT, DIV 44
FACILITY EPA ID # MRD980672182	SHIPPER EPA ID # RI1170024242
ADDRESS 37 RUMERY ROAD	ADDRESS 1 SIMONPIETRI DRIVE
CITY SOUTH PORTLAND STATE ME ZIP 04106	CITY NEWPORT STATE RI ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY, CALL 800-645-8265
(RUMMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER PRINT MARK J. RIELLY	SIGN Mark J Rielly	DATE 10/4/00
TRANSPORTER 1 PRINT Bob West	SIGN Bob West	DATE 10/4/00
TRANSPORTER 2 PRINT	SIGN	DATE
RECEIVED BY PRINT William Parnell	SIGN	DATE 10/4/00

DOCUMENT NO. 32419

WORK ORDER NO. _____

281

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENV SERVICES, INC
EPA ID # MAD039322250
VEHICLE ID # 614088
TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2 _____
EPA ID # _____
VEHICLE ID # _____
TRANS. 2 PHONE _____

DESIGNATED FACILITY				SHIPPER		
CLEAN HARBORS ENV SERVICES, INC				NAVAL STATION, NEWPORT, DIV 44		
FACILITY EPA ID # MED980672182				SHIPPER EPA ID # RI1170024242		
ADDRESS 37 KUMERY ROAD				ADDRESS 1 SIMONPIETRI DRIVE		
CITY SOUTH PORTLAND	STATE ME	ZIP 04106		CITY NEWPORT	STATE RI	ZIP 02841
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS		TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE		6000	GALLONS
			B.			
			C.			
			D.			
			E.			
			F.			
			G.			
			H.			

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY, CALL 800-645-8265
(BUKMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER PRINT MARK J. RIELLY	SIGN Mark J Rielly	DATE 10/4/00
TRANSPORTER 1 PRINT Bob West	SIGN Bob West	DATE 10/4/00
TRANSPORTER 2 PRINT	SIGN	DATE
RECEIVED BY PRINT William Botelho	SIGN	DATE 10/4/00

CHI 190

12315

W.S. MASON CO. INC. (508) 888-3434 (800) 243-5892

DOCUMENT NO. 32417

WORK ORDER NO.

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENV SERVICES, INC
EPA ID # MAD039322250
VEHICLE ID # 614088 ME
TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2
EPA ID #
VEHICLE ID #
TRANS. 2 PHONE

DESIGNATED FACILITY	SHIPPER
CLEAN HARBORS ENV SERVICES, INC	NAVAL STATION, NEWPORT, DIV 44
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RI1170024242
ADDRESS 37 RUMERY ROAD	ADDRESS I SIMONOIETRI DRIVE
CITY SOUTH PORTLAND STATE ME ZIP 04106	CITY NEWPORT STATE RI ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY, CALL 800-645-8265
(BURMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	MARK J. RIELLY	Mark J Rielly	10/5/00
TRANSPORTER 1	William D. CRUC	William D. Cruc	10/5/00
TRANSPORTER 2			
EIVED BY	JOHN W McGICP	John W McGicp	10/05/00

#283

DOCUMENT NO. 32432

WORK ORDER NO. 615020.2

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENV SERVICES, INC
EPA ID # MAD039322250
VEHICLE ID #
TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2
EPA ID #
VEHICLE ID #
TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER	
CLEAN HARBORS ENV SERVICES, INC			NAVAL STATION, NEWPORT, DIV 44	
FACILITY EPA ID #			SHIPPER EPA ID #	
MED980672182			RI1170024242	
ADDRESS			ADDRESS	
37 RUMERY ROAD			1 SIMONPIETRI DRIVE	
CITY	STATE	ZIP	CITY	STATE ZIP
SOUTH PORTLAND	ME	04106	NEWPORT	RI 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY, CALL 800-645-8265
(BURMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT MARK J. RIELLY	SIGN	DATE 10/5/00
TRANSPORTER 1	PRINT W. B. CRUZ	SIGN William D. Cruz	DATE 10/5/00
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT JOHN W MCGILP	SIGN John W McGilp	DATE 10/05/00

CHI 190

DOCUMENT NO. 32435

MW 274411
WORK ORDER NO.

STRAIGHT BILL OF LADING

MG-614088

TRANSPORTER 1 CLEAN HARBORS ENV. SERVICES, INC
EPA ID # MAD039322250
VEHICLE ID # TRL 281
TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2
EPA ID #
VEHICLE ID #
TRANS. 2 PHONE

RECEIVED OCT 06 2000

DESIGNATED FACILITY		SHIPPER/ORIGIN	
CLEAN HARBORS ENV. SERVICES, INC		NAVAL STATION, NEWPORT, DIV 44	
FACILITY EPA ID #		SHIPPER EPA ID #	
MED980672182		RI1170024242	
ADDRESS		ADDRESS	
37 RUMERY ROAD		1 SIMONPIETRI DRIVE	
CITY	STATE ZIP	CITY	STATE ZIP
SO PORTLAND	ME 04106	NEWPORT	RI 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY CALL 1-800-645-8265
(BURMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT MARK J. RIELLY	SIGN	DATE 10/6/00
TRANSPORTER 1	PRINT BOB WEST	SIGN	DATE 10-6-00
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Michael D Mac Connell	SIGN	DATE 10/6/00

CHI 190

W.B. MASON CO. INC. (508) 586-3434 (800) 262-6262

MW27441

DOCUMENT NO. 32436

WORK ORDER NO. _____

STRAIGHT BILL OF LADING

TK 283

TRANSPORTER 1 CLEAN HARBORS ENV. SERVICES, INC VEHICLE ID # 614090 ME
EPA ID # MAD039322250 TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2 _____ VEHICLE ID # _____
EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER		
CLEAN HARBORS ENV. SERVICES, INC			NAVAL STATION, NEWPORT, DIV 44		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RI1170024242		
ADDRESS			ADDRESS		
37 RUMERY ROAD			1 SIMONPIETRI DRIVE		
CITY	STATE	ZIP	CITY	STATE	ZIP
SO PORTLAND	ME	04106	NEWPORT	RI	02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY CALL 1-800-645-8265
(BURMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT MARK J. RIELLY	SIGN Mark J Rielly	DATE 10/6/00
TRANSPORTER 1	PRINT William D. CRUZ	SIGN William D. Cruz	DATE 10-6-00
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Michael O Mac Cormack	SIGN Michael O Mac Cormack	DATE 10/6/00

DOCUMENT NO. 32429

WORK ORDER NO. # 2131

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENV SERVICES, INC
EPA ID # MAD039322250
VEHICLE ID # 0450168 ME
TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2
EPA ID #
VEHICLE ID #
TRANS. 2 PHONE

DESIGNATED FACILITY	SHIPPER
CLEAN HARBORS ENV SERVICES, INC	NAVAL STATION, NEWPORT, DIV 44
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RI1170024242
ADDRESS 37 RUMKEY ROAD	ADDRESS I SIMONPIETRI DRIVE
CITY SOUTH PORTLAND STATE ME ZIP 04106	CITY NEWPORT STATE RI ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY, CALL 800-643-8265
(BURMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	MARK J. RIELLY	[signature]	10-16-00
TRANSPORTER 1	William D. CRUZ	William D. Cruz	10-16-00
TRANSPORTER 2			
RECEIVED BY	JOHN W McGILP	John W McGilp	10/16/00

UMENT NO. 32431

WORK ORDER NO. MW27784

#283

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENV SERVICES, INC
EPA ID # MAD039322250
VEHICLE ID # 614080 ME
TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2
EPA ID #
VEHICLE ID #
TRANS. 2 PHONE

DESIGNATED FACILITY	SHIPPER
CLEAN HARBORS ENV SERVICES, INC	NAVAL STATION, NEWPORT, DIV 44
FACILITY EPA ID # MED[illegible]06721[illegible]2	SHIPPER EPA ID # RI1170024242
ADDRESS 37 BURNEY ROAD	ADDRESS I SIMONPIETRI DRIVE
CITY SOUTH PORTLAND STATE ME ZIP 04106	CITY NEWPORT STATE RI ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY, CALL 800-645-8265
(BURNER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	MARK RIELLY	Mark Rielly	10/18/00
TRANSPORTER 1	FRED SORRENTINO	Fred Sorrentino	10/18/00
TRANSPORTER 2			
RECEIVED BY	JOHN W McGILL	John W McGill	10/19/00

CHI 338

DOCUMENT NO. 32428

WORK ORDER NO. _____

STRAIGHT BILL OF LADING

#2131

TRANSPORTER 1 CLEAN HARBORS ENV SERVICES, INC
EPA ID # MAD039322250
VEHICLE ID # 04506168
TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2 _____
EPA ID # _____
VEHICLE ID # _____
TRANS. 2 PHONE _____

DESIGNATED FACILITY	SHIPPER
CLEAN HARBORS ENV SERVICES, INC	NAVAL STATION, NEWPORT, DIV AA
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # NY1170026242
ADDRESS 97 KINSLEY ROAD	ADDRESS 1 SIMONPIETRI DRIVE
CITY SOUTH PORTLAND STATE ME ZIP 04106	CITY NEWPORT STATE RI ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL; NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY, CALL 800-645-8265
(SUMMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	MARK J. RIELLY	Mark J. Rielly	10/23/00
TRANSPORTER 1	William D. Cruz	William D. Cruz	10/23/00
TRANSPORTER 2			DATE
RECEIVED BY	JOHN W McGILL		10/24/00

CHI 198

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DOCUMENT NO. 32425

WORK ORDER NO.

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENV SERVICES, INC
EPA ID # MAD039322250
VEHICLE ID # N 614088
TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2
EPA ID #
VEHICLE ID #
TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER		
CLEAN HARBORS ENV SERVICES, INC			NAVAL STATION, NEWPORT, DIV 44		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RI1170024242		
ADDRESS 37 RUMERY ROAD			ADDRESS 1 SIMONPIETRI DRIVE		
CITY SOUTH PORTLAND	STATE ME	ZIP 04106	CITY NEWPORT	STATE RI	ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

RECEIVED OCT 24 2000 HANN

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY, CALL 800-645-8265
(BURMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Renee Lavoie	Renee Lavoie	10/24/00
TRANSPORTER 1	William D Cruz	William D. Cruz	10/24/00
TRANSPORTER 2			
RECEIVED BY	John W McGill	John W McGill	10/24/00

CHI 110

DOCUMENT NO. 34311

WORK ORDER NO. MW281097

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS ENV SERVICES, INC
EPA ID # MAD039322250
VEHICLE ID # 1202/2129
TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2
EPA ID #
VEHICLE ID #
TRANS. 2 PHONE

DESIGNATED FACILITY	SHIPPER
CLEAN HARBORS ENV SERVICES, INC	NAVAL STATION, NEWPORT, DIV 44
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RI1170024242
ADDRESS 97 RUMERY ROAD	ADDRESS 1 SIMONPIETRI DRIVE
CITY SO PORTLAND STATE ME ZIP 04106	CITY NEWPORT, STATE RI ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY, CALL 800-645-8265 (BURMER ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Renee Lavoie	[signature]	
TRANSPORTER 1	JOHN FORTIN	[signature]	10/31/00
TRANSPORTER 2			
RECEIVED BY	Carl Boston	[signature]	10-31-00

EHI 198

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WORK ORDER NO. MW 26107

STRAIGHT BILL OF LADING

#283

TRANSPORTER 1 CLEAN HARBORS ENV SERVICES, INC
EPA ID # MAD039322250
VEHICLE ID # 2540A4 NY
TRANS. 1 PHONE 781-849-1800

TRANSPORTER 2
EPA ID #
VEHICLE ID #
TRANS. 2 PHONE

DESIGNATED FACILITY	SHIPPER
CLEAN HARBORS ENV SERVICES, INC	NAVAL STATION, NEWPORT, DIV 44
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RI1170024243
ADDRESS 37 RUMERY ROAD	ADDRESS 1 SIMONPIETRI DRIVE
CITY SO PORTLAND STATE ME ZIP 04106	CITY NEWPORT STATE RI ZIP 02841

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 X 6000	TT	N/A	A. NON DOT REGULATED MATERIAL, NON RCRA WATER, NON DOT HAZARDOUS, NONE, NONE	6000	GALLONS
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS IN CASE OF EMERGENCY, CALL 800-645-8265
(~~[illegible]~~)
(BUDMA ROAD PIPELINE PROJECT)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	MARK J. RIELLY	Mark J. Rielly	11-1-00
TRANSPORTER 1	William D. CRUZ	William D. Cruz	11-1-00
TRANSPORTER 2			
RECEIVED BY	Nicholas Keen	[illegible]	11/1/00

CHI 190

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS MATERIALS
One Winter Street Boston, Massachusetts 02108

TK 281

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: RI1170024243 — Manifest Document No.: 50920
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address: Naval Station Newport, Bldg 44, 1 Simonpietri Drive, Newport RI 02841
4. Generator's Phone: 401 841-1791
5. Transporter 1 Company Name: Clean Harbors Env. Services — US EPA ID Number: MAD039322250
6. Transporter 2 Company Name — US EPA ID Number
7. Designated Facility Name and Site Address: Clean Harbors Env. Services Inc., 37 Rimery Rd, So. Portland, Maine, 04106 — US EPA ID Number: MED980672182
8. State Manifest Document Number: MAM 678172
9. State Gen ID: SAME
10. State Trans. ID: 614088 me
11. Transporter's Phone: 781 849-1800
12. State Trans. ID
13. Transporter's Phone ( )
14. State Facility's ID: NOT REQUIRED
15. Facility's Phone: 207 772-2201

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. Waste Petroleum Oil, Combustible Liquid, NA1270, III	01	TT	6,000	G	R010
b.					
c.					
d.					

RECEIVED NOV 14 2000 WINN

GENERATOR

16. Additional Descriptions for Materials Listed Above (include physical state and hazard class)
a. c.
b. d.

17. Handling Codes for Wastes Listed Above
a. S02 c.
b. T34 d.

18. Special Handling Instructions and Additional Information: Incase of Emergency, Call 800-645-8265 (Burner Rd Pipeline Project)

19. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Renee Lavoie — Signature: Renee Lavoie — Date: Month 11 Day 14 Year 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: William D. Cruz — Signature: William D. Cruz — Date: Month 11 Day 14 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: EDWARD M. BLANCHARD — Signature: [signature] — Date: Month 11 Day 15 Year 00

Form approved OMB No. 2050-0039.
EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

In case of emergency or spill, immediately call the National Response Center (800) 424-8802.

MA M 678172 COPY>1: FACILITY MAILS TO DESTINATION STATE

COPY>1: FACILITY MAILS TO DESTINATION STATE

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS MATERIALS
One Winter Street Boston, Massachusetts 02108

TK 281

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: RI1170024243 — Manifest Document No.: 50920

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number: MAM 678172

B. State Gen. ID: 3AME

C. State Trans. ID: 614088 ME

D. Transporter's Phone: (781) 849-1800

E. State Trans. ID:

F. Transporter's Phone:

G. State Facility's ID: NOT REQUIRED

H. Facility's Phone: 207-772-2201

3. Generator's Name and Mailing Address: Naval Station Newport, Code 44, 1 Simonpietri Drive, Newport RI 02841

4. Generator's Phone: (401) 841-1791

5. Transporter 1 Company Name: Clean Harbors Env. Services — 6. US EPA ID Number: MAD039322250

7. Transporter 2 Company Name: — 8. US EPA ID Number:

9. Designated Facility Name and Site Address: Clean Harbor Env. Services Inc., 37 Rumery Rd, So. Portland, Maine, 04106 — 10. US EPA ID Number: MED980672182

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. Waste petroleum oil, Combustible Liquid, NA1270, III	01	TT	6,000	G	R010
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code.)

a. c.

b. d.

K. Handling Codes for Wastes Listed Above

a. c.

b. d.

15. Special Handling Instructions and Additional Information: In case of Emergency, Call 800-645-8265 (Burmer Rd Pipeline Project)

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: (X) Renee Lavoie — Signature: Renee Lavoie — Date: Month 11 Day 14 Year 00

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: William D. Cruz — Signature: William D. Cruz — Date: Month 11 Day 14 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: — Signature: — Date: Month Day Year

GENERATOR — TRANSPORTER — FACILITY

In case of emergency or spill, immediate the National Response Center (800) 424-8802.

MA M 678172 COPY>1: FACILITY MAILS TO DESTINATION STATE

Form approved OMB No. 2050-0039.
EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY>1: FACILITY MAILS TO DESTINATION STATE

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS MATERIALS
One Winter Street Boston, Massachusetts 02108

Tel 311

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. MAD 980 732 183 — EX1170024243
2. Page 1 of 1 — Information in the shaded area is not required by Federal law
A. State Manifest Document Number: MAM 523586
B. State Gen ID: [illegible]
3. Generator's Name and Mailing Address: NAVAL STATION NEWPORT, CODE 44, 1 SIMONPIETRI DRIVE, NEWPORT, RI 02841
4. Generator's Phone: (401) 841-1791
C. State Trans. ID: ME [illegible]
5. Transporter 1 Company Name: CLEAN HARBORS ENV SERVICES, INC — 6. US EPA ID Number: MAD039377250
D. Transporter's Phone: (781) 849-1800
7. Transporter 2 Company Name — 8. US EPA ID Number
E. State Trans. ID
9. Designated Facility Name and Site Address: CLEAN HARBORS ENV SERVICES, INC, 37 HINCKLEY ROAD, SO PORTLAND, ME 04106 — 10. US EPA ID Number: MED980672182
F. Transporter's Phone: ( )
G. State Facility's ID: NOT REQUIRED
H. Facility's Phone: (207) 772-2281

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. WASTE PETROLEUM OIL; COMBUSTIBLE LIQUID NA1270, PGIII	01	TT	5168	G	R010
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
K. Handling Codes for Wastes Listed Above: a. S02 b. T34

15. Special Handling Instructions and Additional Information: IN CASE OF EMERGENCY, CALL 800-645-8265 (~~TANK FARM #3 PROJECT~~) Pipeline

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
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Printed/Typed Name: x RENEE LAVOIE — Signature: x [signature] — Date: Month 11 Day 16 Year 00

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: BOB WEST — Signature: [signature] — Date: Month 11 Day 16 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JOHN M McGUP — Signature: [signature] — Date: 11/17/00

Form approved. OMB No. 2050-0039.
EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

GENERATOR — TRANSPORTER — FACILITY

COPY>1: FACILITY MAILS TO DESTINATION STATE

MA M 523586 COPY>1: FACILITY MAILS TO DESTINATION STATE

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS MATERIALS
One Winter Street Boston, Massachusetts 02108

TRL 311

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: RI1170024243 — Manifest Document No.: 50705 / 23586
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVAL STATION NEWPORT, CODE 44
I SIMONPIETRI DRIVE
NEWPORT, RI 02841

4. Generator's Phone (401) 841-1791

5. Transporter 1 Company Name: CLEAN HARBORS ENV SERVICES, INC — 6. US EPA ID Number: MAD039322250

7. Transporter 2 Company Name — 8. US EPA ID Number:

9. Designated Facility Name and Site Address
CLEAN HARBORS ENV SERVICES, INC
37 RUMERY ROAD
SO PORTLAND, ME 04106

10. US EPA ID Number: MAD980672182

A. State Manifest Document Number: MA M 523586
B. State Gen ID: Same
C. State Trans ID: ME 6411101
D. Transporter's Phone: (781) 849-1800
E. State Trans ID:
F. Transporter's Phone:
G. State Facility's ID: NOT REQUIRED
H. Facility's Phone: (207) 772-2291

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. WASTE PETROLEUM OIL; COMBUSTIBLE LIQUID NA1270, PGIII	01	TT	5168	G	R010
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code.)
a.
b.

K. Handling Codes for Wastes Listed Above
a.
b.

15. Special Handling Instructions and Additional Information: IN CASE OF EMERGENCY, CALL 800-645-8265
~~(TANK FARM #3 PROJECT)~~ Pipe Line

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: X RENEE LAVOIE — Signature: X Renee Lavoie — Date: Month 11 Day 16 Year 00

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: BOB WEST — Signature: Bob West — Date: Month 11 Day 16 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Date: Month Day Year

GENERATOR — TRANSPORTER — FACILITY

In case of emergency or spill, immediately c... e National Response Center (800) 424-8802.

MA M 523586 COPY>1: FACILITY MAILS TO DESTINATION STATE

Form approved OMB No. 2050-0039.
EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY>1: FACILITY MAILS TO DESTINATION STATE

PIPELINE SOLIDS

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS MATERIALS
One Winter Street
Boston, Massachusetts 02108

7679

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator US EPA ID No.: RI117002424 3 — Manifest Document No.: 50[illegible]

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: NAVAL STATION NEWPORT, 1 SIMONPIETRI DRIVE - 44, NEWPORT, RI 02841-1711

4. Generator's Phone (401) 841-1791

5. Transporter 1 Company Name: WASTE MANAGEMENT N.E.E.T., INC.

6. US EPA ID Number: CTD983896341

7. Transporter 2 Company Name:

8. US EPA ID Number:

9. Designated Facility Name and Site Address: JONES ENVIRONMENTAL SERVICES (NE), 263 HOWARD STREET, LOWELL, MA 01852

10. US EPA ID Number: MAD047075734

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. RQ, HAZARDOUS WASTE SOLID, N.O.S. (D008) 9, NA3077, PGIII (LEAD)	002	DM	11600	P
b. STATE REGULATED OILY SOLID	0018	DM	11600	P
c.				
d.				

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)
LEAD DUST [illegible]
OILY SOLIDS

K. Handling Codes for Wastes Listed Above
[illegible]

15. Special Handling Instructions and Additional Information
EMERGENCY PHONE # 1-800-585-7916 — 11A) ERG # 171 — FB # 105250
LOAD 2 X 55 GAL DRUMS [illegible] — 11B) ERG # N/A

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: RENEE LAVOIE — Signature: Renee Lavoie — Date: Month 11 Day 16 Year 00

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: NPAL Levine — Signature: [signature] — Date: Month 11 Day 16 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: [illegible] — Signature: [illegible] — Date: Month 11 Day 16 Year 00

GENERATOR — TRANSPORTER — FACILITY

In case of emergency or spill, immediately call the National Response Center (800) 424-8802.

MA M119781 COPY>5: TRANSPORTER 1 RETAINS

Form Approved OMB No. 2050-0039
EPA Form 8700-22 (Rev. 9-94) Previous editions are obsolete

COPY>5: TRANSPORTER 1 RETAINS

APPENDIX H

SOIL SAMPLE DATA SHEETS

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 8/23/00

Location : Newport, RI — Recorded by: J Holden

Client : U. S. Navy - Northern Division

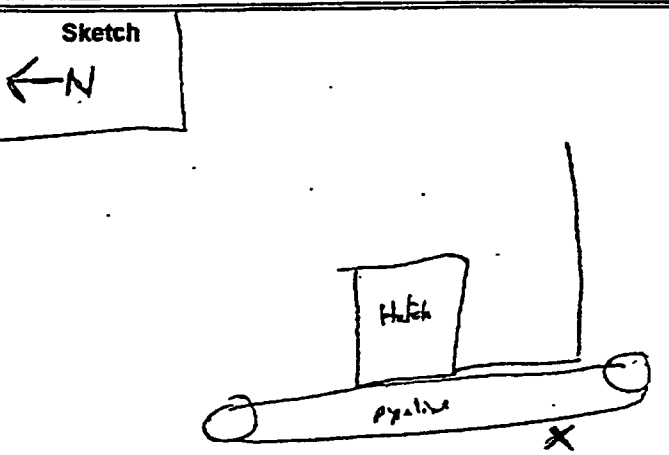
From Chamber : E1 — Sample Depth 6 ft bgs

Time Collected : 1510

Analysis :		
	VOCs (methanol and Sodium bisulfate)	3 voa vials
	SVOCs (Method 8270)	8oz
	TAL Metals	
	TPH (method 418.1)	8oz
	TPH (method 8015)	

dAR Headspace = 0

Sketch



Sample #

NAVSTA-CS-VE1-01

pipe is outside chamber

Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

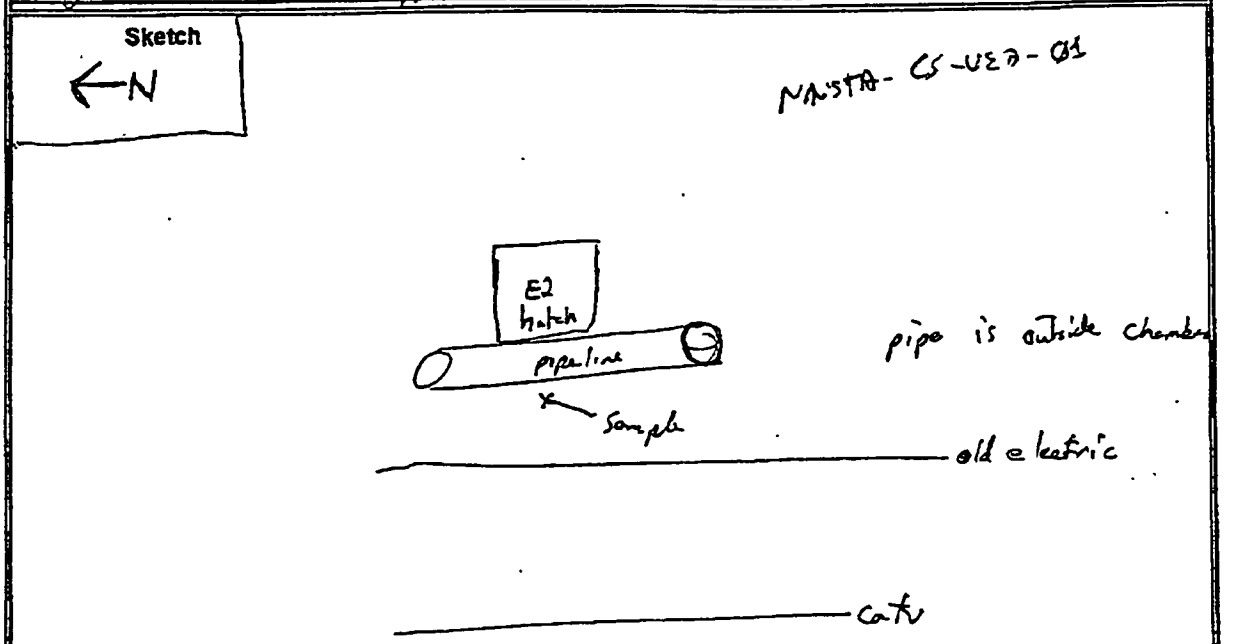
Date : 8/23/00
Recorded by: J Holden

From Chamber : E2 Sample Depth 6.5' ft bgs
Time Collected : 1535

Analysis :		
	VOCs (methanol and Sodium bisulfate)	3 Voa Vials
	SVOCs (Method 8270)	8oz
	TAL Metals	
	TPH (method 418.1)	8oz
	TPH (method 8015)	

for Headspace = 0 ppm

Sketch



Sample ID scheme :

NAVSTA-CS-VE1-01
CS = confirmation sample
VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 9/19/00

Location : Newport, RI — Recorded by: Holder

Client : U. S. Navy - Northern Division

From Chamber : E-3 — Sample Depth ~8' ft bgs

Time Collected : 1540

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

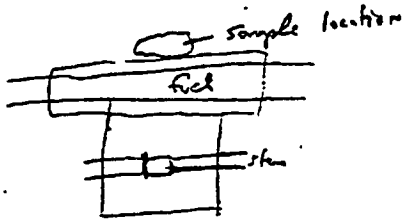
Screening Result : 0 PPMV

Sketch

North ←

Sample ID : NAVSTA-CS-VE3-01

No oil present,
no drainage present



Brian RA

Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 9/5/00
Recorded by: J Holden

From Chamber : A-3
Time Collected : 14:00

Sample Depth ft bgs

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : 0 PPMV

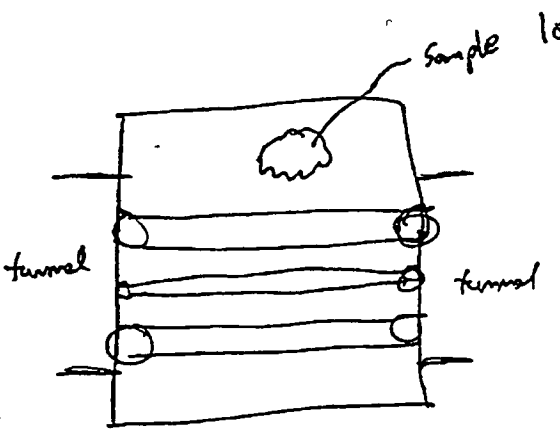
Sketch
North

Sample ID : NAVSTA-CS-VA3-01

VOCs
Collected 3"
below soil surface

- hammer hole through
Concrete w/ 3000 lb
hammer

-pipes are inside tunnel/chamber



Sample ID scheme :

NAVSTA-CS-VE1-01
CS = confirmation sample
VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 9/28/00

Location : Newport, RI — Recorded by: Holder

Client : U. S. Navy - Northern Division

From Chamber : E4 — Sample Depth 10' ft bgs

Time Collected : 0900

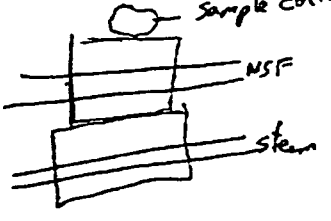
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : 0.2 PPMV

Sketch

North ←

Sample ID : NAUSTA-CS-VE4-01



Burma Rd

no oil present
no drains present.

Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 9/7/00 / 1300

Location : Newport, RI — Recorded by: Holder

Client : U. S. Navy - Northern Division

From Chamber : ~~A3~~ A4 — Sample Depth ~9' ft bgs

Time Collected : 13:00

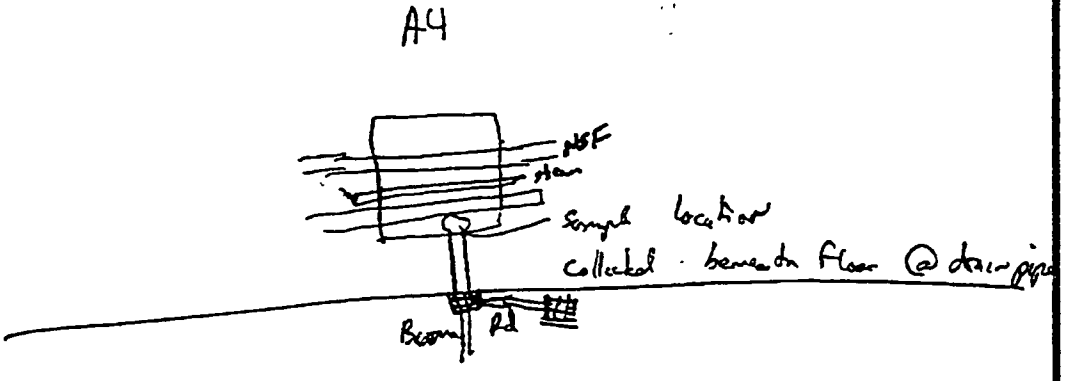
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : 0.5 PPMV

Sketch

North ←

Sample ID : NAVSTA-CS-VA4-01



no oil in chamber

Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 9/25/00

Location : Newport, RI — Recorded by: [illegible]

Client : U. S. Navy - Northern Division

From Chamber : E5 — Sample Depth ~10.5 ft bgs

Time Collected : 0930

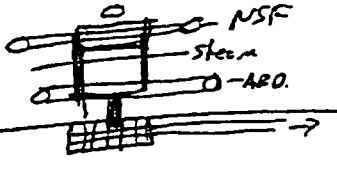
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : 0.3 PPMV

Sketch

North ←

Sample ID : NAVSTA-CS-UE5-01



BARMA RD

no oil present
no material in drain.
Sample next to pipeline chamber

Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 9/7/00

Location : Newport, RI — Recorded by: Holden

Client : U. S. Navy - Northern Division

From Chamber : A-5 — Sample Depth — ft bgs

Time Collected : 1540

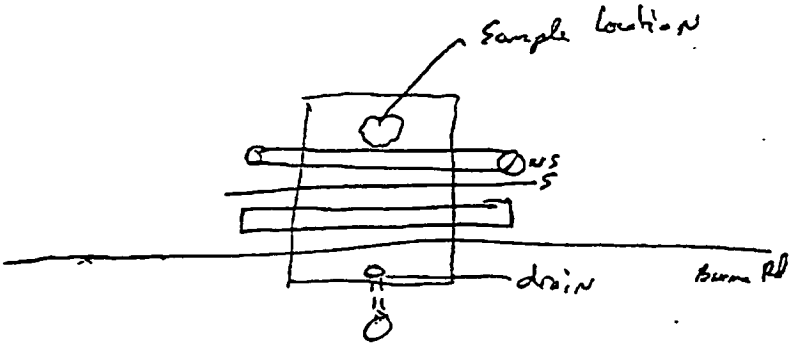
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : PPMV

Sketch

North ←

Sample ID : NAVSTA-CS-VA5-01



no oil in chamber

Sample ID scheme :

Sample Collected

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

E6

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : _____

Location : Newport, RI — Recorded by: _____

Client : U. S. Navy - Northern Division

From Chamber : — Sample Depth — ft bgs

Time Collected :

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : PPMV

Sketch
North

Sample ID : NA

E6 - Destroyed, Video inspected

Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

AE6

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : _____

Location : Newport, RI — Recorded by: _____

Client : U. S. Navy - Northern Division

From Chamber : — Sample Depth — ft bgs

Time Collected :

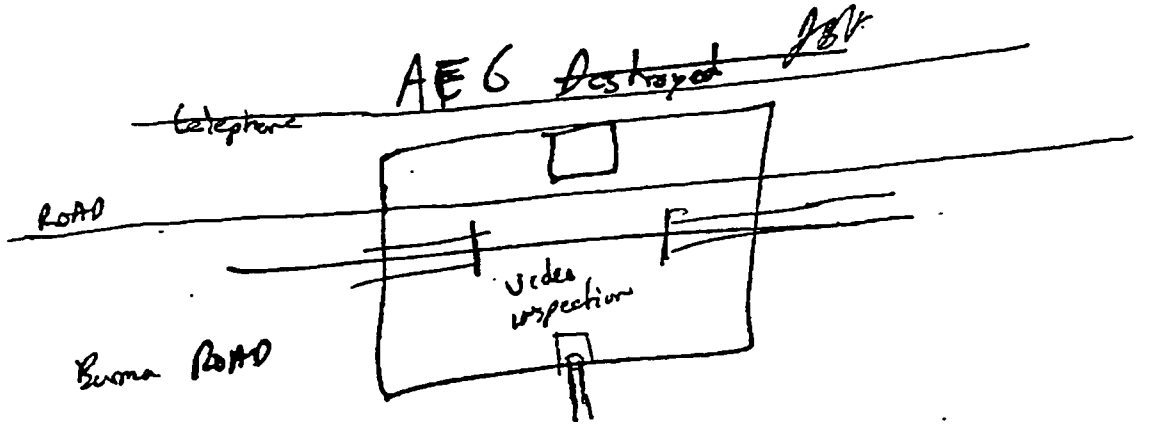
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : PPMV

Sketch

North ←

Sample ID : _____



Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

A6

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : _____

Location : Newport, RI — Recorded by: _____

Client : U. S. Navy - Northern Division

From Chamber : — Sample Depth — ft bgs

Time Collected :

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : PPMV

Sketch
North

Sample ID : _____

A6 Destroyed ; Video inspected

Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 09-19-2000
Recorded by: John LANE

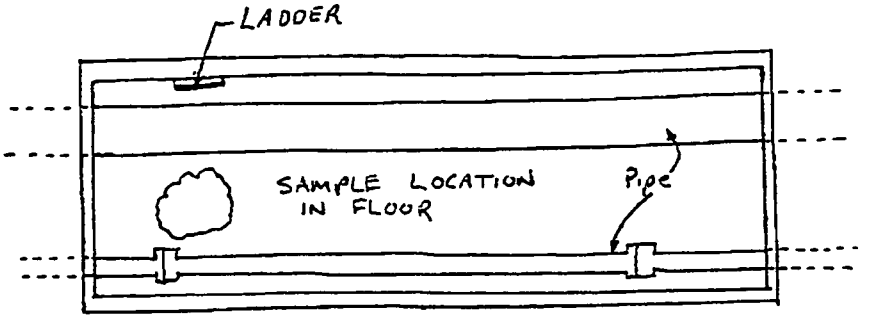
From Chamber : E-7
Sample Depth ~ 2' into Soils ft bgs
Time Collected : 1335

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : Ø PPMV

Sketch
North
← N

Sample ID : NAVSTA-CS-VE7-01



Sample ID scheme : NAVSTA-CS-VE7-01
VAULT # VE-7

NAVSTA-CS-VE1-01
CS = confirmation sample
VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 09-12-2000

Location : Newport, RI — Recorded by: E. URBANEK

Client : U. S. Navy - Northern Division

From Chamber : A7 — Sample Depth — ft bgs

Time Collected : 0730

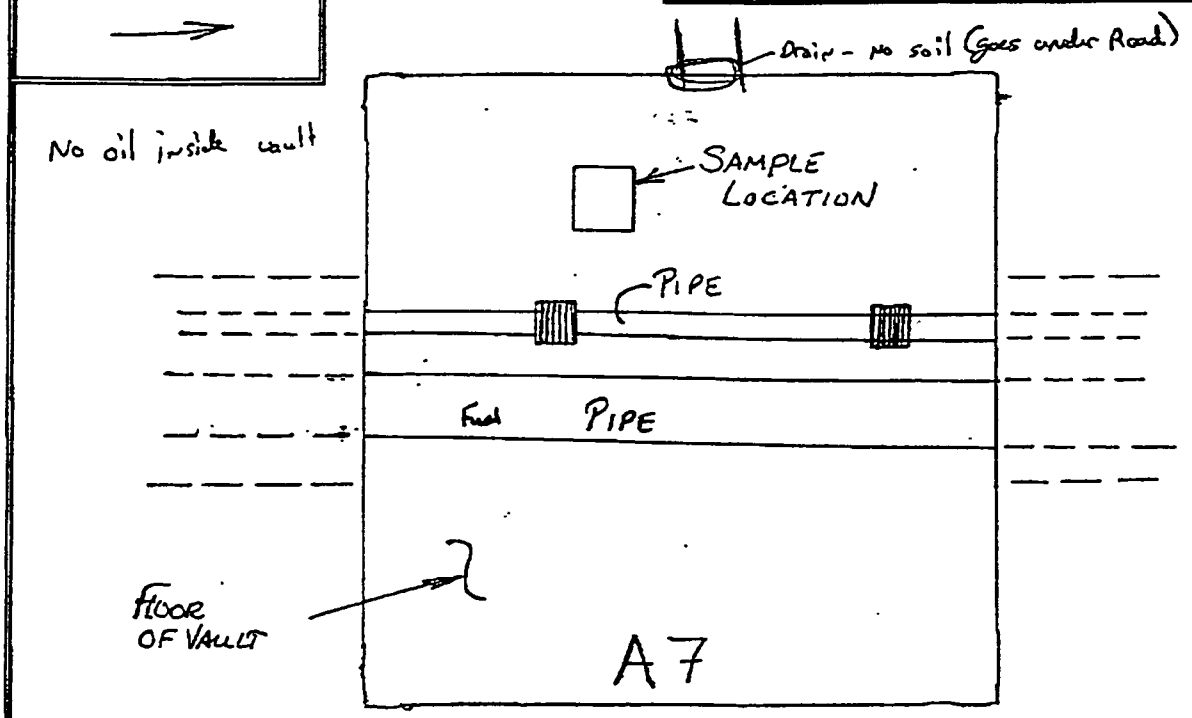
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : Ø PPMV

Sketch

North →

Sample ID : NAVSTA - CS - VA7 - 01



Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 09-12-2000

Location : Newport, RI — Recorded by: E. URBANEK

Client : U. S. Navy - Northern Division

From Chamber : E-8 — Sample Depth — ft bgs

Time Collected : 0830

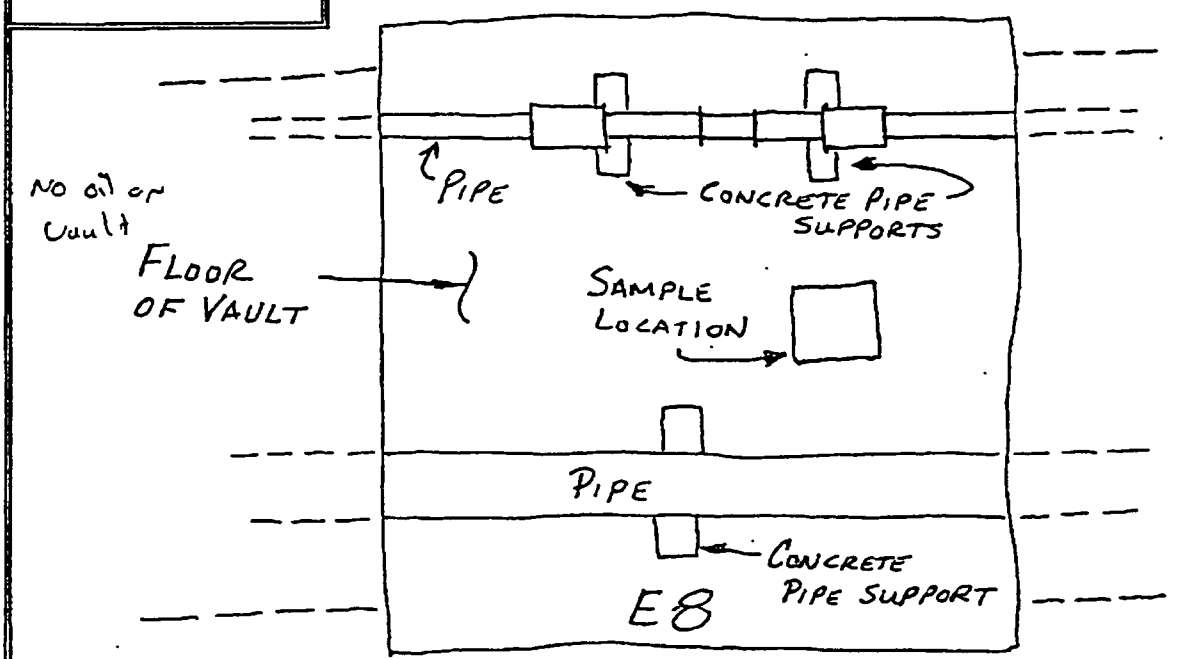
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : 0.2 PPMV

Sketch

North →

Sample ID : NAVSTA-CS-VE8-01



Sample ID scheme :

→ Water flowing south out of tunnel

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 9/11/00

Location : Newport, RI — Recorded by: Holden

Client : U. S. Navy - Northern Division

From Chamber : A8 — Sample Depth ~18' bgs ft bgs

Time Collected : 1310

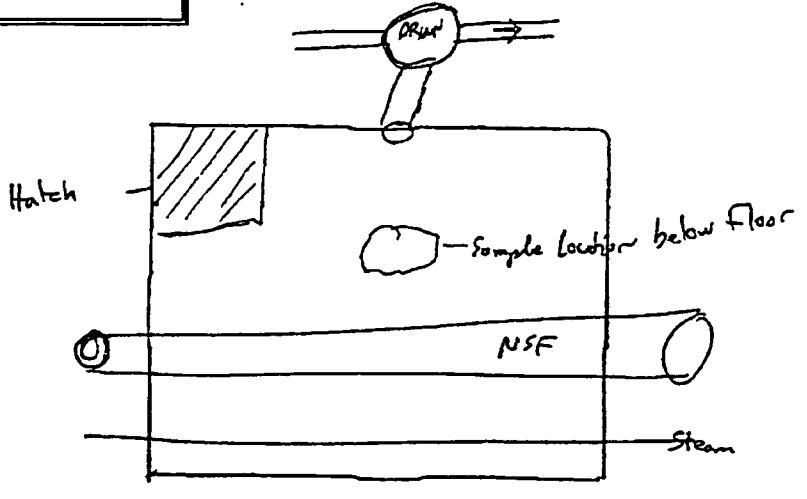
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : 0.2 PPMV

Sketch

North ←

Sample ID : NAVSTA-CS-VA8-01



A-8

Boston Rd

Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 09-13-2000

Location : Newport, RI — Recorded by: Ed URBANEK

Client : U. S. Navy - Northern Division

From Chamber : E9 — Sample Depth — ft bgs

Time Collected : 1600

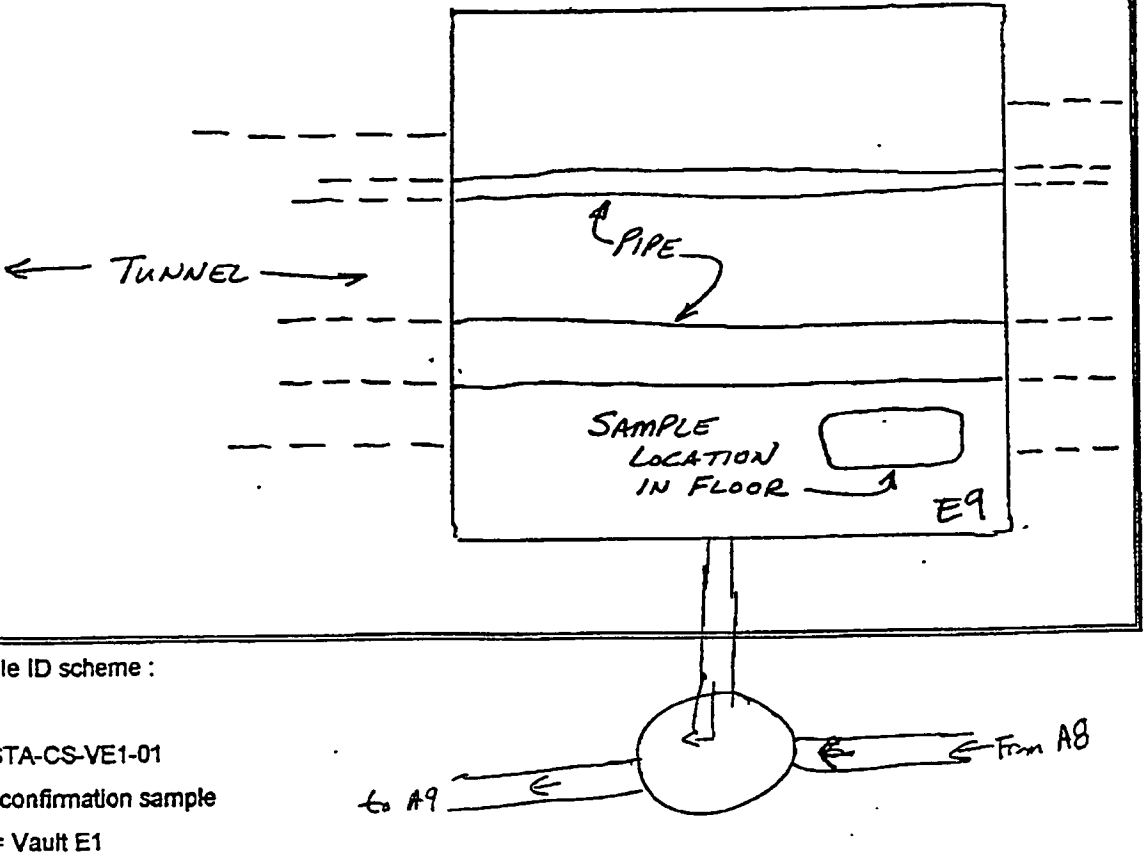
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : PPMV

Sketch

North →

Sample ID : NAVSTA-CS-VE9-01



Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 9-13-2000

Location : Newport, RI — Recorded by: Ed Urbaner

Client : U. S. Navy - Northern Division

From Chamber : A 9 — Sample Depth — ft bgs

Time Collected : 1345

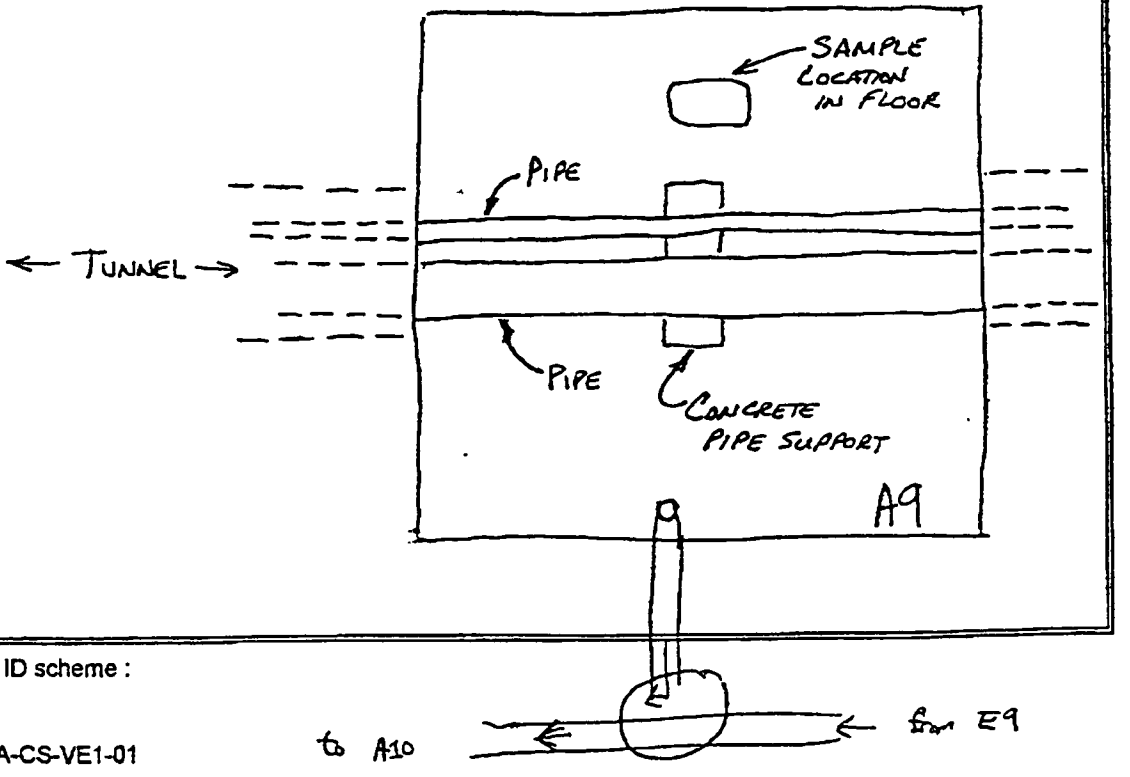
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : 0.4 PPMV

Sketch

North →

Sample ID : NAVSTA-CS-VA9-01



Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 09-13-2000

Location : Newport, RI — Recorded by: Ed URBANEK

Client : U. S. Navy - Northern Division

From Chamber : E-10 — Sample Depth — ft bgs

Time Collected : 1315

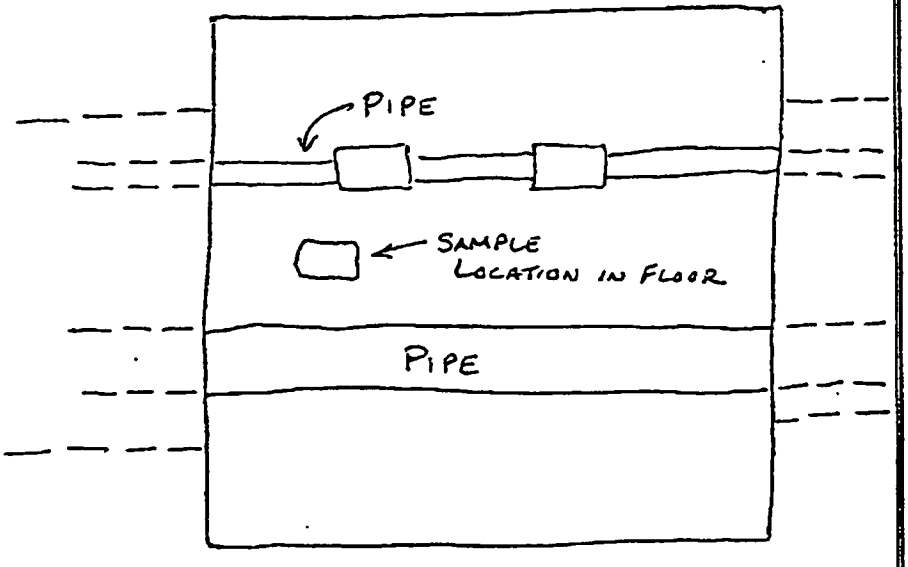
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : PPMV

Sketch

North →

Sample ID : NAVSTA-CS-VE10-01

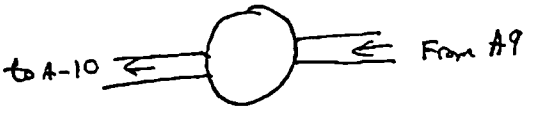


Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1



SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 9-28-00

Location : Newport, RI — Recorded by: JOHN LANE

Client : U. S. Navy - Northern Division

From Chamber : A-10 — Sample Depth — ft bgs

Time Collected : 1445

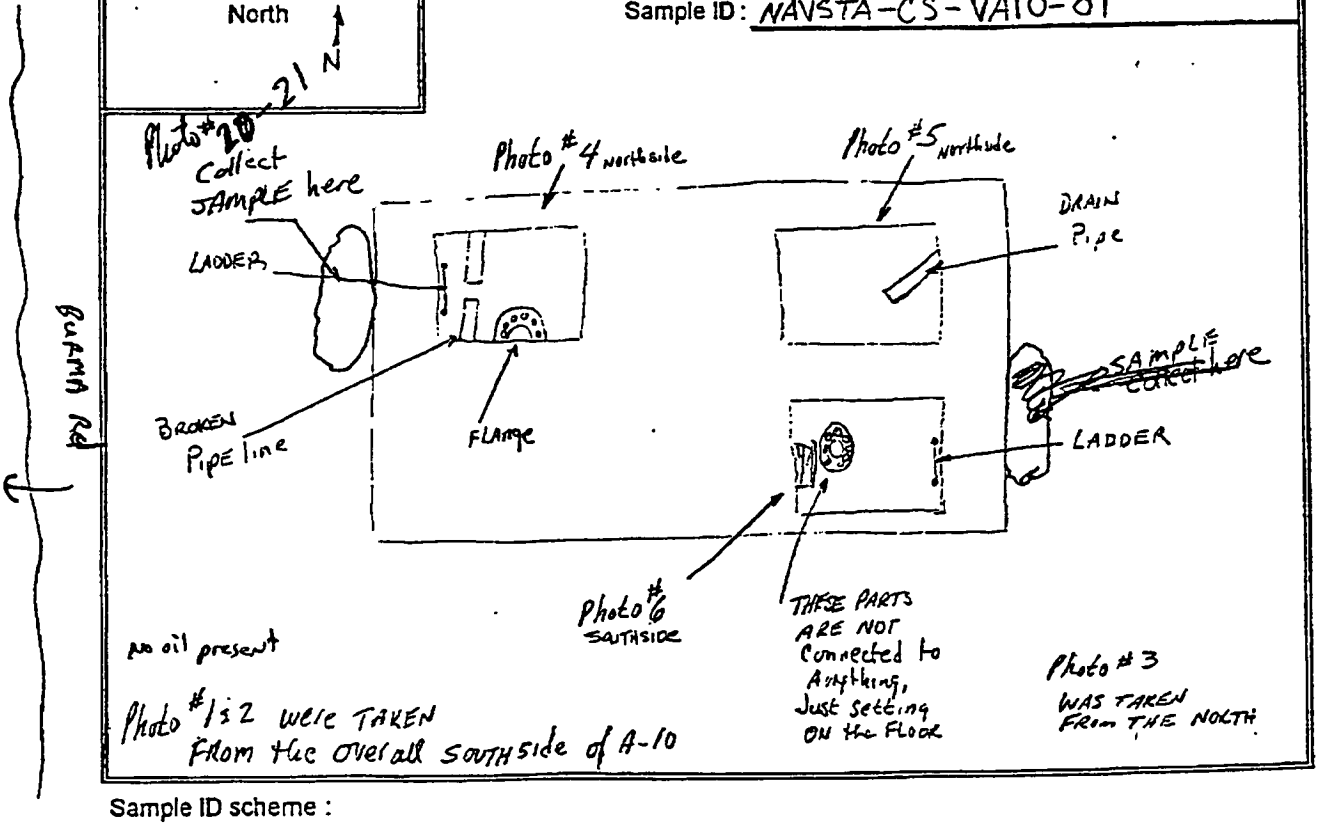
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : ∅ PPMV

Sketch

North ↑ N

Sample ID : NAVSTA-CS-VA10-01



Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

E 11

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 10/4/00

Location : Newport, RI — Recorded by: [illegible]

Client : U. S. Navy - Northern Division

From Chamber : — Sample Depth — ft bgs

Time Collected :

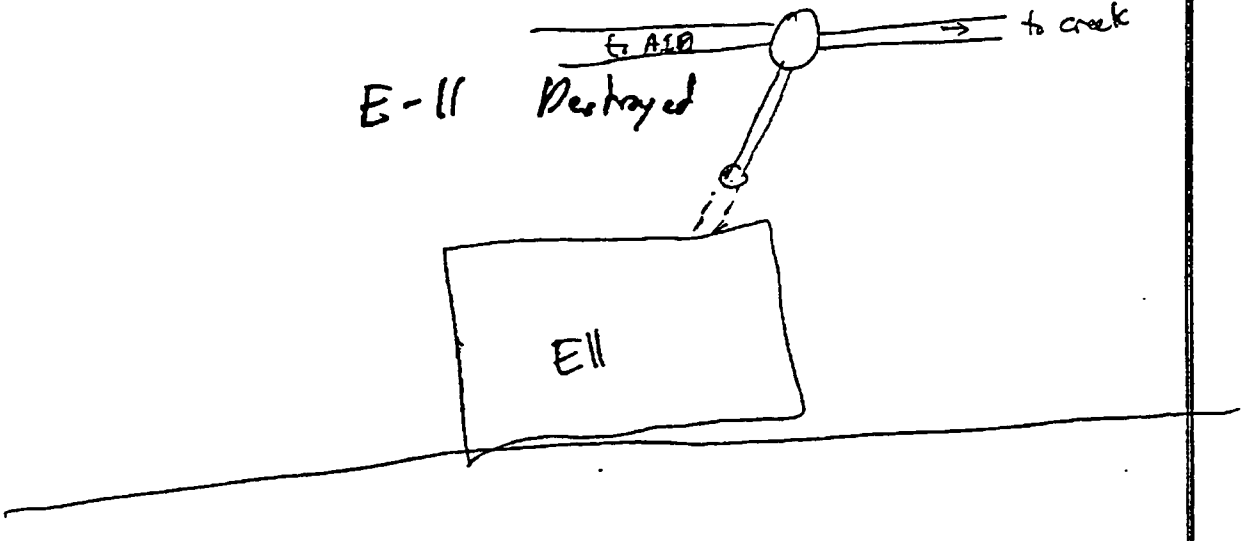
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : PPMV

Sketch

North ←

Sample ID : NO Sample



Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 9-20-00
Recorded by: J. Lane

From Chamber : A-11
Time Collected : 1455

Sample Depth ft bgs

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : Ø PPMV

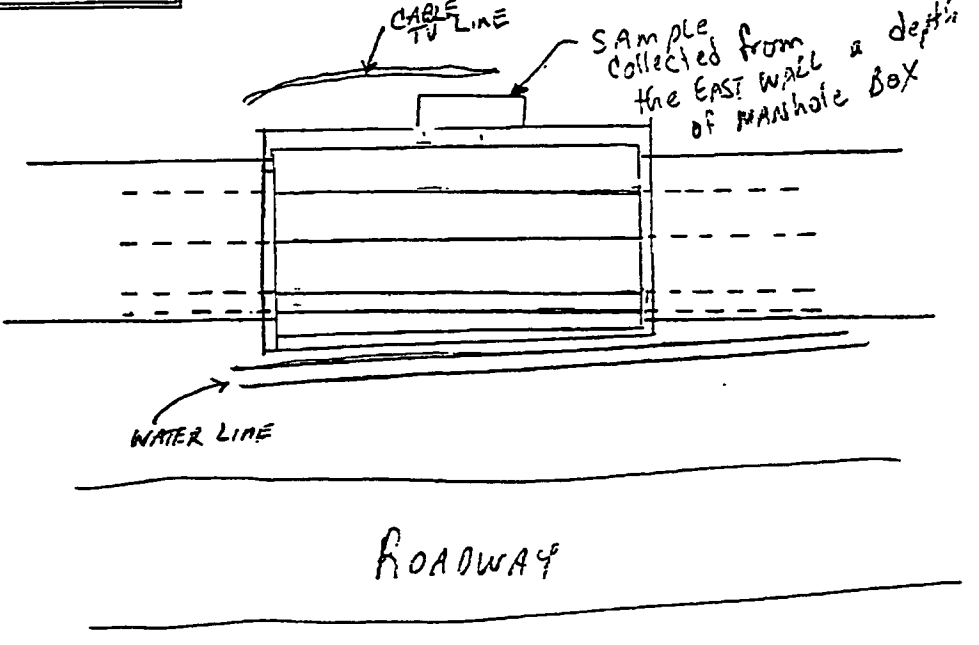
Sketch

North

← N

Sample ID : NAVSTA-CS-VA11-01

Photo #5



Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 9-20-00

Location : Newport, RI — Recorded by: JOHN LANE

Client : U. S. Navy - Northern Division

From Chamber : E-12 — Sample Depth — ft bgs

Time Collected : ~~1730~~ 1330

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

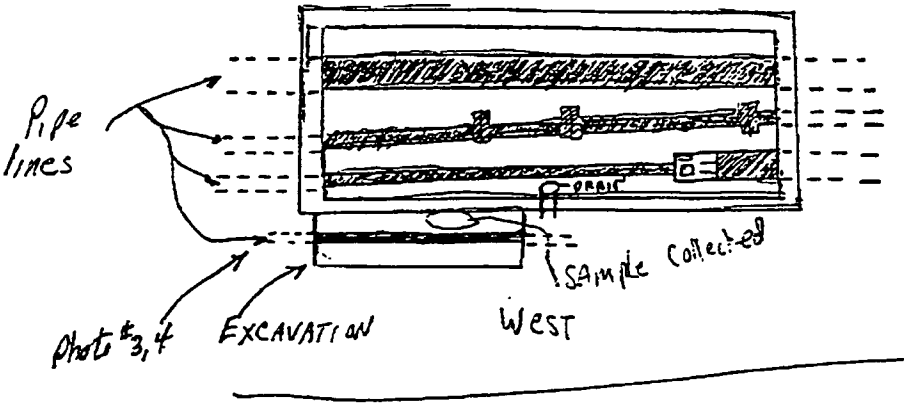
Screening Result : Ø PPMV

Sketch

North

N ←

Sample ID : NAVSTA-CS-VE12-01



Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 9-20-00
Recorded by: J. Lane

From Chamber : A-12 Sample Depth ft bgs

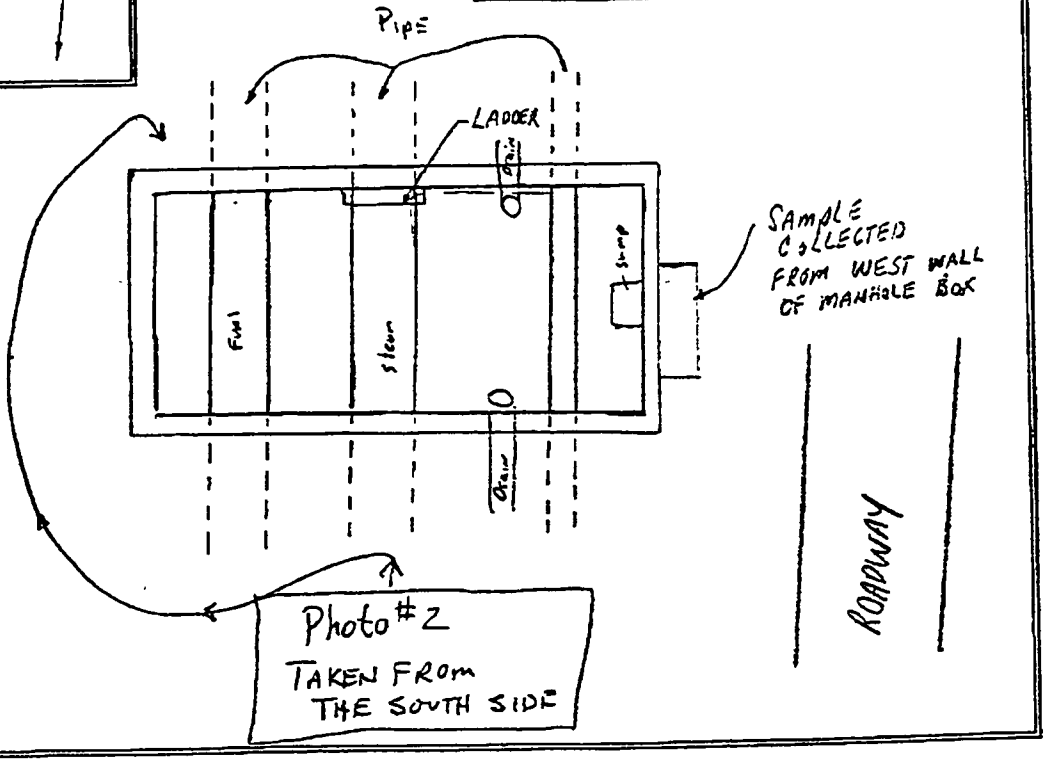
Time Collected : 1520

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : 0 PPMV

Sketch North

Sample ID : NAVSTA-CS-VA12-01



Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 9-21-00
Recorded by: J. Lane

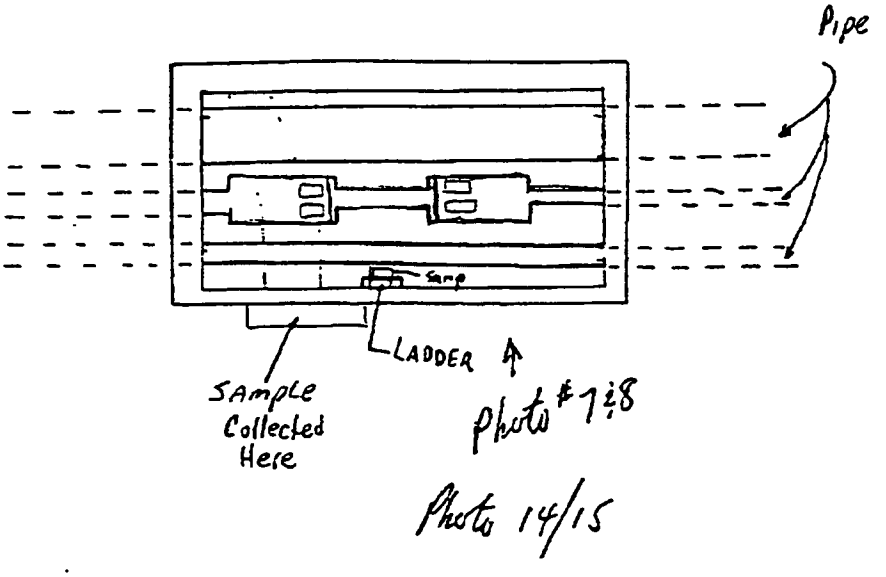
From Chamber : E-13 Sample Depth ft bgs
Time Collected : 1345

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : PPMV

Sketch
North
← N

Sample ID : NAVSTA-CS-VE13-01



Sample ID scheme :

NAVSTA-CS-VE1-01
CS = confirmation sample
VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 9-21-00
Recorded by: J. Lane

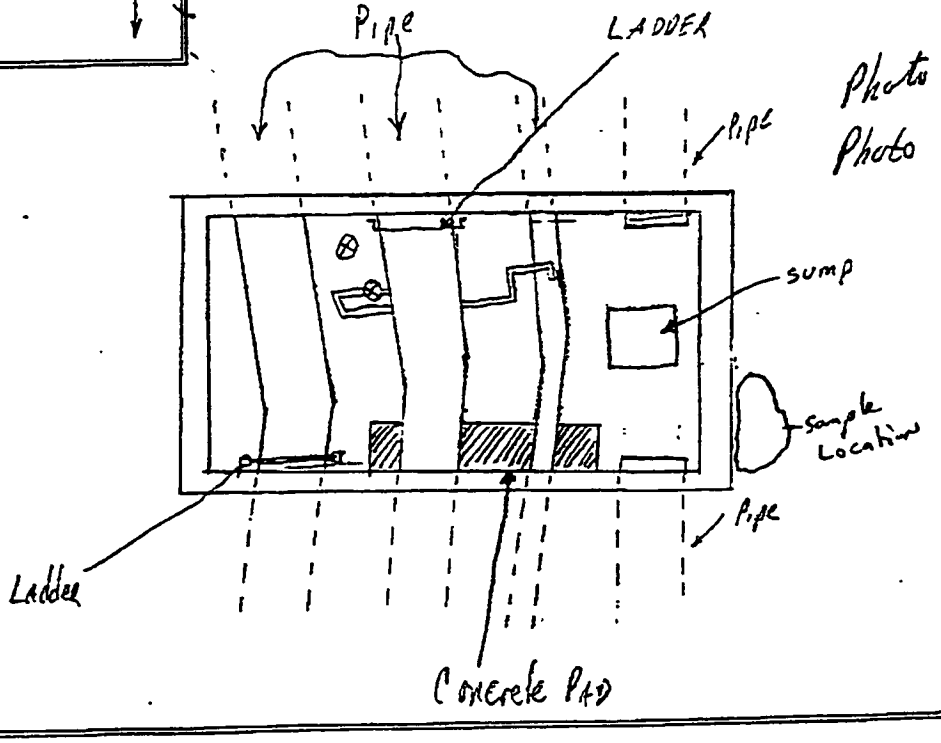
From Chamber : A-13 Sample Depth ft bgs
Time Collected : ~~1315~~ 1320

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : 22.1 PPMV Spikes/ wood was noticed in Excavation

Sketch
North

Sample ID : NAVSTA-CS-VA13-01



Sample ID scheme :

NAVSTA-CS-VE1-01
CS = confirmation sample
VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : ~~09-[illegible]-2000~~ 9/21/2000
Recorded by: J. Lane

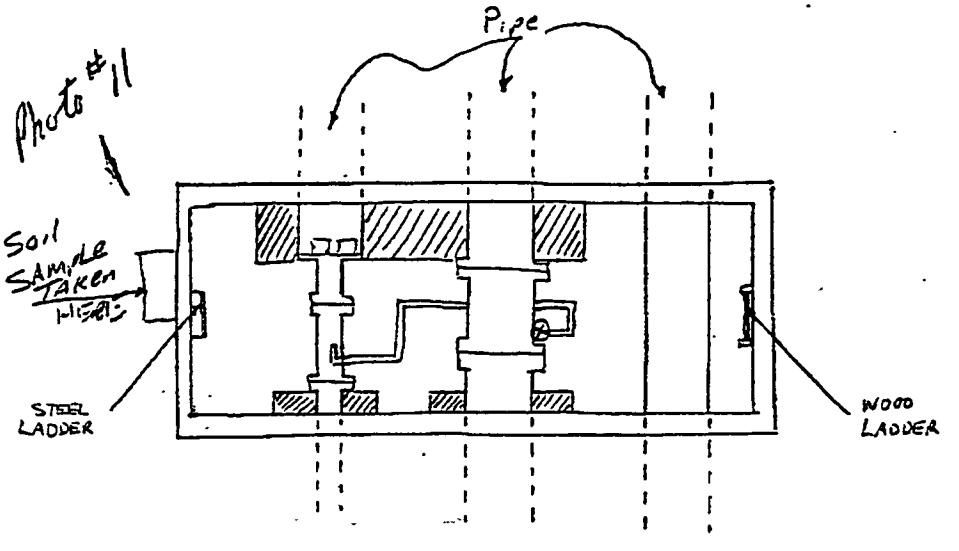
From Chamber : E-14 Sample Depth ft bgs
Time Collected : 1300

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : Ø PPMV

Sketch
North
N

Sample ID : NAVSTA-CS-VE14-01



NOTE: TIGHT WORK AREA FOR HAMMER to PLACE A hole in the FLOOR ~ ½" of water

Sample ID scheme : NAVSTA-CS-VE14-01
VAULT # VE-14

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : ~~09-2000~~ 9/28/00
Recorded by: John Lane

From Chamber : A-14
Time Collected : 1405

Sample Depth ft bgs

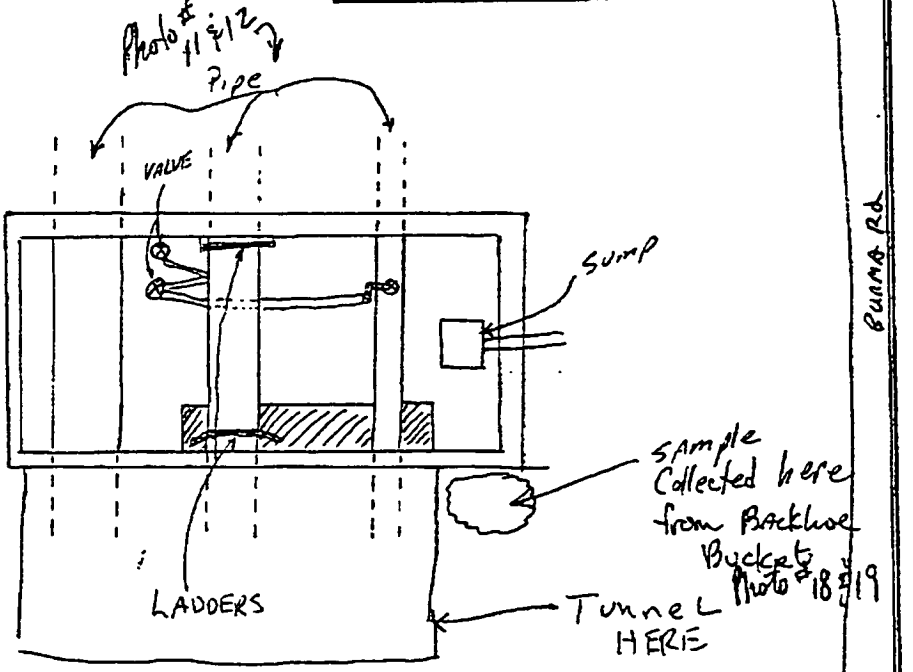
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : Ø PPMV

Sketch

North N

Sample ID : NAVSTA-CS-VA14-01



No oil present
ABOUT 6" OF WATER IS ON THE FLOOR

Sample ID scheme : NAVSTA-CS-VA14-01

NAVSTA-CS-VE1-01
CS = confirmation sample
VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 9-28-00

Location : Newport, RI — Recorded by: JOHN LANE

Client : U. S. Navy - Northern Division

From Chamber : E-15 — Sample Depth — ft bgs

Time Collected : 1235

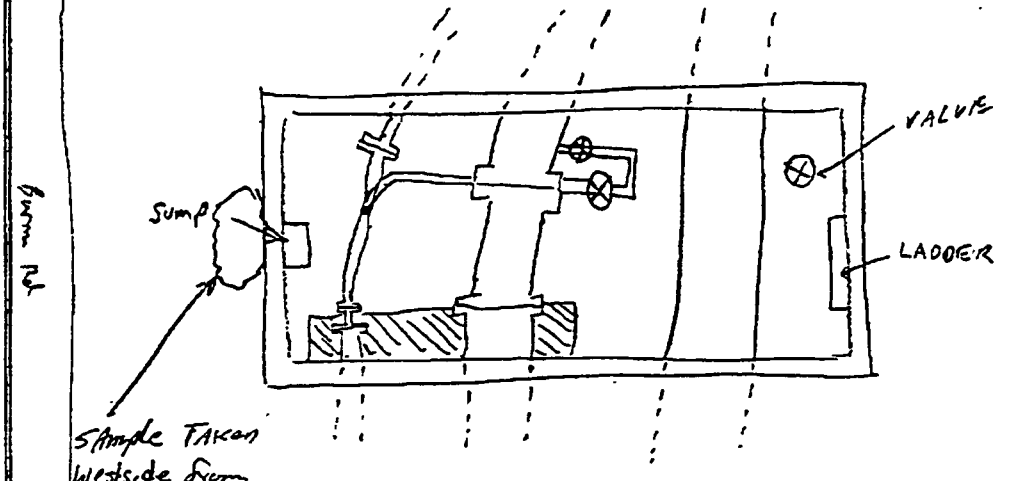
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : ∅ PPMV

Sketch

North N

Sample ID : NAVSTA-CS-VE15-01



Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date: 9-28-00
Recorded by: JOHN LANE

From Chamber: A-15
Sample Depth ~ 4-5 ft bgs
Time Collected: 1210

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result: 0 PPMV

Sketch
North N

Sample ID: NAVSTA - CS - VA15 - 01

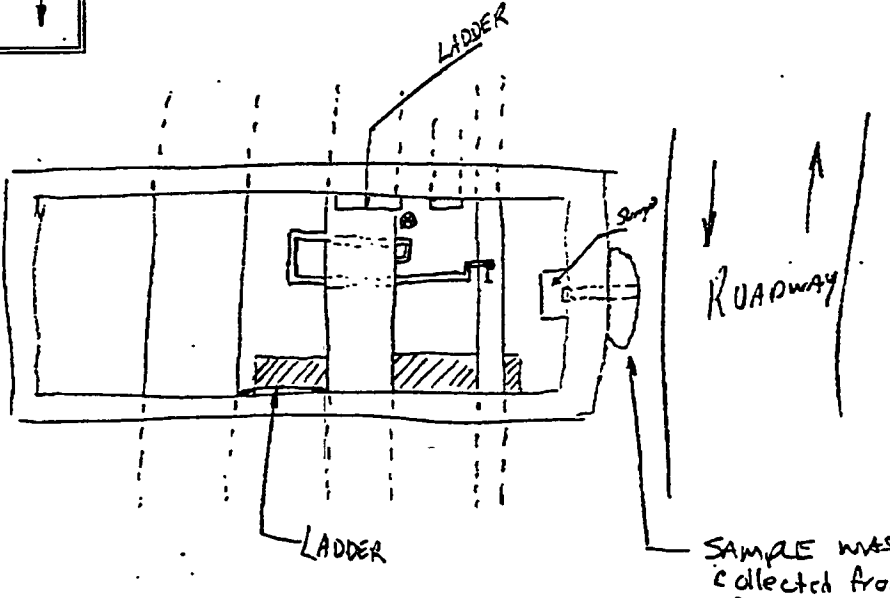


PHOTO #14 & 15 WERE TAKEN FROM THE NORTHSIDE OF A-15 CHAMBER

Sample ID scheme :

NAVSTA-CS-VE1-01
CS = confirmation sample
VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 10-30-00

Location : Newport, RI — Recorded by: J. LANE

Client : U. S. Navy - Northern Division

From Chamber : E-16 — Sample Depth Below Chamber ft bgs

Time Collected : 1435

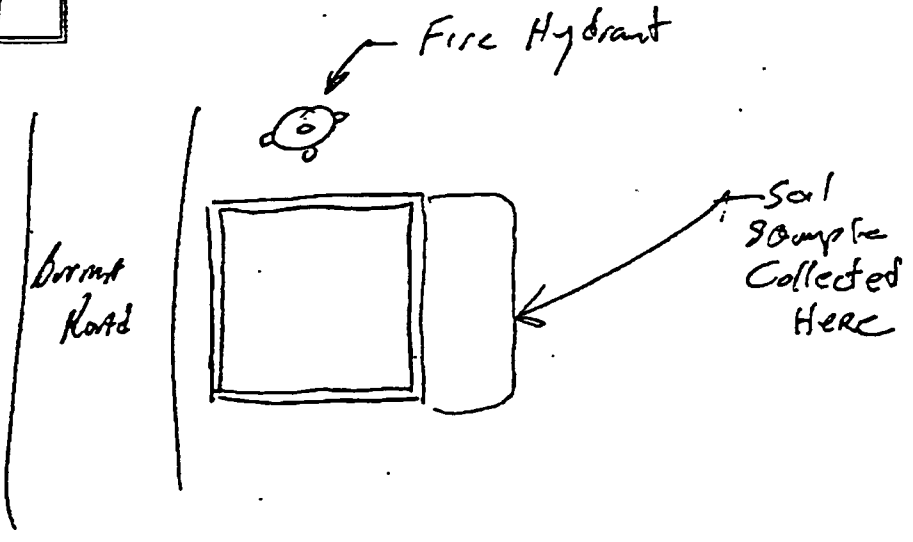
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : Ø PPMV

Sketch

North

Sample ID : NAVSTA-CS-VE16-01



Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

Photo # 5

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 10-30-00
Recorded by: J. Lane

From Chamber : E-22
Sample Depth Below Chamber ft bgs

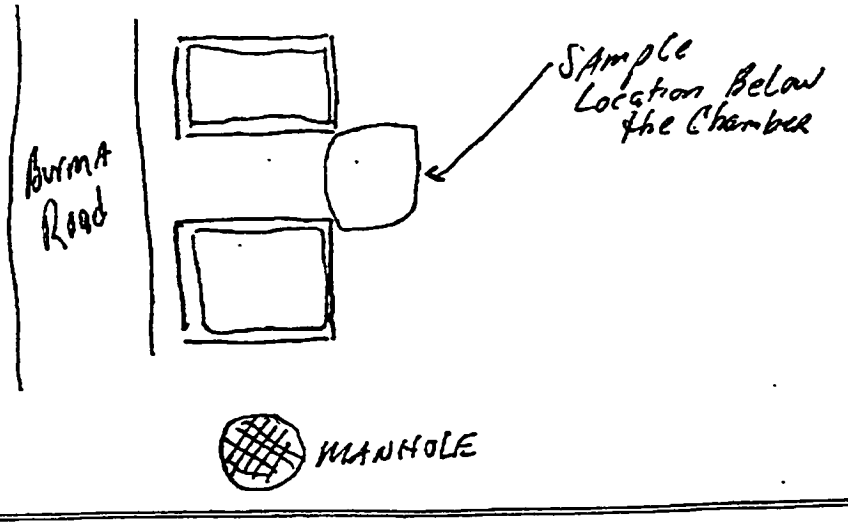
Time Collected : 1510

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : 2.39 PPMV

Sketch
North

Sample ID : NAVSTA-CS-VE22-01



Sample ID scheme :

NAVSTA-CS-VE1-01
CS = confirmation sample
VE1 = Vault E1

Photo # 6 Shows the Sample Location

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 11/6/00
Recorded by: Holder

From Chamber : A16 Sample Depth ft bgs

Time Collected :

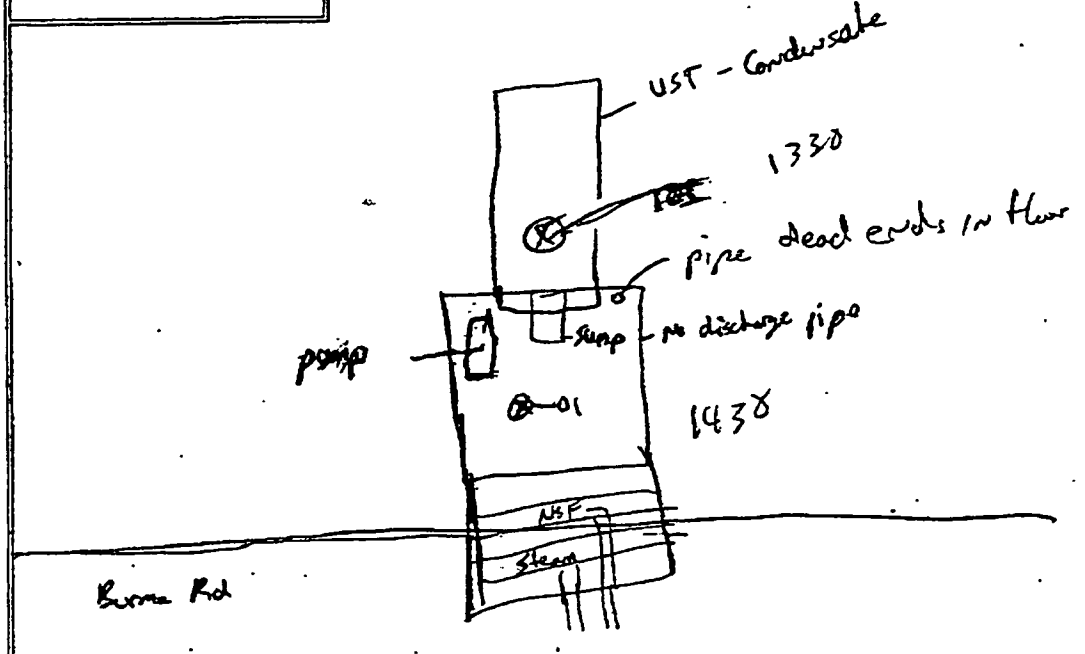
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 6270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : 0.4 PPMV

Sketch

North

Sample ID :



Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 10-3-00

Location : Newport, RI — Recorded by: JOHN LANE

Client : U. S. Navy - Northern Division

From Chamber : E-17 — Sample Depth ~10' ft bgs

Time Collected : ~~#05~~ 1165

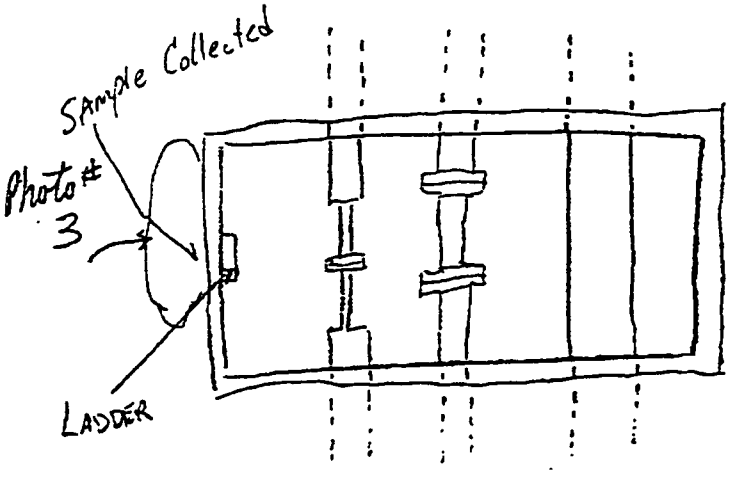
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : PPMV

Sketch

North ↑ N

Sample ID : NAVSTA-CS-VE17-01



Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 10-3-00
Recorded by: JOHN LANE

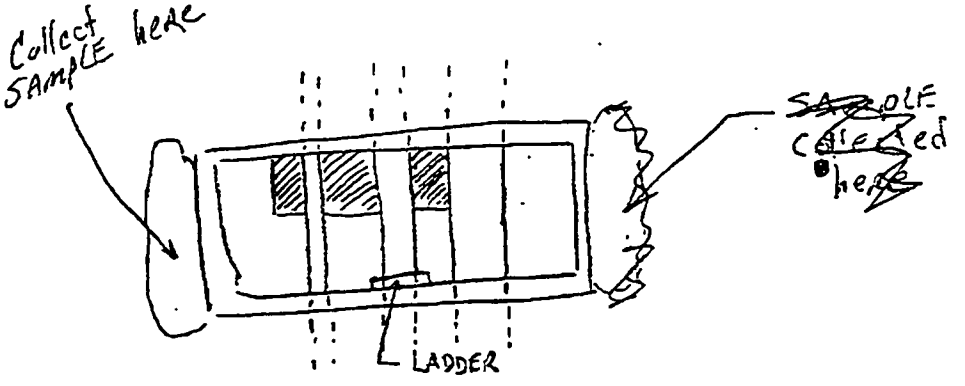
From Chamber : A-17
Sample Depth ~10ft ft bgs
Time Collected : ~~1255~~ 1250

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : 0 PPMV

Sketch
North N

Sample ID : NAVSTA-CS-VA17-01



Sample ID scheme :

NAVSTA-CS-VE1-01
CS = confirmation sample
VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 10-4-00
Recorded by: John LANE

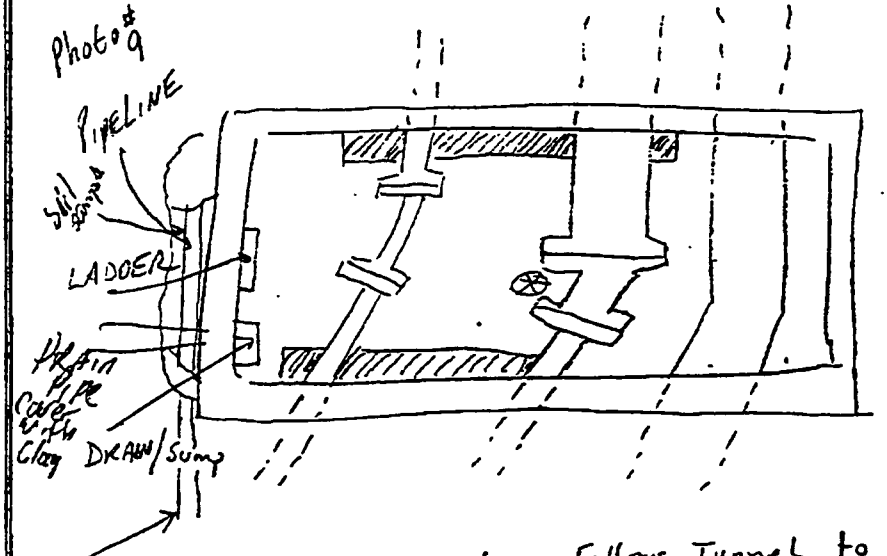
From Chamber : E-18
Sample Depth ~ 6 ft bgs
Time Collected : 0925

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : 0 PPMV

Sketch
North ↑ N

Sample ID : NAVSTA-CS-VE18-01



↳ get inside Tunnel someplace, Follows Tunnel to Chamber A-18 (See A-18 Chamber)

Sample ID scheme : No oil present

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 10-4-00

Location : Newport, RI — Recorded by: John Lane

Client : U. S. Navy - Northern Division

From Chamber : A-18 — Sample Depth — ft bgs

Time Collected : 1000

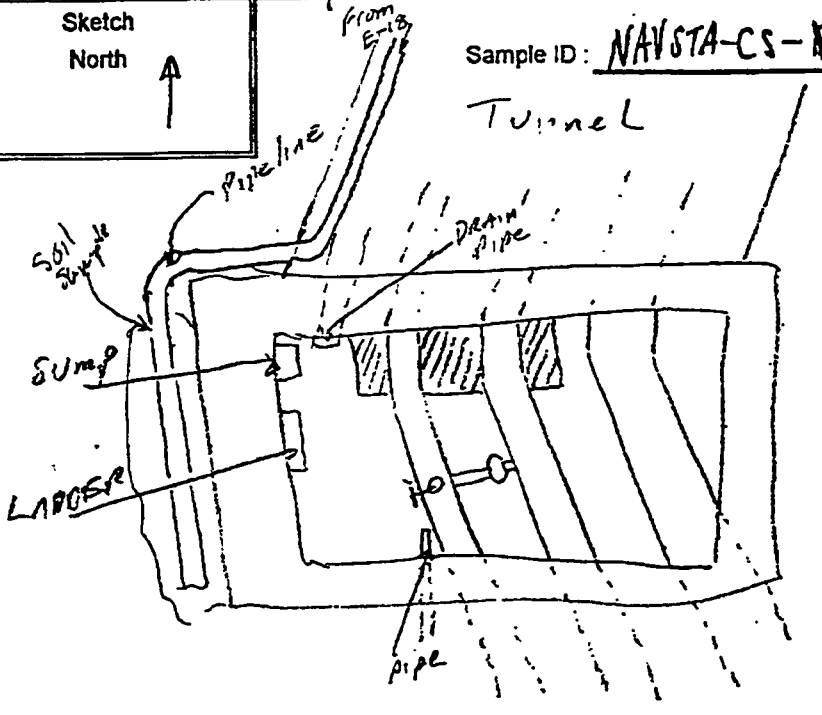
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : 0 PPMV

Sketch

North ↑

Sample ID : NAVSTA-CS-VA18-01



No oil present

Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 10-4-00
Recorded by: John Lane

From Chamber : E-19 Sample Depth 6' ft bgs
Time Collected : 1110

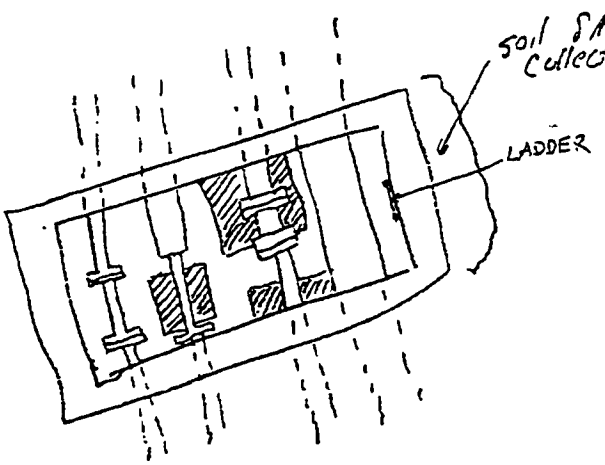
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : Ø PPMV

Sketch
North ↑ N

Sample ID : NAVSTA-CS-VE19-01

Photo # 12



No oil present

Sample ID scheme :

NAVSTA-CS-VE1-01
CS = confirmation sample
VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 10-17-00

Location : Newport, RI — Recorded by: John Lane

Client : U. S. Navy - Northern Division

From Chamber : A-19 — Sample Depth — ft bgs

Time Collected : 0735 / 1330 / 10/17/00 A19-02

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : 0 PPMV

Sketch

North ↑ N

Sample ID : 0735 NAVSTA-CS-VA19-01 outside corner

10/17/00 NAVSTA-CS-VA19-02 inside corner

10/17/00 Sample Collected @ 1330

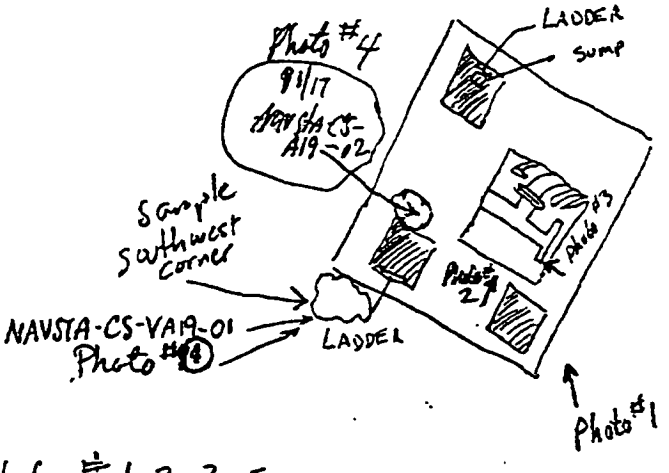


Photo # 1, 2, 3, 5

Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

1 gal of water = 8.3 LBS

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 10-5-00
Recorded by: John LANE

From Chamber : CT-51 Sample Depth ft bgs
Time Collected : 1410

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : 0 PPMV

Sketch
North ↑ N

Sample ID : NAVSTA-CS- VCT51-01 1410
NAVSTA-CS-VCT51-02 1555
NAVSTA-CS-VCT51-03 1610

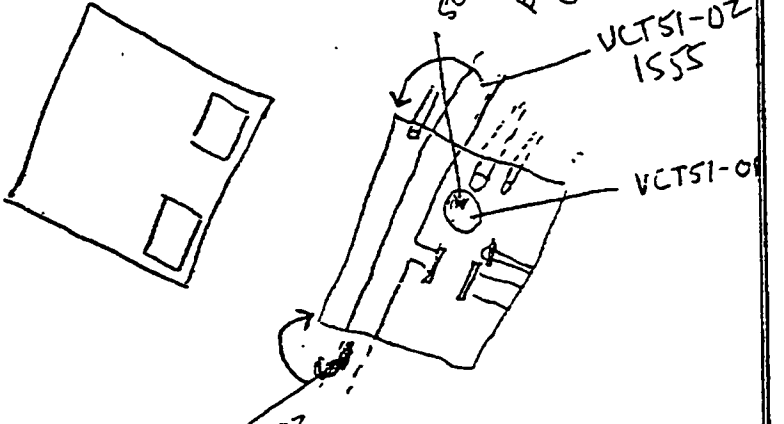


Photo # 4

Photo #6 Southside of CT-51

Photo #7 Westside of CT-51

Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

couldn't get under pipes VCT51-02
Sample on NW corner

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 10-11-00
Recorded by: John LANE

From Chamber : CT-52 Sample Depth ft bgs

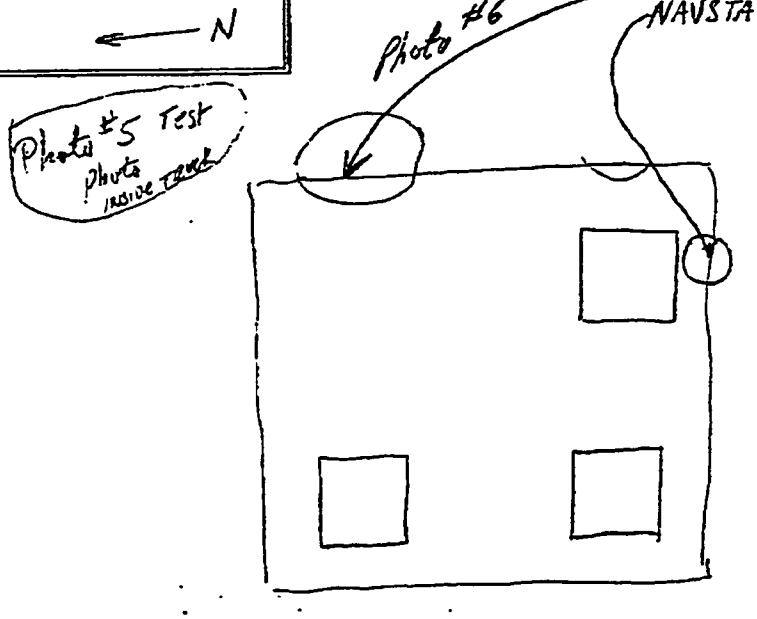
Time Collected : 0825/0900

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : PPMV

Sketch
North
← N

Sample ID : NAVSTA-CS-VCT52-01 (0825)
NAVSTA-CS-VCT52-02 (0900)



Sample ID scheme :

NAVSTA-CS-VE1-01
CS = confirmation sample
VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 10-18-00
Recorded by: J. Lane

From Chamber : CT-52 Sample Depth ft bgs

Time Collected :

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : PPMV

Sketch

North ↑ N

Sample ID : NAVSTA-CS-VCT-52

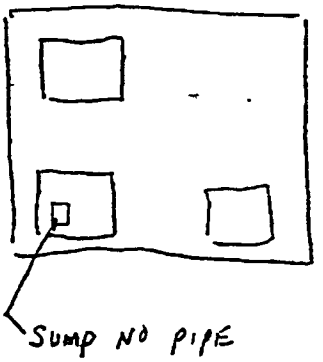


Photo # 5

Sump has no drain pipe see Photo #5

Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date: 10-11-00

Location : Newport, RI — Recorded by: John Lane

Client : U. S. Navy - Northern Division

From Chamber: CT-56 — Sample Depth — ft bgs

Time Collected: 0935/ 0950 (11.0 ppm)

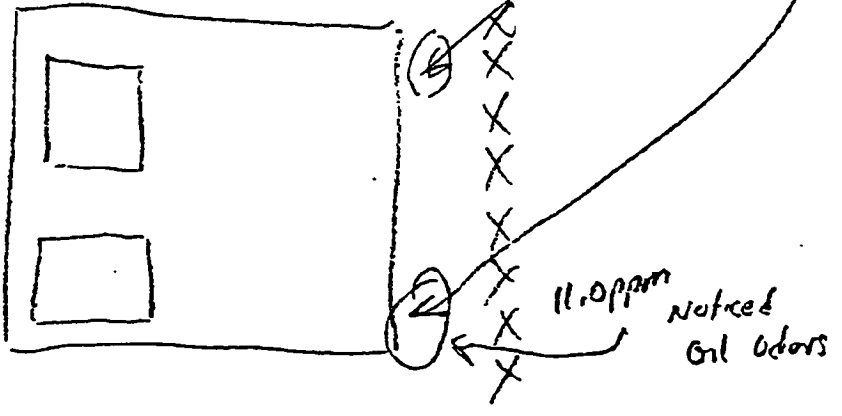
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result: 56-01 = 0 PPMV 56-02 = 11.0 ppm

Sketch North

Sample ID: NAVSTA-CS-VCT56-01 Photo #8 CF35

NAVSTA-CS-VCT56-02 Photo #9 0958



Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 10-19-00
Recorded by: J. LANE

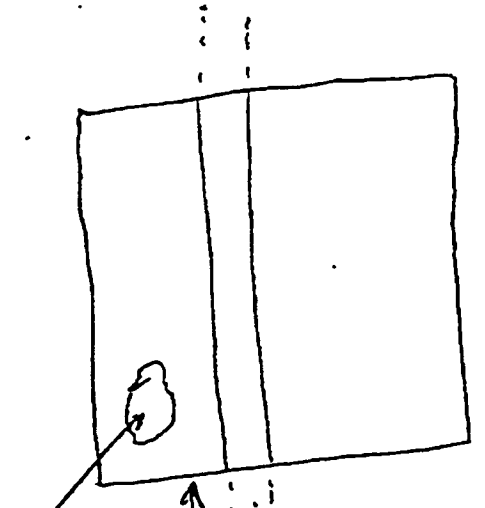
From Chamber : CT-56
Sample Depth ft bgs
Time Collected : 1000

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : 8.10 PPMV H2S petro odors

Sketch
North

Sample ID : ~~NAVSTA-CS-VCT56-03~~
NAVSTA-CS-VCT56-03



CT-56-03

Photo #7 Shows Sample Location

Soil Sample Photo #6 From South West wall during Demo

Sample ID scheme :

NAVSTA-CS-VE1-01
CS = confirmation sample
VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 10-25-00
Recorded by: JOH Collect Sample

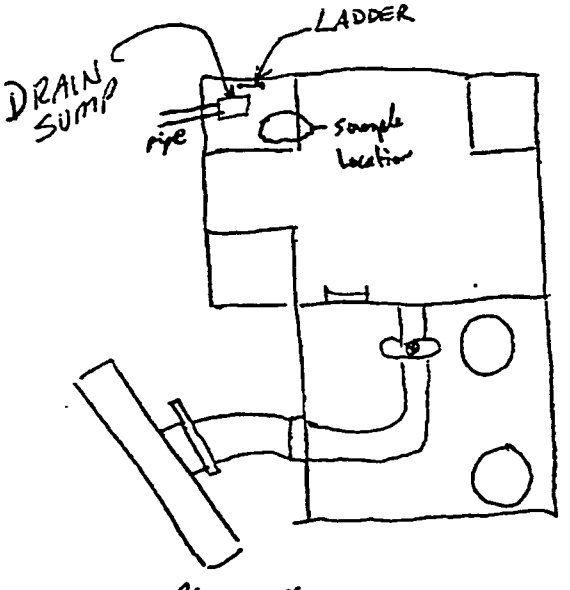
From Chamber : V-1/CT-53 Sample Depth ft bgs

Time Collected :

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : PPMV

Sketch
North



Sample ID : ~~NAVSTA-CS-VE1-02~~ VCT53-02

Photo # 9 was taken from the NE side of Chamber during Demolition

DRAIN HAD WATER FORCED INSIDE (But DYE water got clogged up)

Sample ID scheme :

NAVSTA-CS-VE1-01
CS = confirmation sample
VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 10-11-00

Location : Newport, RI — Recorded by: JOHN LANE

Client : U. S. Navy - Northern Division

From Chamber : CT-53 — Sample Depth — ft bgs

Time Collected : 1255/1245

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

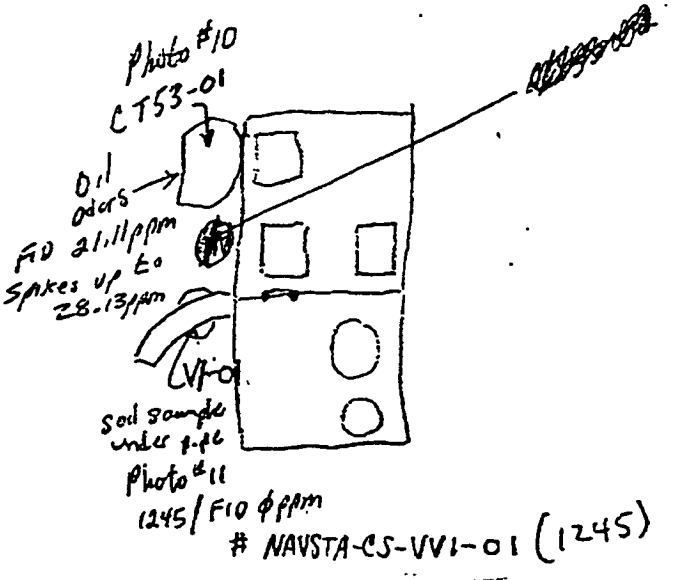
Screening Result : 53-01 21.11 PPMV / 53-02

Sketch

North ↑ N

Sample ID : NAVSTA-CS-CT53-01 1255/(21.11 ppm)

NAVSTA-CS-CT53-02 ~~1245~~



Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 10-2-00
Recorded by: John Lane

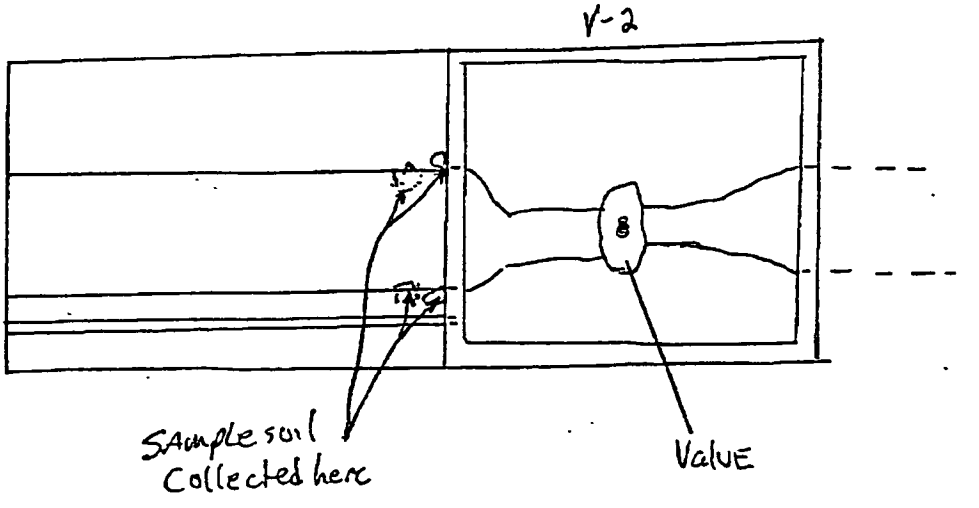
From Chamber : Pipeline South of V-2 Sample Depth Below Pipe ft bgs
Time Collected : 0645

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : Ø PPMV

Sketch
North
N →

Sample ID : NAVSTA-CS-V2-01



Sample ID scheme :

NAVSTA-CS-VE1-01
CS = confirmation sample
VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 10-26-00
Recorded by: JOHN LANE

From Chamber : ~~VAT MT~~ AUL
Sample Depth ~ 3' ft bgs
Time Collected : 1150

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : 0 PPMV

Sketch
North

Sample ID : NAVSTA-CS-VVAI-01

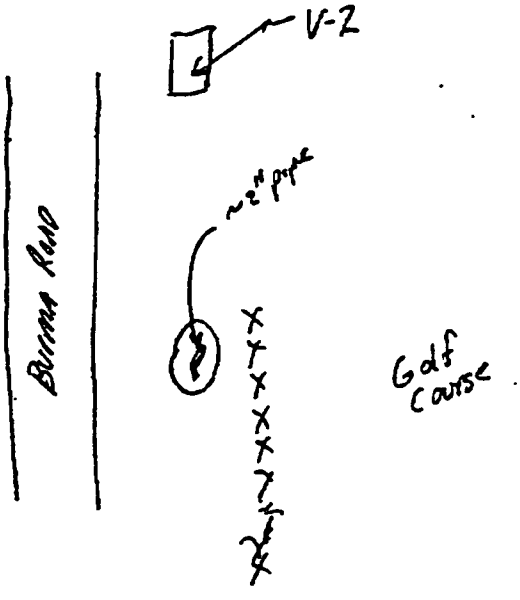


Photo # 5 Shows Soil Sample Location

Sample ID scheme :

NAVSTA-CS-VE1-01
CS = confirmation sample
VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 10-30-00

Location : Newport, RI — Recorded by: J. Lane

Client : U. S. Navy - Northern Division

From Chamber : S1 — Sample Depth Below Pipeline ft bgs

Time Collected : 1215 VS1-01, 1240 VS1-02

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

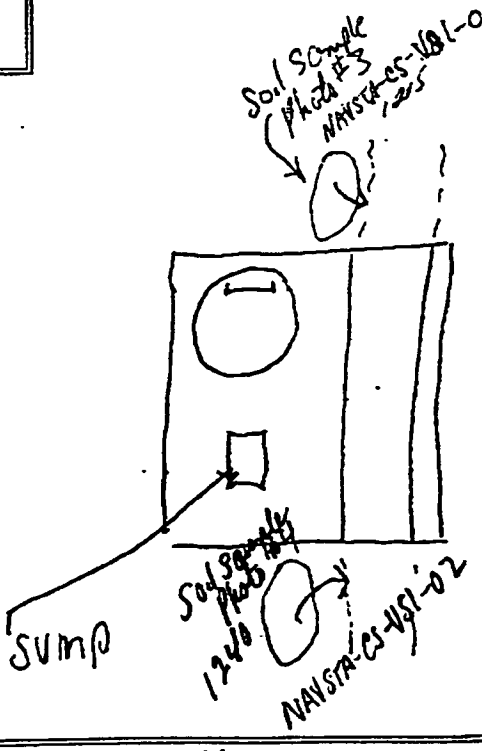
Screening Result : Ø PPMV Both Soil Samples

Sketch

North

N

Sample ID : NAVSTA-CS-VS1-01 -02



Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

To difficult to excess inside vault to collect soil sample, Samples were collected from the North and Southside of the vault underneath the 24" Pipeline

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure — Date : 11-1-00

Location : Newport, RI — Recorded by: J. Lane

Client : U. S. Navy - Northern Division

From Chamber : V-3 — Sample Depth — ft bgs

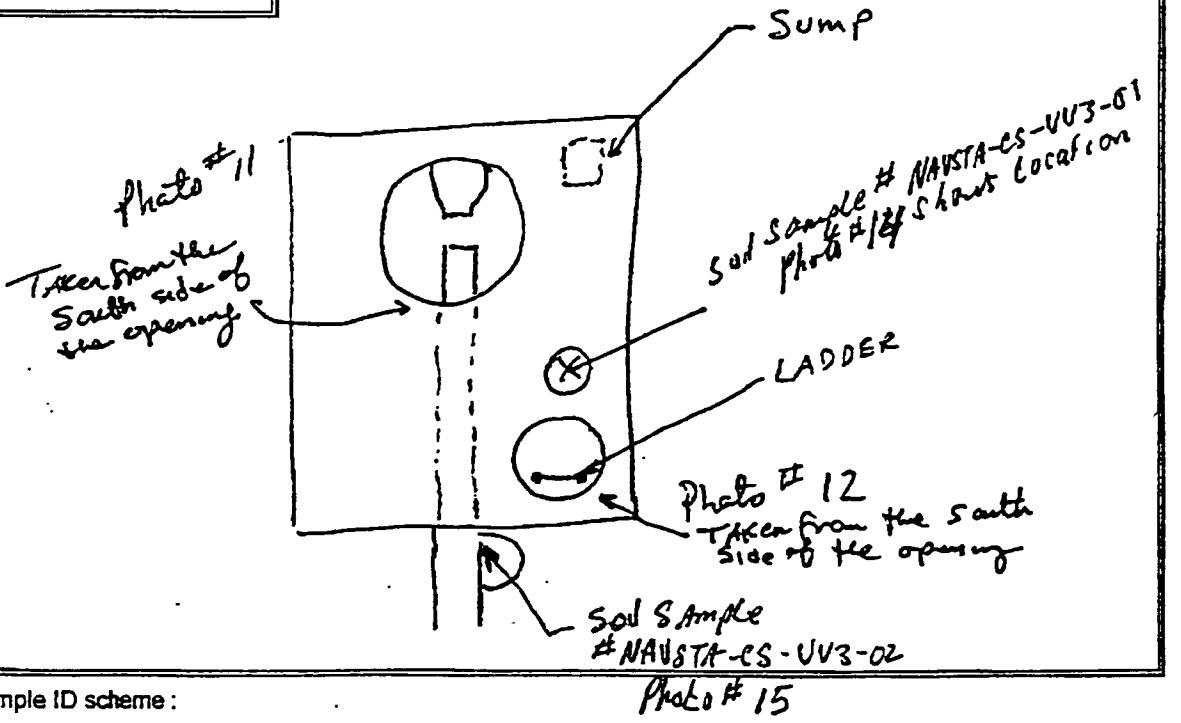
Time Collected : 0900 / 1200

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : Ø PPMV / Ø PPMV

Sketch North

Sample ID : NAVSTA-CS-VV3-01
NAVSTA-CS-VV3-02



Sample ID scheme :

NAVSTA-CS-VE1-01

CS = confirmation sample

VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 10-30-00
Recorded by: J. Lane

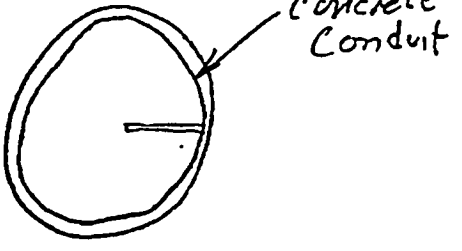
From Chamber : AV2
Sample Depth ~ 3' ft bgs
Time Collected : ~~0850~~ 0750

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : 101.39 PPMV oil odors

Sketch
North

Sample ID : NAVSTA-CS-VAV2-01



Photos #1 & 2

Sample ID scheme :

NAVSTA-CS-VE1-01
CS = confirmation sample
VE1 = Vault E1

Photo #1 Shows pipeline inground
Photo #2 Shows disconnect Valve on ground surface near open hole

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 11-2-00
Recorded by: J. LANE

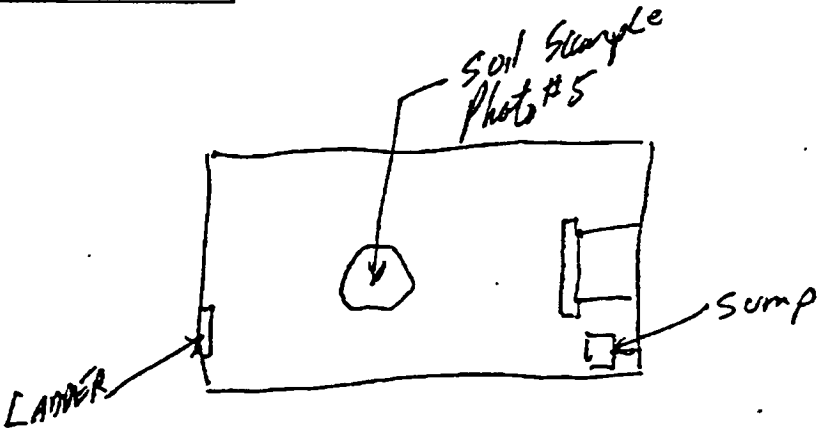
From Chamber : S2
Sample Depth ~ 10 ft bgs
Time Collected : 0930

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : ∅ PPMV

Sketch
North

Sample ID : NAVSTA-CS-VS2-01



Sample ID scheme :

NAVSTA-CS-VE1-01
CS = confirmation sample
VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 11-2-00
Recorded by: J. LANE

From Chamber : AV-3
Sample Depth 2' ft bgs
Time Collected : 0730

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : 0 PPMV

Sketch
North
N →

Sample ID : NAVSTA-CS-VAV3-01

Photo #3 taken from EAST side

Photo #4 Shows Soil Sample Location

Sample ID scheme :

NAVSTA-CS-VE1-01
CS = confirmation sample
VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 11-1-00
Recorded by: J. Lane

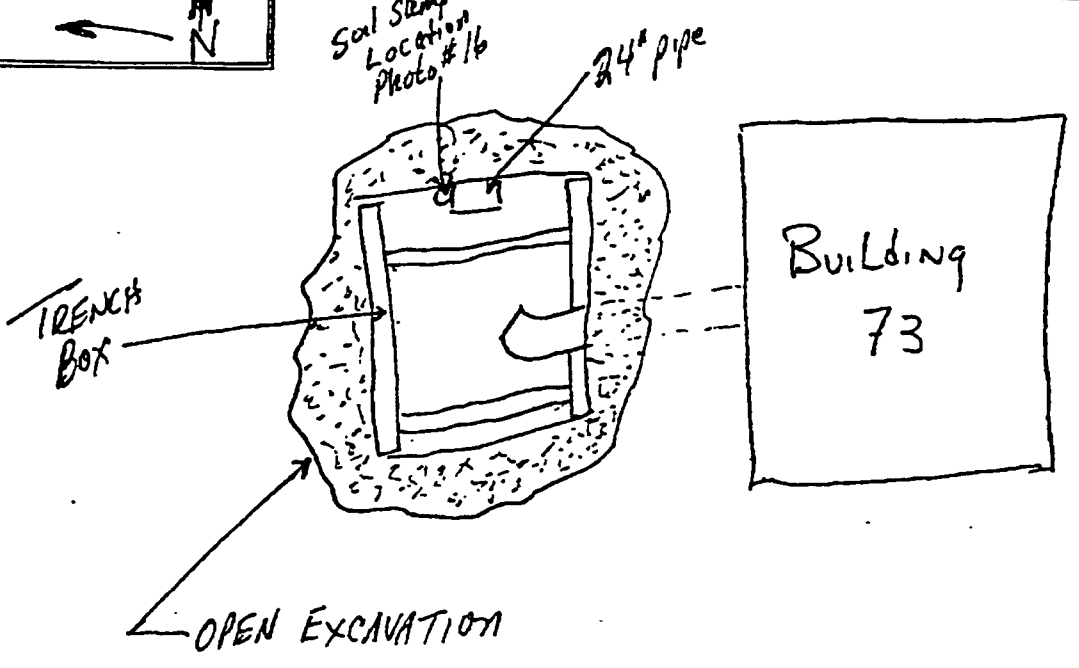
From Chamber : Bldg. 73 (VB73-01 Sample Depth ~10' ft bgs
Time Collected : 1340

Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : 0.58 PPMV ABOVE THE BACKGROUND

Sketch
North

Sample ID : NAVSTA-CS-VB73-01



Sample ID scheme :

NAVSTA-CS-VE1-01
CS = confirmation sample
VE1 = Vault E1

SOIL SAMPLE SHEET

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Site : Fuel line closure
Location : Newport, RI
Client : U. S. Navy - Northern Division

Date : 10-16-00
Recorded by: JOHN LANE

From Chamber : BLDG #73 Sample Depth ft bgs

Time Collected :

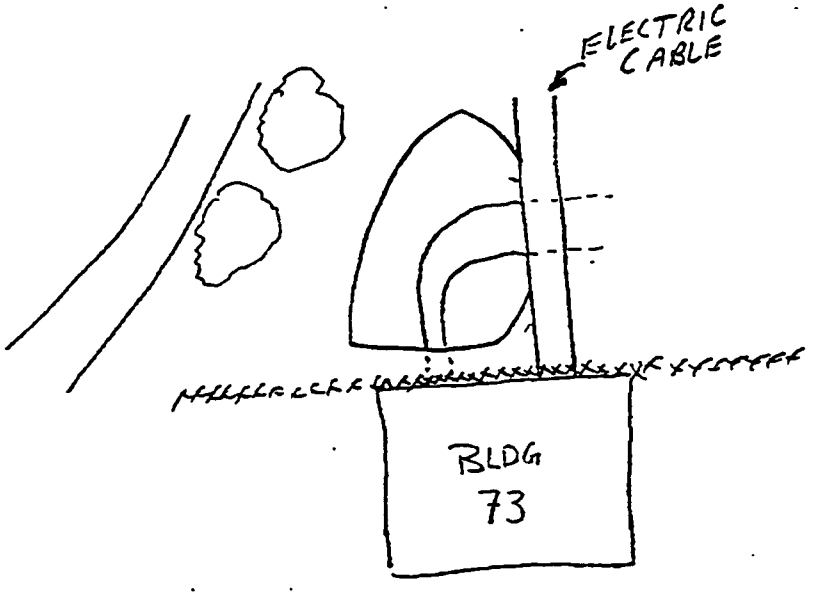
Analysis :		
	VOCs (methanol (10cc) and Sodium bisulfate (5cc))	3 40 ml Vials
	SVOCs (Method 8270)	1 8 oz jar
	TAL Metals	
	TPH (method 418.1)	1 8 oz jar
	TPH (method 8015)	

Screening Result : PPMV

Sketch
North

N

Sample ID :



Sample ID scheme :

NAVSTA-CS-VE1-01
CS = confirmation sample
VE1 = Vault E1

APPENDIX I

LABORATORY RESULTS

R.I. Analytical
Specialists in Environmental Services

October 18, 2000

Josh Holden
Foster Wheeler Environmental Corporation
195 Burma Road
Middletown, RI 02842

RE: R.I. Analytical Laboratories Work for Delivery Order 65, Fuel line closure, NAVSTA-Newport, RI.

Dear Josh,

In reference to your question concerning the detection limits for Semivolatile Organic compounds (method 8270). In reporting SVOCs, results that are below the method detection limit are not rounded up to obtain the concentration. A result of <0.4 indicates that the sample contains some value of product below the number indicated. A result of 0.4 or greater indicates the concentration of the compound in the sample.

In reference to your question concerning the varying detection limits for total petroleum hydrocarbons by method 8015. For TPH analysis the detection limit is affected by the amount of moisture that is present in the sample, as a result the detection limits vary for each sample analyzed.

If you have any question in regards to this matter, I can be contacted at 401-737-8500 for assistance.

Sincerely,
R.I. Analytical Laboratories, Inc.

Gregg Harrison
Customer Service Representative

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax. (617) 965-5624

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Foster Wheeler
Attn: Mr. Josh Holden
P.O. Box 4350
Middletown, RI 02842

Date Received: 8/24/00
Date Reported: 8/31/00
P.O. #: 027615
Work Order #: 0008-10114

DESCRIPTION: DO65 PIPELINE CLOSURE (TWO SOIL SAMPLES)

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-3624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 8/24/00
Work Order # 0008-10114

Approved by: _____
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: NAVSTA-CS-VE1-01 GRAB 08/23/00 @1510

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<29	29	mg/kg dry	EPA 418.1	8/29/00 14:59	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 8/24/00
Work Order # 0008-10114

Approved by:
R.I. Analytical

Sample #: 002
SAMPLE DESCRIPTION: NAVSTA-CS-VE1-01 GRAB 08/23/00 @1510

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	8/31/00 11:56	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	8/31/00 11:56	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	8/31/00 11:56	NPV

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 8/24/00
Work Order # 0008-10114

Approved by: R.I. Analytical

Sample #: 003
SAMPLE DESCRIPTION: NAVSTA-CS-VE1-01 GRAB 08/23/00 @1510

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	16300	2.1	mg/kg dry	SW-846 6010	8/30/00 17:26	TD
ANTIMONY	<4.13	4.13	mg/kg dry	SW-846 6010	8/30/00 16:53	TD
ARSENIC	22.7	2.1	mg/kg dry	SW-846 6010	8/30/00 17:38	TD
BARIUM	17.5	0.10	mg/kg dry	SW-846 6010	8/30/00 17:38	TD
BERYLLIUM	0.33	0.02	mg/kg dry	SW-846 6010	8/30/00 17:38	TD
CADMIUM	2.77	0.10	mg/kg dry	SW-846 6010	8/30/00 17:38	TD
CHROMIUM	17.4	0.62	mg/kg dry	SW-846 6010	8/30/00 17:38	TD
COBALT	16.7	0.62	mg/kg dry	SW-846 6010	8/30/00 17:38	TD
COPPER	19.4	1.03	mg/kg dry	SW-846 6010	8/30/00 17:38	TD
IRON	42100	1.03	mg/kg dry	SW-846 6010	8/30/00 17:38	TD
LEAD	7.85	0.83	mg/kg dry	SW-846 6010	8/30/00 17:38	TD
MAGNESIUM	4230	1.68	mg/kg dry	SW-846 6010	8/30/00 12:56	TD
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	8/31/00 11:19	RJC
NICKEL	27.1	0.41	mg/kg dry	SW-846 6010	8/30/00 17 38	TD
POTASSIUM	117	33.6	mg/kg dry	SW-846 6010	8/30/00 12:39	TD
SELENIUM	<4.13	4.13	mg/kg dry	SW-846 6010	8/30/00 16:53	TD
SILVER	<0.41	0.41	mg/kg dry	SW-846 6010	8/30/00 17:38	TD
SODIUM	<101	101	mg/kg dry	SW-846 6010	8/30/00 12:39	TD
THALLIUM	<2.1	2.1	mg/kg dry	SW-846 6010	8/30/00 17:38	TD
VANADIUM	18.6	0.41	mg/kg dry	SW-846 6010	8/30/00 17:38	TD
ZINC	67.4	0.41	mg/kg dry	SW-846 6010	8/30/00 17:38	TD

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 8/24/00
Work Order # 0008-10114

Approved by:
R.I. Analytical

Sample #: 004
SAMPLE DESCRIPTION: NAVSTA-CS-VE1-01 GRAB 08/23/00 @1510

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
Bromobenzene	<0.004	0 004	mg/kg	5035/8260	8/30/00 11:13	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	8/30/00 11:13	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	8/30/00 11:13	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	8/30/00 11:13	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	8/30/00 11:13	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	8/30/00 11:13	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	8/30/00 11:13	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11.13	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	8/30/00 11.13	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 8/24/00
Work Order # 0008-10114

Approved by:
R.I. Analytical

Sample #: 004

NAVSTA-CS-VE1-01 GRAB 08/23/00 @1510

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11 13	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
1,2,3-Trichloropropane	<0.004	0 004	mg/kg	5035/8260	8/30/00 11.13	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	8/30/00 11:13	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	8/30/00 11:13	JL
SURROGATES			RANGE	5035/8260	8/30/00 11:13	JL
Dibromofluoromethane	96		80-120%	5035/8260	8/30/00 11:13	JL
Toluene-d8	97		81-117%	5035/8260	8/30/00 11:13	JL
4-Bromofluorobenzene	87		74-121%	5035/8260	8/30/00 11:13	JL
1,2 Dichloroethane-d4	102		80-120%	5035/8260	8/30/00 11:13	JL

Volatile organic samples collected, preserved and analyzed under guidelines of method SW-846 5035.

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 8/24/00
Work Order # 0008-10114

Approved by: R.I. Analytical

Sample #: 005
SAMPLE DESCRIPTION: NAVSTA-CS-VE1-01 GRAB 08/23/00 @1510

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 8/24/00
Work Order # 0008-10114

Approved by:
R.I. Analytical

Sample #: 005

NAVSTA-CS-VE1-01 GRAB 08/23/00 @1510

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 11:12	JAH
SURROGATES			RANGE	SW-846 8270	8/31/00 11:12	JAH
Phenol-d5	89		24-113%	SW-846 8270	8/31/00 11:12	JAH
2-Fluorophenol	74		25-121%	SW-846 8270	8/31/00 11:12	JAH
2,4,6-Tribromophenol	116		19-122%	SW-846 8270	8/31/00 11:12	JAH
Nitrobenzene-d5	89		23-120%	SW-846 8270	8/31/00 11:12	JAH
2-Fluorobiphenyl	93		30-115%	SW-846 8270	8/31/00 11:12	JAH
P-Terphenyl-d14	57		18-137%	SW-846 8270	8/31/00 11:12	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 8/24/00
Work Order # 0008-10114

Approved by:
R.I. Analytical

Sample #: 006
SAMPLE DESCRIPTION: NAVSTA-CS-VE2-01 GRAB 08/23/00 @1500

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<28	28	mg/kg dry	EPA 418.1	8/29/00 14:59	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 8/24/00
Work Order # 0008-10114

Approved by: R.I. Analytical

Sample #: 007
SAMPLE DESCRIPTION: NAVSTA-CS-VE2-01 GRAB 08/23/00 @1500

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	8/31/00 11:56	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	8/31/00 11:56	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	8/31/00 11:56	NPV

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 8/24/00
Work Order # 0008-10114

Approved by: R.I. Analytical

Sample #: 008
SAMPLE DESCRIPTION: NAVSTA-CS-VE2-01 GRAB 08/23/00 @1500

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	16600	2.14	mg/kg dry	SW-846 6010	8/30/00 17:45	TD
ANTIMONY	<4.27	4.27	mg/kg dry	SW-846 6010	8/30/00 17:45	TD
ARSENIC	8.55	2.14	mg/kg dry	SW-846 6010	8/30/00 17:45	TD
BARIUM	17.2	0.11	mg/kg dry	SW-846 6010	8/30/00 17:45	TD
BERYLLIUM	0.26	0.02	mg/kg dry	SW-846 6010	8/30/00 17:41	TD
CADMIUM	1.96	0.11	mg/kg dry	SW-846 6010	8/30/00 17:45	TD
CHROMIUM	14.7	0.64	mg/kg dry	SW-846 6010	8/30/00 17:45	TD
COBALT	13.5	0.64	mg/kg dry	SW-846 6010	8/30/00 17:45	TD
COPPER	14.1	1.07	mg/kg dry	SW-846 6010	8/30/00 17:45	TD
IRON	42300	1.07	mg/kg dry	SW-846 6010	8/30/00 17:45	TD
LEAD	2.35	0.85	mg/kg dry	SW-846 6010	8/30/00 17:45	TD
MAGNESIUM	2640	1.71	mg/kg dry	SW-846 6010	8/30/00 12:42	TD
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	8/31/00 11:19	RJC
NICKEL	22.2	0.43	mg/kg dry	SW-846 6010	8/30/00 17:45	TD
POTASSIUM	188	34.2	mg/kg dry	SW-846 6010	8/30/00 12:42	TD
SELENIUM	<4.27	4.27	mg/kg dry	SW-846 6010	8/30/00 17 45	TD
SILVER	<0.43	0.43	mg/kg dry	SW-846 6010	8/30/00 17:45	TD
SODIUM	<103	103	mg/kg dry	SW-846 6010	8/30/00 12:42	TD
THALLIUM	<2.14	2.14	mg/kg dry	SW-846 6010	8/30/00 17:45	TD
VANADIUM	17.9	0.43	mg/kg dry	SW-846 6010	8/30/00 17:45	TD
ZINC	47.0	0.43	mg/kg dry	SW-846 6010	8/30/00 17:45	TD

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 8/24/00
Work Order # 0008-10114

Approved by:
R.I. Analytical

Sample #: 009
SAMPLE DESCRIPTION: NAVSTA-CS-VE2-01 GRAB 08/23/00 @1500

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	8/30/00 12:10	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	8/30/00 12:10	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	8/30/00 12:10	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	8/30/00 12:10	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	8/30/00 12:10	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	8/30/00 12:10	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	8/30/00 12:10	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 8/24/00
Work Order # 0008-10114

Approved by:
R.I. Analytical

Sample #: 009

NAVSTA-CS-VE2-01 GRAB 08/23/00 @1500

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 12 10	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12.10	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	8/30/00 12:10	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	8/30/00 12:10	JL
SURROGATES			RANGE	5035/8260	8/30/00 12:10	JL
Dibromofluoromethane	96		80-120%	5035/8260	8/30/00 12:10	JL
Toluene-d8	96		81-117%	5035/8260	8/30/00 12:10	JL
4-Bromofluorobenzene	80		74-121%	5035/8260	8/30/00 12:10	JL
1,2 Dichloroethane-d4	103		80-120%	5035/8260	8/30/00 12:10	JL

Volatile organic samples collected, preserved and analyzed under guidelines of method SW-846 5035.

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 8/24/00
Work Order # 0008-10114

Approved by:
R.I. Analytical

Sample #: 010
SAMPLE DESCRIPTION: NAVSTA-CS-VE2-01 GRAB 08/23/00 @1500

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13.50	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13.50	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 8/24/00
Work Order # 0008-10114

Approved by:
R.I. Analytical

Sample #: 010

NAVSTA-CS-VE2-01 GRAB 08/23/00 @1500

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:50	JAH
SURROGATES			RANGE	SW-846 8270	8/31/00 13:50	JAH
Phenol-d5	30		24-113%	SW-846 8270	8/31/00 13:50	JAH
2-Fluorophenol	49		25-121%	SW-846 8270	8/31/00 13:50	JAH
2,4,6-Tribromophenol	4		19-122%	SW-846 8270	8/31/00 13:50	JAH
Nitrobenzene-d5	45		23-120%	SW-846 8270	8/31/00 13:50	JAH
2-Fluorobiphenyl	52		30-115%	SW-846 8270	8/31/00 13:50	JAH
P-Terphenyl-d14	86		18-137%	SW-846 8270	8/31/00 13:50	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 8/24/00
Work Order # 0008-10114

Approved by:
R.I. Analytical

Sample #: 011
SAMPLE DESCRIPTION: PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
TPH IR	<25	25	mg/kg dry	EPA 418.1	8/29/00	14:59	SWM
TPH GC							
C6-C9	<12	12	mg/kg dry	SW846 8015B	8/31/00	11:56	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	8/31/00	11:56	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	8/31/00	11:56	NPV
TOTAL METALS							
ALUMINUM	<5	5	mg/kg dry	SW-846 6010	8/30/00	17:45	TD
ANTIMONY	<10	10	mg/kg dry	SW-846 6010	8/30/00	17:45	TD
ARSENIC	<5	5	mg/kg dry	SW-846 6010	8/30/00	17:45	TD
BARIUM	<0.3	0.3	mg/kg dry	SW-846 6010	8/30/00	17:45	TD
BERYLLIUM	<0.05	0.05	mg/kg dry	SW-846 6010	8/30/00	17:45	TD
CADMIUM	<0.3	0.3	mg/kg dry	SW-846 6010	8/30/00	17 45	TD
CHROMIUM	<2	2	mg/kg dry	SW-846 6010	8/30/00	17:45	TD
COBALT	<2	2	mg/kg dry	SW-846 6010	8/30/00	17:45	TD
COPPER	<3	3	mg/kg dry	SW-846 6010	8/30/00	17:45	TD
IRON	<3	3	mg/kg dry	SW-846 6010	8/30/00	17:45	TD
LEAD	<2	2	mg/kg dry	SW-846 6010	8/30/00	17:45	TD
MAGNESIUM	<3	3	mg/kg dry	SW-846 6010	8/30/00	17.45	TD
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	8/31/00	11:19	RJC
NICKEL	<1	1	mg/kg dry	SW-846 6010	8/30/00	17:45	TD
POTASSIUM	<50	50	mg/kg dry	SW-846 6010	8/30/00	17:45	TD
SELENIUM	<10	10	mg/kg dry	SW-846 6010	8/30/00	17:45	TD
SILVER	<1	1	mg/kg dry	SW-846 6010	8/30/00	17:45	TD
SODIUM	<200	200	mg/kg dry	SW-846 6010	8/30/00	17:45	TD
THALLIUM	<5	5	mg/kg dry	SW-846 6010	8/30/00	17:45	TD
VANADIUM	<1	1	mg/kg dry	SW-846 6010	8/30/00	17:45	TD
ZINC	<1	1	mg/kg dry	SW-846 6010	8/30/00	17.45	TD
Volatile Organic Compounds							
Benzene	<0.004	0.004	mg/kg	5035/8260	8/30/00	10:26	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00	10:26	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	8/30/00	10:26	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	8/30/00	10:26	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	8/30/00	10:26	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	8/30/00	10:26	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00	10:26	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00	10:26	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00	10:26	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 8/24/00
Work Order # 0008-10114

Approved by:
R.I. Analytical

Sample #: 011

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	8/30/00 10:26	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	8/30/00 10:26	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	8/30/00 10:26	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	8/30/00 10:26	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	8/30/00 10:26	JL
Naphthalene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 8/24/00
Work Order # 0008-10114

Approved by:
R.I. Analytical

Sample #: 011

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	8/30/00 10:26	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	8/30/00 10:26	JL
SURROGATES			RANGE	5035/8260	8/30/00 10:26	JL
Dibromofluoromethane	99		80-120%	5035/8260	8/30/00 10:26	JL
Toluene-d8	97		81-117%	5035/8260	8/30/00 10:26	JL
4-Bromofluorobenzene	94		74-121%	5035/8260	8/30/00 10:26	JL
1,2 Dichloroethane-d4	103		80-120%	5035/8260	8/30/00 10:26	JL
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 8/24/00
Work Order # 0008-10114

Approved by:
R.I. Analytical

Sample #: 011

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13.56	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13.56	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13.56	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13.56	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	8/31/00 13:56	JAH
SURROGATES			RANGE	SW-846 8270	8/31/00 13:56	JAH
Phenol-d5	104		24-113%	SW-846 8270	8/31/00 13:56	JAH
2-Fluorophenol	94		25-121%	SW-846 8270	8/31/00 13:56	JAH
2,4,6-Tribromophenol	114		19-122%	SW-846 8270	8/31/00 13:56	JAH
Nitrobenzene-d5	114		23-120%	SW-846 8270	8/31/00 13:56	JAH
2-Fluorobiphenyl	99		30-115%	SW-846 8270	8/31/00 13:56	JAH
P-Terphenyl-d14	160		18-137%	SW-846 8270	8/31/00 13:56	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 8/24/00
Work Order # 0008-10114

Approved by: R.I. Analytical

Volatile organic samples collected, preserved and analyzed under guidelines of method SW-846 5035.

White Copy Original (Accompanies Samples) Yellow Copy – Collector Pink Copy – Customer's Copy

R.I. Analytical Laboratories, Inc.

41 Illinois Avenue
Warwick, RI 02888
Phone: (401) 737-8500
Fax: (401) 738-1970

950 Boylston Street, Unit 102
Newton Highlands, MA 02461
Phone: (617) 965-5133
Fax: (617) 965-5624

CHAIN OF CUSTODY RECORD

Container Type Codes: P=Plastic, AG=Amber Glass, G=Glass, St=Sterile, V=Vial, O=Other (describe)

Preservative Codes: NP=Non preserved, S=Sulfuric, I=Cooled 4°C, H=HCL, N=Nitric, SH=NaOH, M=Methanol, SB=NaHSO4

Matrix Codes: GW=Groundwater, S=Soil, WW=Wastewater, Sl=Sludge, DW=Drinking water, A=Air, O=Other (describe), B=Bulk/Solid

Date Collected	Time Collected	Sample ID	G=Grab C=Comp.	Containers # + (code)	Preservative (code)	Matrix (code)	Analysis Request
8/23/00	1510	NAVSTA-CS-VE1-01	G	3 GV 2 G	I, S, B, M	S	TPH (418.1 E8015) TAL metals / VOCs R / SVOCs
	15	NAVSTA-CS-VE2-01	G	3GV 2G	I, S, B, M	S	↓ ↓ ↓ ↓ ↓ ↓

Client Information

Company Name: Foster Wheeler
Address: 145 Burma Rd
City / State / Zip: Portsmouth RI
Phone: 683-5259 Fax: 683-5218
Contact: Josh

Project Information

Project Name / Location: NO 65 - Pipeline Closure
P.O Number / Project Number:
Project Manager / Report To:
Sampled by: J Holden
Reference Proposal:

Relinquished by:	Date	Time	Received by:	Date	Time
Jolyn Holden	8/24/00	1300		8/24/00	1300
Josh	8/24/00	1500	placed	8/24/00	1810

Recd on ice

Turn Around Time: ☒ Normal; ☒ 5 business days Surcharges may apply; ☐ Rush _____ (business days)

Project Comments:
* Low level VOCs
* must meet RIDEM RDEC detection limits

RIAL USE ONLY: ☑ Pick-Up Only; ☐ RIAL Sampled; ☒ Shipped on Ice 10114 RIAL W.O. #

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Foster Wheeler
Attn: Mr. Josh Holden
P.O. Box 4350
Middletown, RI 02842

Date Received: 9/06/00
Date Reported: 9/13/00
P.O. #: 020128
Work Order #: 0009-10659

DESCRIPTION: PROJECT# D065 PIPELINE (ONE SOIL SAMPLE)

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/06/00
Work Order # 0009-10659

Approved by: R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: NAVSTA-CS-VA3-01 GRAB 09/05/00 @1400

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<28	28	mg/kg dry	EPA 418.1	9/08/00 15:00	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/06/00
Work Order # 0009-10659

Approved by: R.I. Analytical

Sample #: 002
SAMPLE DESCRIPTION: NAVSTA-CS-VA3-01 GRAB 09/05/00 @1400

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	9/12/00 19:42	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	9/12/00 19:42	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	9/12/00 19:42	NPV

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/06/00
Work Order # 0009-10659

Approved by:
R.I. Analytical

Sample #: 003
SAMPLE DESCRIPTION: NAVSTA-CS-VA3-01 GRAB 09/05/00 @1400

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/13/00 5:39	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/13/00 5:39	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/13/00 5:39	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/13/00 5:39	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/13/00 5:39	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/13/00 5:39	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/13/00 5:39	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/06/00
Work Order # 0009-10659

Approved by:
R.I. Analytical

Sample #: 003

NAVSTA-CS-VA3-01 GRAB 09/05/00 @1400

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	9/13/00 5:39	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	9/13/00 5:39	JL
SURROGATES			RANGE	5035/8260	9/13/00 5:39	JL
Dibromofluoromethane	105		80-120%	5035/8260	9/13/00 5:39	JL
Toluene-d8	97		81-117%	5035/8260	9/13/00 5:39	JL
4-Bromofluorobenzene	89		74-121%	5035/8260	9/13/00 5:39	JL
1,2 Dichloroethane-d4	105		80-120%	5035/8260	9/13/00 5:39	JL

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/06/00
Work Order # 0009-10659

Approved by:
R.I. Analytical

Sample #: 004
SAMPLE DESCRIPTION: NAVSTA-CS-VA3-01 GRAB 09/05/00 @1400

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/06/00
Work Order # 0009-10659

Approved by:
R.I. Analytical

Sample #: 004

NAVSTA-CS-VA3-01 GRAB 09/05/00 @1400

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
2,4-Dnitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 16:48	JAH
SURROGATES			RANGE	SW-846 8270	9/12/00 16:48	JAH
Phenol-d5	83		24-113%	SW-846 8270	9/12/00 16:48	JAH
2-Fluorophenol	75		25-121%	SW-846 8270	9/12/00 16:48	JAH
2,4,6-Tribromophenol	115		19-122%	SW-846 8270	9/12/00 16:48	JAH
Nitrobenzene-d5	76		23-120%	SW-846 8270	9/12/00 16:48	JAH
2-Fluorobiphenyl	98		30-115%	SW-846 8270	9/12/00 16:48	JAH
P-Terphenyl-d14	134		18-137%	SW-846 8270	9/12/00 16:48	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/06/00
Work Order # 0009-10659

Approved by:
R.I. Analytical

Sample #: 005
SAMPLE DESCRIPTION: NAVSTA-CS-VA3-01 GRAB 09/05/00 @1400

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	12400	1.39	mg/kg dry	SW-846 6010	9/13/00 10:40	TD
ANTIMONY	<2.8	2.8	mg/kg dry	SW-846 6010	9/13/00 10:03	TD
ARSENIC	13.9	1.39	mg/kg dry	SW-846 6010	9/13/00 10:03	TD
BARIUM	12.4	0.07	mg/kg dry	SW-846 6010	9/13/00 10:03	TD
BERYLLIUM	0.33	0.01	mg/kg dry	SW-846 6010	9/13/00 10:03	TD
CADMIUM	2.35	0.07	mg/kg dry	SW-846 6010	9/13/00 10:03	TD
CHROMIUM	14.8	0.42	mg/kg dry	SW-846 6010	9/13/00 10:03	TD
COBALT	15.0	0.42	mg/kg dry	SW-846 6010	9/13/00 10:03	TD
COPPER	18.9	0.70	mg/kg dry	SW-846 6010	9/13/00 10:03	TD
IRON	32000	0.70	mg/kg dry	SW-846 6010	9/13/00 10:40	TD
LEAD	3.34	0.56	mg/kg dry	SW-846 6010	9/13/00 10:03	TD
MAGNESIUM	4580	0.70	mg/kg dry	SW-846 6010	9/13/00 11:39	TD
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	9/13/00 9:09	RJC
NICKEL	27 6	0.28	mg/kg dry	SW-846 6010	9/13/00 10:03	TD
POTASSIUM	350	14	mg/kg dry	SW-846 6010	9/13/00 11:44	TD
SELENIUM	<2.8	2.8	mg/kg dry	SW-846 6010	9/13/00 10:03	TD
SILVER	<0.28	0.28	mg/kg dry	SW-846 6010	9/13/00 10:03	TD
SODIUM	<42	42	mg/kg dry	SW-846 6010	9/13/00 10:35	TD
THALLIUM	<1.4	1.4	mg/kg dry	SW-846 6010	9/13/00 10:03	TD
VANADIUM	12.5	0.28	mg/kg dry	SW-846 6010	9/13/00 10:03	TD
ZINC	53.8	0.28	mg/kg dry	SW-846 6010	9/13/00 10:03	TD

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/06/00
Work Order # 0009-10659

Approved by: R.I. Analytical

Sample #: 006
SAMPLE DESCRIPTION: PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
TPH IR	<25	25	mg/kg dry	EPA 418.1	9/08/00	15:00	SWM
TPH GC							
C5-C9	<12	12	mg/kg dry	SW846 8015B	9/12/00	19:42	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	9/12/00	19:42	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	9/12/00	19:42	NPV
Volatile Organic Compounds							
Benzene	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/13/00	4:53	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/13/00	4:53	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/13/00	4:53	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/13/00	4:53	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/13/00	4:53	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/13/00	4:53	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/13/00	4:53	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/06/00
Work Order # 0009-10659

Approved by:
R.I. Analytical

Sample #: 006

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/13/00 4:53	JL
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4 53	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	9/13/00 4:53	JL
SURROGATES			RANGE	5035/8260	9/13/00 4:53	JL
Dibromofluoromethane	107		80-120%	5035/8260	9/13/00 4:53	JL
Toluene-d8	100		81-117%	5035/8260	9/13/00 4:53	JL
4-Bromofluorobenzene	106		74-121%	5035/8260	9/13/00 4:53	JL
1,2 Dichloroethane-d4	104		80-120%	5035/8260	9/13/00 4:53	JL
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/06/00
Work Order # 0009-10659

Approved by: R.I. Analytical

Sample #: 006

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/06/00
Work Order # 0009-10659

Approved by:
R.I. Analytical

Sample #: 006

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/12/00 17:57	JAH
SURROGATES			RANGE	SW-846 8270	9/12/00 17:57	JAH
Phenol-d5	103		24-113%	SW-846 8270	9/12/00 17:57	JAH
2-Fluorophenol	101		25-121%	SW-846 8270	9/12/00 17:57	JAH
2,4,6-Tribromophenol	103		19-122%	SW-846 8270	9/12/00 17:57	JAH
Nitrobenzene-d5	103		23-120%	SW-846 8270	9/12/00 17:57	JAH
2-Fluorobiphenyl	128		30-115%	SW-846 8270	9/12/00 17:57	JAH
P-Terphenyl-d14	119		18-137%	SW-846 8270	9/12/00 17:57	JAH
TOTAL METALS						
ALUMINUM	<3	3	mg/kg dry	SW-846 6010	9/13/00 10:35	TD
ANTIMONY	<5	5	mg/kg dry	SW-846 6010	9/13/00 10:35	TD
ARSENIC	<3	3	mg/kg dry	SW-846 6010	9/13/00 10:35	TD
BARIUM	<0.1	0.1	mg/kg dry	SW-846 6010	9/13/00 10:35	TD
BERYLLIUM	<0.03	0.03	mg/kg dry	SW-846 6010	9/13/00 10:35	TD
CADMIUM	<0.1	0.1	mg/kg dry	SW-846 6010	9/13/00 10:35	TD
CHROMIUM	<0.8	0.8	mg/kg dry	SW-846 6010	9/13/00 10:35	TD
COBALT	<0.8	0.8	mg/kg dry	SW-846 6010	9/13/00 10:35	TD
COPPER	<1	1	mg/kg dry	SW-846 6010	9/13/00 10:35	TD
IRON	<1	1	mg/kg dry	SW-846 6010	9/13/00 10:35	TD
LEAD	<1	1	mg/kg dry	SW-846 6010	9/13/00 10:35	TD
MAGNESIUM	<1	1	mg/kg dry	SW-846 6010	9/13/00 11:36	TD
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	9/12/00 9:09	RJC
NICKEL	<0.5	0.5	mg/kg dry	SW-846 6010	9/13/00 10:35	TD
POTASSIUM	<25	25	mg/kg dry	SW-846 6010	9/13/00 11:36	TD
SELENIUM	<5	5	mg/kg dry	SW-846 6010	9/13/00 10:35	TD
SILVER	<0.5	0.5	mg/kg dry	SW-846 6010	9/13/00 10:35	TD
SODIUM	<80	80	mg/kg dry	SW-846 6010	9/13/00 11:36	TD
THALLIUM	<3	3	mg/kg dry	SW-846 6010	9/13/00 10:35	TD
VANADIUM	<0.5	0.5	mg/kg dry	SW-846 6010	9/13/00 10:35	TD
ZINC	<0.5	0.5	mg/kg dry	SW-846 6010	9/13/00 10:35	TD

White Copy Original (Accompanies Samples) Yellow Copy – Collector Pink Copy – Customer's Copy

R.I. Analytical Laboratories, Inc.

41 Illinois Avenue
Warwick, RI 02888
Phone: (401) 737-8500
Fax: (401) 738-1970

950 Boylston Street, Unit 102
Newton Highlands, MA 02461
Phone: (617) 965-5133
Fax: (617) 965-5624

CHAIN OF CUSTODY RECORD

Page 1 of 1

Container Type Codes:	Preservative Codes:	Matrix Codes:
P=Plastic AG=Amber Glass	NP=Non preserved S=Sulfuric	GW=Groundwater S=Soil
G=Glass St=Sterile	I=Cooled 4°C H=HCL	WW=Wastewater Sl=Sludge
V=Vial	N=Nitric SH=NaOH	DW=Drinking water A=Air
O=Other (describe)	M=Methanol SB=NaHSO4	O=Other (describe) B=Bulk/Solid

Date Collected	Time Collected	Sample ID	G=Grab C=Comp.	Containers # + (code)	Preservative (code)	Matrix (code)	Analysis Request
9/5/00	14:00	NAVSTA-CS-VA3-01	G	3 V 2G	S, M, SB	S	418.1/8015/8260/8270*/ TAL

Client Information

Company Name: FWENC
Address: 195 Barnum
City / State / Zip: Portsmouth
Phone: Josh
Fax:
Contact:

Project Information

Project Name / Location: DOES Pipeline
P.O. Number / Project Number:
Project Manager / Report To: [signature]
Sampled by: Josh [signature]
Reference Proposal:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	9/6/00	1510	[signature]	9/6/00	1510
[signature]	9/6/00	1600	[signature]	9/6/00	1688

Recd on ice

Turn Around Time:
- ☐ Normal
- ☒ 5 business days Surcharges may apply
- ☐ Rush ____ (business days)

Project Comments.
* Low Level VOCs
* Det Limits must meet RIDEM RDEC

RIAL USE ONLY:
- ☒ Pick-Up Only
- ☐ RIAL Sampled
- ☒ Shipped on Ice

RIAL W.O # 10659

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Foster Wheeler
Attn: Mr. Josh Holden
P.O. Box 4350
Middletown, RI 02842

Date Received: 9/08/00
Date Reported: 9/15/00
P.O. #: 020128
Work Order #: 0009-10798

DESCRIPTION: PROJECT# D065 FUEL LINE (TWO SOIL SAMPLES)

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Allen
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/08/00
Work Order # 0009-10798

Approved by:
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: NAVSTA-CS-VA4-01 GRAB 09/07/00 @1300

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/13/00 6:25	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/13/00 6:25	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
tert-Butylbenzene	<0.004	0 004	mg/kg	5035/8260	9/13/00 6:25	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/13/00 6:25	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/13/00 6:25	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6.25	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/13/00 6.25	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/13/00 6:25	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
1,2-Dichloropropane	<0 004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
Ethylbenzene	<0 004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/13/00 6:25	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/08/00
Work Order # 0009-10798

Approved by:
R.I. Analytical

Sample #: 001

NAVSTA-CS-VA4-01 GRAB 09/07/00 @1300

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
Tetrachloroethene	0.010	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	9/13/00 6:25	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	9/13/00 6:25	JL
SURROGATES			RANGE	5035/8260	9/13/00 6:25	JL
Dibromofluoromethane	102		80-120%	5035/8260	9/13/00 6:25	JL
Toluene-d8	97		81-117%	5035/8260	9/13/00 6:25	JL
4-Bromofluorobenzene	99		74-121%	5035/8260	9/13/00 6:25	JL
1,2 Dichloroethane-d4	104		80-120%	5035/8260	9/13/00 6:25	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/08/00
Work Order # 0009-10798

Approved by:
R.I. Analytical

Sample #: 002
SAMPLE DESCRIPTION: NAVSTA-CS-VA4-01 GRAB 09/07/00 @1300

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Benzo(a)anthracene	0.7	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Benzo(b)fluoranthene	0.6	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Benzo(k)fluoranthene	1.1 0.9	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Benzo(a)pyrene	0.6 0.4	0.2	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Chrysene	0.8 0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Fluoranthene	1.5	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/08/00
Work Order # 0009-10798

Approved by: _____
R.I. Analytical

Sample #: 002

NAVSTA-CS-VA4-01 GRAB 09/07/00 @1300

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Phenanthrene	1.0	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Pyrene	1.2	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 21:24	JAH
SURROGATES			RANGE	SW-846 8270	9/14/00 21:24	JAH
Phenol-d5	57		24-113%	SW-846 8270	9/14/00 21:24	JAH
2-Fluorophenol	50		25-121%	SW-846 8270	9/14/00 21:24	JAH
2,4,6-Tribromophenol	102		19-122%	SW-846 8270	9/14/00 21:24	JAH
Nitrobenzene-d5	61		23-120%	SW-846 8270	9/14/00 21:24	JAH
2-Fluorobiphenyl	73		30-115%	SW-846 8270	9/14/00 21:24	JAH
P-Terphenyl-d14	125		18-137%	SW-846 8270	9/14/00 21:24	JAH

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Foster Wheeler
Date Received: 9/08/00
Work Order # 0009-10798

Approved by:
R.I. Analytical

Sample #: 003
SAMPLE DESCRIPTION: NAVSTA-CS-VA4-01 GRAB 09/07/00 @1300

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	20600	1.98	mg/kg dry	SW-846 6010	9/14/00 19:35	VIK
ANTIMONY	<4	4	mg/kg dry	SW-846 6010	9/14/00 19:35	VIK
ARSENIC	9.13	1.98	mg/kg dry	SW-846 6010	9/14/00 19:35	VIK
BARIUM	31.9	0.10	mg/kg dry	SW-846 6010	9/14/00 19:35	VIK
BERYLLIUM	0.44	0.02	mg/kg dry	SW-846 6010	9/14/00 19:35	VIK
CADMIUM	1.41	0.10	mg/kg dry	SW-846 6010	9/14/00 19:35	VIK
CHROMIUM	17.5	0.6	mg/kg dry	SW-846 6010	9/14/00 19:35	VIK
COBALT	10.5	0.6	mg/kg dry	SW-846 6010	9/14/00 19:35	VIK
COPPER	7.94	0.99	mg/kg dry	SW-846 6010	9/14/00 19:35	VIK
IRON	32300	0.99	mg/kg dry	SW-846 6010	9/14/00 21:13	VIK
LEAD	3.17	0.79	mg/kg dry	SW-846 6010	9/14/00 19:35	VIK
MAGNESIUM	3770	0.99	mg/kg dry	SW-846 6010	9/14/00 22.25	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	9/14/00 16.00	RJC
NICKEL	17.3	0.4	mg/kg dry	SW-846 6010	9/14/00 19:35	VIK
POTASSIUM	460	19.8	mg/kg dry	SW-846 6010	9/14/00 22:25	VIK
SELENIUM	<4	4	mg/kg dry	SW-846 6010	9/14/00 19:35	VIK
SILVER	0.40	0.40	mg/kg dry	SW-846 6010	9/14/00 19:35	VIK
SODIUM	85.3	59.5	mg/kg dry	SW-846 6010	9/14/00 22:32	VIK
THALLIUM	<2	2	mg/kg dry	SW-846 6010	9/14/00 19:35	VIK
VANADIUM	18.0	0.4	mg/kg dry	SW-846 6010	9/14/00 19:35	VIK
ZINC	37.9	0.4	mg/kg dry	SW-846 6010	9/14/00 19:35	VIK

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Foster Wheeler
Date Received: 9/08/00
Work Order # 0009-10798

Approved by: R.I. Analytical

Sample #: 004
SAMPLE DESCRIPTION: NAVSTA-CS-VA4-01 GRAB 09/07/00 @1300

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<29	29	mg/kg dry	EPA 418.1	9/11/00 14:50	SWM

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Foster Wheeler
Date Received: 9/08/00
Work Order # 0009-10798

Approved by: R.I. Analytical

Sample #: 005.
SAMPLE DESCRIPTION: NAVSTA-CS-VA4-01 GRAB 09/07/00 @1300

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	9/14/00 13:02	NPV
C9-C24	15	4.0	mg/kg dry	SW846 8015B	9/14/00 13:02	NPV
C24-C36	61	20	mg/kg dry	SW846 8015B	9/14/00 13.02	NPV

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Foster Wheeler
Date Received: 9/08/00
Work Order # 0009-10798

Approved by: R.I. Analytical

Sample #: 006
SAMPLE DESCRIPTION: NAVSTA-CS-VA5-01 GRAB 09/07/00 @1540

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/15/00 7:48	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/15/00 7:48	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/15/00 7:48	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/15/00 7:48	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/15/00 7:48	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/15/00 7 48	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/15/00 7:48	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7 48	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/15/00 7:48	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/08/00
Work Order # 0009-10798

Approved by: R.I. Analytical

Sample #: 006.

NAVSTA-CS-VA5-01 GRAB 09/07/00 @1540

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
Tetrachloroethene	0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	9/15/00 7:48	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	9/15/00 7:48	JL
SURROGATES			RANGE	5035/8260	9/15/00 7:48	JL
Dibromofluoromethane	103		80-120%	5035/8260	9/15/00 7:48	JL
Toluene-d8	96		81-117%	5035/8260	9/15/00 7:48	JL
4-Bromofluorobenzene	107		74-121%	5035/8260	9/15/00 7:48	JL
1,2 Dichloroethane-d4	103		80-120%	5035/8260	9/15/00 7:48	JL

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/08/00
Work Order # 0009-10798

Approved by:
R.I. Analytical

Sample #: 007
SAMPLE DESCRIPTION: NAVSTA-CS-VA5-01 GRAB 09/07/00 @1540

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Benzo(b)fluoranthene	0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Benzo(k)fluoranthene	0.7	0.4	mg/kg dry	SW-846 8270	9/14/00 22.35	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Benzo(a)pyrene	0.3	0.2	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Chrysene	0.4 0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Fluoranthene	0.7	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22.35	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/08/00
Work Order # 0009-10798

Approved by: R.I. Analytical

Sample #: 007

NAVSTA-CS-VA5-01 GRAB 09/07/00 @1540

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Pyrene	0.6	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 22:35	JAH
SURROGATES			RANGE	SW-846 8270	9/14/00 22:35	JAH
Phenol-d5	68		24-113%	SW-846 8270	9/14/00 22:35	JAH
2-Fluorophenol	63		25-121%	SW-846 8270	9/14/00 22:35	JAH
2,4,6-Tribromophenol	114		19-122%	SW-846 8270	9/14/00 22:35	JAH
Nitrobenzene-d5	75		23-120%	SW-846 8270	9/14/00 22:35	JAH
2-Fluorobiphenyl	85		30-115%	SW-846 8270	9/14/00 22:35	JAH
P-Terphenyl-d14	122		18-137%	SW-846 8270	9/14/00 22:35	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/08/00
Work Order # 0009-10798

Approved by:
R.I. Analytical

Sample #: 008
SAMPLE DESCRIPTION: NAVSTA-CS-VA5-01 GRAB 09/07/00 @1540

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	21900	1.78	mg/kg dry	SW-846 6010	9/14/00 20.17	VIK
ANTIMONY	<4	4	mg/kg dry	SW-846 6010	9/14/00 19:41	VIK
ARSENIC	16.2	1.78	mg/kg dry	SW-846 6010	9/14/00 19:41	VIK
BARIUM	29.2	0.09	mg/kg dry	SW-846 6010	9/14/00 19:41	VIK
BERYLLIUM	0.39	0.02	mg/kg dry	SW-846 6010	9/14/00 19:41	VIK
CADMIUM	1.51	0.09	mg/kg dry	SW-846 6010	9/14/00 19:41	VIK
CHROMIUM	16.0	0.53	mg/kg dry	SW-846 6010	9/14/00 19:41	VIK
COBALT	11.0	0.53	mg/kg dry	SW-846 6010	9/14/00 19:41	VIK
COPPER	5.69	0.89	mg/kg dry	SW-846 6010	9/14/00 19:41	VIK
IRON	36200	0.89	mg/kg dry	SW-846 6010	9/14/00 20:17	VIK
LEAD	3.38	0.71	mg/kg dry	SW-846 6010	9/14/00 19:41	VIK
MAGNESIUM	3290	0.89	mg/kg dry	SW-846 6010	9/14/00 22:28	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	9/14/00 16.00	RJC
NICKEL	16.2	0.4	mg/kg dry	SW-846 6010	9/14/00 19:41	VIK
POTASSIUM	509	17.8	mg/kg dry	SW-846 6010	9/14/00 22:28	VIK
SELENIUM	<4	4	mg/kg dry	SW-846 6010	9/14/00 19:41	VIK
SILVER	0.36	0.36	mg/kg dry	SW-846 6010	9/14/00 19:41	VIK
SODIUM	79.2	53.4	mg/kg dry	SW-846 6010	9/14/00 22:35	VIK
THALLIUM	2.14	1.78	mg/kg dry	SW-846 6010	9/14/00 19:41	VIK
VANADIUM	16.5	0.36	mg/kg dry	SW-846 6010	9/14/00 19:41	VIK
ZINC	34.5	0.36	mg/kg dry	SW-846 6010	9/14/00 19:41	VIK

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Foster Wheeler
Date Received: 9/08/00
Work Order # 0009-10798

Approved by: R.I. Analytical

Sample #: 009
SAMPLE DESCRIPTION: NAVSTA-CS-VA5-01 GRAB 09/07/00 @1540

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<29	29	mg/kg dry	EPA 418.1	9/11/00 14:50	SWM

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/08/00
Work Order # 0009-10798

Approved by: R.I. Analytical

Sample #: 010
SAMPLE DESCRIPTION: NAVSTA-CS-VA5-01 GRAB 09/07/00 @1540

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	9/14/00 13:45	NPV
C9-C24	54	4.0	mg/kg dry	SW846 8015B	9/14/00 13:45	NPV
C24-C36	110	20	mg/kg dry	SW846 8015B	9/14/00 13:45	NPV

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/08/00
Work Order # 0009-10798

Approved by: R.I. Analytical

Sample #: 011
SAMPLE DESCRIPTION: PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/13/00 4:53	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/13/00 4:53	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/13/00 4 53	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/13/00 4:53	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/13/00 4:53	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/13/00 4:53	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/13/00 4:53	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Ethylbenzene	<0.004	0 004	mg/kg	5035/8260	9/13/00 4:53	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/13/00 4:53	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/08/00
Work Order # 0009-10798

Approved by: R.I. Analytical

Sample #: 011

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PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/13/00 4.53	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	9/13/00 4:53	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	9/13/00 4:53	JL
SURROGATES			RANGE	5035/8260	9/13/00 4:53	JL
Dibromofluoromethane	107		80-120%	5035/8260	9/13/00 4:53	JL
Toluene-d8	100		81-117%	5035/8260	9/13/00 4:53	JL
4-Bromofluorobenzene	106		74-121%	5035/8260	9/13/00 4:53	JL
1,2 Dichloroethane-d4	104		80-120%	5035/8260	9/13/00 4:53	JL
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Acenaphthylene	<0 4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11.05	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/08/00
Work Order # 0009-10798

Approved by: R.I. Analytical

Sample #: 011

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PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11.05	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11.05	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11 05	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11.05	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Fluoranthene	<0.4	0 4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11.05	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11·05	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11 05	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
1,2,4-Trichlorobenzene	<0.4	0 4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11.05	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11.05	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00 11:05	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/08/00
Work Order # 0009-10798

Approved by:
R.I. Analytical

Sample #: 011

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00	11:05	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00	11:05	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/14/00	11:05	JAH
SURROGATES			RANGE	SW-846 8270	9/14/00	11:05	JAH
Phenol-d5	104		24-113%	SW-846 8270	9/14/00	11:05	JAH
2-Fluorophenol	98		25-121%	SW-846 8270	9/14/00	11:05	JAH
2,4,6-Tribromophenol	127		19-122%	SW-846 8270	9/14/00	11:05	JAH
Nitrobenzene-d5	111		23-120%	SW-846 8270	9/14/00	11:05	JAH
2-Fluorobiphenyl	127		30-115%	SW-846 8270	9/14/00	11:05	JAH
P-Terphenyl-d14	124		18-137%	SW-846 8270	9/14/00	11:05	JAH
TOTAL METALS							
ALUMINUM	<3	3	mg/kg dry	SW-846 6010	9/14/00	19:31	VIK
ANTIMONY	<5	5	mg/kg dry	SW-846 6010	9/14/00	19:31	VIK
ARSENIC	<3	3	mg/kg dry	SW-846 6010	9/14/00	19:31	VIK
BARIUM	<0.1	0.1	mg/kg dry	SW-846 6010	9/14/00	19:31	VIK
BERYLLIUM	<0.03	0.03	mg/kg dry	SW-846 6010	9/14/00	19:31	VIK
CADMIUM	<0.1	0.1	mg/kg dry	SW-846 6010	9/14/00	19:31	VIK
CHROMIUM	<0.8	0.8	mg/kg dry	SW-846 6010	9/14/00	19:31	VIK
COBALT	<0.8	0.8	mg/kg dry	SW-846 6010	9/14/00	19:31	VIK
COPPER	<1	1	mg/kg dry	SW-846 6010	9/14/00	19:31	VIK
IRON	<1	1	mg/kg dry	SW-846 6010	9/14/00	19:31	VIK
LEAD	<1	1	mg/kg dry	SW-846 6010	9/14/00	19:31	VIK
MAGNESIUM	<1	1	mg/kg dry	SW-846 6010	9/14/00	22:18	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	9/14/00	16:00	RJC
NICKEL	<0.5	0.5	mg/kg dry	SW-846 6010	9/14/00	19:31	VIK
POTASSIUM	<25	25	mg/kg dry	SW-846 6010	9/14/00	22:18	VIK
SELENIUM	<5	5	mg/kg dry	SW-846 6010	9/14/00	19:31	VIK
SILVER	<0.5	0.5	mg/kg dry	SW-846 6010	9/14/00	19:31	VIK
SODIUM	<80	80	mg/kg dry	SW-846 6010	9/14/00	22:18	VIK
THALLIUM	<3	3	mg/kg dry	SW-846 6010	9/14/00	19:31	VIK
VANADIUM	<0.5	0.5	mg/kg dry	SW-846 6010	9/14/00	19:31	VIK
ZINC	<0.5	0.5	mg/kg dry	SW-846 6010	9/14/00	19:31	VIK
TPH IR	<25	25	mg/kg dry	EPA 418.1	9/11/00	14:50	SWM
TPH GC							
C6-C9	<12	12	mg/kg dry	SW846 8015B	9/14/00	13:45	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	9/14/00	13:45	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	9/14/00	13:45	NPV

White Copy Original (Accompanies Samples) Yellow Copy – Collector Pink Copy – Customer's Copy

R.I. Analytical Laboratories, Inc.

41 Illinois Avenue
Warwick, RI 02888
Phone: (401) 737-8500
Fax: (401) 738-1970

950 Boylston Street, Unit 102
Newton Highlands, MA 02461
Phone: (617) 965-5133
Fax: (617) 965-5624

CHAIN OF CUSTODY RECORD

Page 1 of 1

Container Type Codes:	Preservative Codes:		Matrix Codes:	
P=Plastic AG=Amber Glass	NP=Non preserved	S=Sulfuric	GW=Groundwater	S=Soil
G=Glass St=Sterile	I=Cooled 4°C	H=HCL	WW=Wastewater	Sl=Sludge
V=Vial	N=Nitric	SH=NaOH	DW=Drinking water	A=Air
O=Other (describe)	M=Methanol	SB=NaHSO4	O=Other (describe)	B=Bulk/Solid

Date Collected	Time Collected	Sample ID	G=Grab C=Comp.	Containers # + (code)	Preservative (code)	Matrix (code)	Analysis Request
9/7/00	1300	NAVSTA - CS - VA4 - 01	G	3V 06	I, M, SB I	S	8260 / 8270 / TAL metals / 418.1 / 8015
9/7/00	1540	NAVSTA - CS - VA5 - 01	G	3 2	"	"	" " " " "

Client Information

Company Name: FWENC
Address: 195 Bonnet Rd
City / State / Zip: Dartmouth
Phone: 685-5259 Fax: 883-5218
Contact: Josh Hold

Project Information

Project Name / Location: DOES Fuel Line
PO Number / Project Number:
Project Manager / Report To: Holden
Sampled by: Holden
Reference Proposal:

Relinquished by:	Date	Time	Received by:	Date	Time
Josh B Hold	9/8/00	1300		9/8/00	1300
	9/8/00	1430	pDuct	9/8/00	1505

Receipt ice

Turn Around Time:
- ☐ Normal
- ☒ 5 business days Surcharges may apply
- ☐ Rush _____ (business days)

Project Comments: New Fuel Lines, must meet RIDEM AIDEC

RIAL USE ONLY:
- ☒ Pick-Up Only
- ☐ RIAL Sampled
- ☐ Shipped on Ice

RIAL W.O. # 10798

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Foster Wheeler
Attn: Mr. Josh Holden
P.O. Box 4350
Middletown, RI 02842

Date Received: 9/12/00
Date Reported: 9/19/00
P.O. #: 020128
Work Order #: 0009-10993

DESCRIPTION: PROJECT# D065 FUEL LINE CLOSURE; NAVSTA-NEWPORT

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Wicij
Vice President

enc: Chain of Custody

Paul Perrotti
Data Reporting Manager

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by: _____
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: NAVSTA-CS-VA8-01 GRAB 09/11/00 @1310

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 001

NAVSTA-CS-VA8-01 GRAB 09/11/00 @1310

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 11:42	JAH
SURROGATES			RANGE	SW-846 8270	9/15/00 11:42	JAH
Phenol-d5	53		24-113%	SW-846 8270	9/15/00 11:42	JAH
2-Fluorophenol	49		25-121%	SW-846 8270	9/15/00 11:42	JAH
2,4,6-Tribromophenol	73		19-122%	SW-846 8270	9/15/00 11:42	JAH
Nitrobenzene-d5	63		23-120%	SW-846 8270	9/15/00 11:42	JAH
2-Fluorobiphenyl	72		30-115%	SW-846 8270	9/15/00 11:42	JAH
P-Terphenyl-d14	118		18-137%	SW-846 8270	9/15/00 11:42	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 002
SAMPLE DESCRIPTION: NAVSTA-CS-VA8-01 GRAB 09/11/00 @1310

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
Bromobenzene	<0.004	0 004	mg/kg	5035/8260	9/18/00 4:07	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/18/00 4:07	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/18/00 4:07	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4 07	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/18/00 4:07	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/18/00 4:07	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/18/00 4:07	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/18/00 4.07	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/18/00 4:07	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
1,2-Dichloropropane	<0.004	0 004	mg/kg	5035/8260	9/18/00 4:07	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/18/00 4:07	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 002

NAVSTA-CS-VA8-01 GRAB 09/11/00 @1310

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4 07	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:07	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	9/18/00 4:07	JL
SURROGATES			RANGE	5035/8260	9/18/00 4:07	JL
Dibromofluoromethane	101		80-120%	5035/8260	9/18/00 4:07	JL
Toluene-d8	99		81-117%	5035/8260	9/18/00 4:07	JL
4-Bromofluorobenzene	98		74-121%	5035/8260	9/18/00 4:07	JL
1,2 Dichloroethane-d4	102		80-120%	5035/8260	9/18/00 4:07	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by: R.I. Analytical

Sample #: 003
SAMPLE DESCRIPTION: NAVSTA-CS-VA8-01 GRAB 09/11/00 @1310

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	6310	1.44	mg/kg dry	SW-846 6010	9/19/00 13:13	TD
ANTIMONY	<2.89	2.89	mg/kg dry	SW-846 6010	9/19/00 13:16	TD
ARSENIC	7.22	1.44	mg/kg dry	SW-846 6010	9/19/00 13:16	TD
BARIUM	20.2	0.07	mg/kg dry	SW-846 6010	9/19/00 13:16	TD
BERYLLIUM	0.26	0.01	mg/kg dry	SW-846 6010	9/19/00 13:16	TD
CADMIUM	1.84	0.07	mg/kg dry	SW-846 6010	9/19/00 13:16	TD
CHROMIUM	11.6	0.43	mg/kg dry	SW-846 6010	9/19/00 13:16	TD
COBALT	11.0	0.43	mg/kg dry	SW-846 6010	9/19/00 13:16	TD
COPPER	15.8	0.72	mg/kg dry	SW-846 6010	9/19/00 13:16	TD
IRON	26800	0.72	mg/kg dry	SW-846 6010	9/19/00 13:13	TD
LEAD	6.36	0.58	mg/kg dry	SW-846 6010	9/19/00 13:16	TD
MAGNESIUM	2730	0.72	mg/kg dry	SW-846 6010	9/19/00 15:57	TD
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	9/19/00 16:41	RJC
NICKEL	24.7	0.29	mg/kg dry	SW-846 6010	9/19/00 13:16	TD
POTASSIUM	766	14.4	mg/kg dry	SW-846 6010	9/19/00 15:57	TD
SELENIUM	<2.89	2.89	mg/kg dry	SW-846 6010	9/19/00 13:16	TD
SILVER	0.58	0.29	mg/kg dry	SW-846 6010	9/19/00 13:16	TD
SODIUM	72	43	mg/kg dry	SW-846 6010	9/19/00 15 57	TD
THALLIUM	<1.44	1.44	mg/kg dry	SW-846 6010	9/19/00 13:16	TD
VANADIUM	12.9	0.29	mg/kg dry	SW-846 6010	9/19/00 13:16	TD
ZINC	54.2	0.29	mg/kg dry	SW-846 6010	9/19/00 13:16	TD

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 004
SAMPLE DESCRIPTION: NAVSTA-CS-VA8-01 GRAB 09/11/00 @1310

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<29	29	mg/kg dry	EPA 418.1	9/13/00 14.59	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 005
SAMPLE DESCRIPTION: NAVSTA-CS-VA8-01 GRAB 09/11/00 @1310

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	9/15/00 11:18	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	9/15/00 11:18	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	9/15/00 11:18	NPV

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 006
SAMPLE DESCRIPTION: NAVSTA-CS-VA7-01 GRAB 09/12/00 @0730

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS							
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12 54	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12.54	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00	12:54	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 006

NAVSTA-CS-VA7-01 GRAB 09/12/00 @0730

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 12:54	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 12:54	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 12:54	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 12:54	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 12:54	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 12:54	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 12:54	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 12:54	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 12:54	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 12:54	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 12:54	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 12:54	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 12:54	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 12:54	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 12:54	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 12:54	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 12:54	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 12:54	JAH
SURROGATES			RANGE	SW-846 8270	9/15/00 12:54	JAH
Phenol-d5	71		24-113%	SW-846 8270	9/15/00 12:54	JAH
2-Fluorophenol	42		25-121%	SW-846 8270	9/15/00 12:54	JAH
2,4,6-Tribromophenol	69		19-122%	SW-846 8270	9/15/00 12:54	JAH
Nitrobenzene-d5	87		23-120%	SW-846 8270	9/15/00 12:54	JAH
2-Fluorobiphenyl	103		30-115%	SW-846 8270	9/15/00 12:54	JAH
P-Terphenyl-d14	157		18-137%	SW-846 8270	9/15/00 12:54	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 007
SAMPLE DESCRIPTION: NAVSTA-CS-VA7-01 GRAB 09/12/00 @0730

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/18/00 4:53	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/18/00 4:53	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/18/00 4:53	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/18/00 4:53	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/18/00 4:53	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/18/00 4:53	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/18/00 4:53	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 007

NAVSTA-CS-VA7-01 GRAB 09/12/00 @0730

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	9/18/00 4:53	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	9/18/00 4:53	JL
SURROGATES			RANGE	5035/8260	9/18/00 4:53	JL
Dibromofluoromethane	100		80-120%	5035/8260	9/18/00 4:53	JL
Toluene-d8	100		81-117%	5035/8260	9/18/00 4:53	JL
4-Bromofluorobenzene	94		74-121%	5035/8260	9/18/00 4:53	JL
1,2 Dichloroethane-d4	103		80-120%	5035/8260	9/18/00 4:53	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 008
SAMPLE DESCRIPTION: NAVSTA-CS-VA7-01 GRAB 09/12/00 @0730

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	7430	1.43	mg/kg dry	SW-846 6010	9/19/00 13:21	TD
ANTIMONY	<2.86	2.86	mg/kg dry	SW-846 6010	9/19/00 13:24	TD
ARSENIC	10.0	1.43	mg/kg dry	SW-846 6010	9/19/00 13:24	TD
BARIUM	18.3	0.07	mg/kg dry	SW-846 6010	9/19/00 13:24	TD
BERYLLIUM	0.28	0.01	mg/kg dry	SW-846 6010	9/19/00 13:24	TD
CADMIUM	2.00	0.07	mg/kg dry	SW-846 6010	9/19/00 13:24	TD
CHROMIUM	11.7	0.43	mg/kg dry	SW-846 6010	9/19/00 13:24	TD
COBALT	12.3	0.43	mg/kg dry	SW-846 6010	9/19/00 13:24	TD
COPPER	16.4	0.71	mg/kg dry	SW-846 6010	9/19/00 13:24	TD
IRON	32900	0.71	mg/kg dry	SW-846 6010	9/19/00 13:21	TD
LEAD	6.86	0.57	mg/kg dry	SW-846 6010	9/19/00 13:24	TD
MAGNESIUM	3160	0.71	mg/kg dry	SW-846 6010	9/19/00 15:59	TD
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	9/19/00 16:41	RJC
NICKEL	32.4	0.28	mg/kg dry	SW-846 6010	9/19/00 13:24	TD
POTASSIUM	528	14.3	mg/kg dry	SW-846 6010	9/19/00 15:59	TD
SELENIUM	<2.86	2.86	mg/kg dry	SW-846 6010	9/19/00 13:24	TD
SILVER	0.57	0.28	mg/kg dry	SW-846 6010	9/19/00 13:24	TD
SODIUM	60	40	mg/kg dry	SW-846 6010	9/19/00 15:59	TD
THALLIUM	<1.43	1.43	mg/kg dry	SW-846 6010	9/19/00 13:24	TD
VANADIUM	13.0	0.28	mg/kg dry	SW-846 6010	9/19/00 13:24	TD
ZINC	58.8	0.28	mg/kg dry	SW-846 6010	9/19/00 13:24	TD

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 009
SAMPLE DESCRIPTION: NAVSTA-CS-VA7-01 GRAB 09/12/00 @0730

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<28	28	mg/kg dry	EPA 418.1	9/13/00 14:59	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 010
SAMPLE DESCRIPTION: NAVSTA-CS-VA7-01 GRAB 09/12/00 @0730

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	9/15/00 11:18	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	9/15/00 11:18	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	9/15/00 11:18	NPV

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 011
SAMPLE DESCRIPTION: NAVSTA-CS-VE8-01 GRAB 09/12/00 @0830

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Benzidine	<0 4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15 57	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15.57	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 011

NAVSTA-CS-VE8-01 GRAB 09/12/00 @0830

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15.57	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/18/00 15:57	JAH
SURROGATES			RANGE	SW-846 8270	9/18/00 15:57	JAH
Phenol-d5	79		24-113%	SW-846 8270	9/18/00 15:57	JAH
2-Fluorophenol	64		25-121%	SW-846 8270	9/18/00 15:57	JAH
2,4,6-Tribromophenol	57		19-122%	SW-846 8270	9/18/00 15:57	JAH
Nitrobenzene-d5	80		23-120%	SW-846 8270	9/18/00 15:57	JAH
2-Fluorobiphenyl	90		30-115%	SW-846 8270	9/18/00 15:57	JAH
P-Terphenyl-d14	99		18-137%	SW-846 8270	9/18/00 15:57	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 012
SAMPLE DESCRIPTION: NAVSTA-CS-VE8-01 GRAB 09/12/00 @0830

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/18/00 5:39	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/18/00 5:39	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/18/00 5:39	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/18/00 5:39	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/18/00 5:39	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/18/00 5:39	JL
1,1-Dichloroethane	<0 004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
1,1-Dichloroethene	<0.004	0 004	mg/kg	5035/8260	9/18/00 5:39	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
1,2-Dichloropropane	<0 004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/18/00 5:39	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 012

NAVSTA-CS-VE8-01 GRAB 09/12/00 @0830

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
1,1,2,2-Tetrachloroethane	<0 004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5:39	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	9/18/00 5.39	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	9/18/00 5:39	JL
SURROGATES			RANGE	5035/8260	9/18/00 5:39	JL
Dibromofluoromethane	101		80-120%	5035/8260	9/18/00 5:39	JL
Toluene-d8	102		81-117%	5035/8260	9/18/00 5:39	JL
4-Bromofluorobenzene	111		74-121%	5035/8260	9/18/00 5:39	JL
1,2 Dichloroethane-d4	102		80-120%	5035/8260	9/18/00 5:39	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by: _____
R.I. Analytical

Sample #: 013
SAMPLE DESCRIPTION: NAVSTA-CS-VE8-01 GRAB 09/12/00 @0830

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	6180	1.39	mg/kg dry	SW-846 6010	9/19/00 13:37	TD
ANTIMONY	<2.78	2.78	mg/kg dry	SW-846 6010	9/19/00 13:40	TD
ARSENIC	9.72	1.39	mg/kg dry	SW-846 6010	9/19/00 13 40	TD
BARIUM	16.9	0.07	mg/kg dry	SW-846 6010	9/19/00 13:40	TD
BERYLLIUM	0.25	0.01	mg/kg dry	SW-846 6010	9/19/00 13:40	TD
CADMIUM	1.82	0.07	mg/kg dry	SW-846 6010	9/19/00 13:40	TD
CHROMIUM	10.3	0.42	mg/kg dry	SW-846 6010	9/19/00 13:40	TD
COBALT	12.5	0.42	mg/kg dry	SW-846 6010	9/19/00 13:40	TD
COPPER	17.9	0.69	mg/kg dry	SW-846 6010	9/19/00 13:40	TD
IRON	29800	0.69	mg/kg dry	SW-846 6010	9/19/00 13:37	TD
LEAD	5.83	0.56	mg/kg dry	SW-846 6010	9/19/00 13:40	TD
MAGNESIUM	1220	0.69	mg/kg dry	SW-846 6010	9/19/00 16:06	TD
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	9/19/00 16:41	RJC
NICKEL	22.5	0.28	mg/kg dry	SW-846 6010	9/19/00 13:40	TD
POTASSIUM	930	14	mg/kg dry	SW-846 6010	9/19/00 16:06	TD
SELENIUM	<2.78	2.78	mg/kg dry	SW-846 6010	9/19/00 13:40	TD
SILVER	0.42	0.28	mg/kg dry	SW-846 6010	9/19/00 13:40	TD
SODIUM	100	40	mg/kg dry	SW-846 6010	9/19/00 16:06	TD
THALLIUM	<1.39	1.39	mg/kg dry	SW-846 6010	9/19/00 13:40	TD
VANADIUM	12.4	0.28	mg/kg dry	SW-846 6010	9/19/00 13:40	TD
ZINC	51.5	0.28	mg/kg dry	SW-846 6010	9/19/00 13:40	TD

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 014
SAMPLE DESCRIPTION: NAVSTA-CS-VE8-01 GRAB 09/12/00 @0830

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<28	28	mg/kg dry	EPA 418.1	9/13/00 14:59	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 015
SAMPLE DESCRIPTION: NAVSTA-CS-VE8-01 GRAB 09/12/00 @0830

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	9/15/00 11:18	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	9/15/00 11:18	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	9/15/00 11:18	NPV

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 016
SAMPLE DESCRIPTION: PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 016

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16.27	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16.27	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16 27	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16.27	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16 27	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16.27	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/15/00 16:27	JAH
SURROGATES			RANGE	SW-846 8270	9/15/00 16:27	JAH
Phenol-d5	81		24-113%	SW-846 8270	9/15/00 16:27	JAH
2-Fluorophenol	76		25-121%	SW-846 8270	9/15/00 16:27	JAH
2,4,6-Tribromophenol	92		19-122%	SW-846 8270	9/15/00 16:27	JAH
Nitrobenzene-d5	99		23-120%	SW-846 8270	9/15/00 16:27	JAH
2-Fluorobiphenyl	111		30-115%	SW-846 8270	9/15/00 16:27	JAH
P-Terphenyl-d14	159		18-137%	SW-846 8270	9/15/00 16.27	JAH
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/18/00 3:21	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/18/00 3:21	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3 21	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/18/00 3:21	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 016

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/18/00 3:21	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/18/00 3:21	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/18/00 3:21	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3.21	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 3.21	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/18/00 3:21	JL
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3.21	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 3.21	JL
',2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
.,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/12/00
Work Order # 0009-10993

Approved by:
R.I. Analytical

Sample #: 016

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	9/18/00 3:21	JL
SURROGATES			RANGE	5035/8260	9/18/00 3:21	JL
Dibromofluoromethane	102		80-120%	5035/8260	9/18/00 3:21	JL
Toluene-d8	104		81-117%	5035/8260	9/18/00 3:21	JL
4-Bromofluorobenzene	99		74-121%	5035/8260	9/18/00 3:21	JL
1,2 Dichloroethane-d4	105		80-120%	5035/8260	9/18/00 3:21	JL
TOTAL METALS						
ALUMINUM	<3	3	mg/kg dry	SW-846 6010	9/19/00 13:05	TD
ANTIMONY	<5	5	mg/kg dry	SW-846 6010	9/19/00 13:05	TD
ARSENIC	<3	3	mg/kg dry	SW-846 6010	9/19/00 13:05	TD
BARIUM	<0.1	0.1	mg/kg dry	SW-846 6010	9/19/00 13:05	TD
BERYLLIUM	<0.03	0.03	mg/kg dry	SW-846 6010	9/19/00 13:05	TD
CADMIUM	<0.1	0.1	mg/kg dry	SW-846 6010	9/19/00 13:05	TD
CHROMIUM	<0.8	0.8	mg/kg dry	SW-846 6010	9/19/00 13:05	TD
COBALT	<0.8	0.8	mg/kg dry	SW-846 6010	9/19/00 13:05	TD
COPPER	<1	1	mg/kg dry	SW-846 6010	9/19/00 13:05	TD
IRON	<1	1	mg/kg dry	SW-846 6010	9/19/00 13:05	TD
LEAD	<1	1	mg/kg dry	SW-846 6010	9/19/00 13:05	TD
MAGNESIUM	<1	1	mg/kg dry	SW-846 6010	9/19/00 13:05	TD
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	9/19/00 16:41	RJC
NICKEL	<0.5	0.5	mg/kg dry	SW-846 6010	9/19/00 13:05	TD
POTASSIUM	<25	25	mg/kg dry	SW-846 6010	9/19/00 15:50	TD
SELENIUM	<5	5	mg/kg dry	SW-846 6010	9/19/00 13:05	TD
SILVER	<0.5	0.5	mg/kg dry	SW-846 6010	9/19/00 13:05	TD
SODIUM	<75	75	mg/kg dry	SW-846 6010	9/19/00 15:50	TD
THALLIUM	<3	3	mg/kg dry	SW-846 6010	9/19/00 13:05	TD
VANADIUM	<0.5	0.5	mg/kg dry	SW-846 6010	9/19/00 13:05	TD
ZINC	<0.5	0.5	mg/kg dry	SW-846 6010	9/19/00 13.05	TD
TPH IR	<25	25	mg/kg dry	EPA 418.1	9/13/00 14:59	SWM
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	9/15/00 11:18	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	9/15/00 11:18	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	9/15/00 11:18	NPV

White Copy Original (Accompanies Samples) Yellow Copy – Collector Pink Copy – Customer's Copy

R.I. Analytical Laboratories, Inc.

41 Illinois Avenue
Warwick, RI 02888
Phone: (401) 737-8500
Fax: (401) 738-1970

950 Boylston Street, Unit 102
Newton Highlands, MA 02461
Phone: (617) 965-5133
Fax: (617) 965-5624

CHAIN OF CUSTODY RECORD

Page 1 of 1

Container Type Codes:	Preservative Codes:	Matrix Codes:
P=Plastic AG=Amber Glass	NP=Non preserved S=Sulfuric	GW=Groundwater S=Soil
G=Glass St=Sterile	I=Cooled 4°C H=HCL	WW=Wastewater SI=Sludge
V=Vial	N=Nitric SH=NaOH	DW=Drinking water A=Air
O=Other (describe)	M=Methanol SB=NaHSO4	O=Other (describe) B=Bulk/Solid

Date Collected	Time Collected	Sample ID	G=Grab C=Comp.	Containers # + (code)	Preservative (code)	Matrix (code)	Analysis Request
9/11/00	1310	NAUSTA-CS-UAB-01	G	3U 2G	I,M,SB I	S	8270/8260/TAL metals/418.1/8015
9/12/00	0730	↓ - ↓ - UAM-01	↓	↓	↓	↓	
9/12/00	0830	NAUSTA-CS-UEB-01	G	3U 2G	I,M,SB I	S	8270/8260/TAL metals/418.1/8015

Client Information

Company Name: FWENC
Address: 195 Burma Rd
City / State / Zip: Portsmouth, RI
Phone: 683-5259 Fax: 683-5218
Contact:

Project Information

Project Name / Location: Fuel Line Closure; NAUSTA-Newport
P.O Number / Project Number: 0065
Project Manager / Report To: Holden
Sampled by: Holden/Urbanek
Reference Proposal:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	9/12/00	1600	[signature]	9/12/00	1600
[signature]	9/12/00	1655	[signature]	9/12/00	2048

Recd on ICC

Turn Around Time:
- ☐ Normal
- ☒ 5 business days Surcharges may apply
- ☐ Rush _____ (business days)

Project Comments: Low VOCs required; Detection Limits must meet RIDEM RIDEC

RIAL USE ONLY:
- ☒ Pick-Up Only
- ☐ RIAL Sampled
- ☒ Shipped on Ice

RIAL W.O. # 10993

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Foster Wheeler
Attn: Mr. Josh Holden
P.O. Box 4350
Middletown, RI 02842

Date Received: 9/14/00
Date Reported: 9/21/00
P.O. #: 020128
Work Order #: 0009-11116

DESCRIPTION: PROJECT #D065 PIPELINE (THREE SOIL SAMPLES)

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Rich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: _____
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: NAVSTA-CS-VE10-01 GRAB 9/13/00 @1315

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: R.I. Analytical

Sample #: 001

NAVSTA-CS-VE10-01 GRAB 9/13/00 @1315

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 19:13	JAH
SURROGATES			RANGE	SW-846 8270	9/20/00 19:13	JAH
Phenol-d5	50		24-113%	SW-846 8270	9/20/00 19:13	JAH
2-Fluorophenol	37		25-121%	SW-846 8270	9/20/00 19:13	JAH
2,4,6-Tribromophenol	26		19-122%	SW-846 8270	9/20/00 19:13	JAH
Nitrobenzene-d5	63		23-120%	SW-846 8270	9/20/00 19:13	JAH
2-Fluorobiphenyl	65		30-115%	SW-846 8270	9/20/00 19:13	JAH
P-Terphenyl-d14	69		18-137%	SW-846 8270	9/20/00 19:13	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: _____
R.I. Analytical

Sample #: 002
SAMPLE DESCRIPTION: NAVSTA-CS-VE10-01 GRAB 9/13/00 @1315

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/18/00 6:25	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/18/00 6:25	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/18/00 6:25	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/18/00 6:25	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/18/00 6.25	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/18/00 6:25	JL
1,1-Dichloroethane	<0 004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
2,2-Dichloropropane	<0 004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
1,1-Dichloropropene	<0 004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
Hexachlorobutadiene	<0 004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
Methylene Chloride	<0 01	0.01	mg/kg	5035/8260	9/18/00 6:25	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: R.I. Analytical

Sample #: 002

NAVSTA-CS-VE10-01 GRAB 9/13/00 @1315

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	9/18/00 6:25	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	9/18/00 6:25	JL
SURROGATES			RANGE	5035/8260	9/18/00 6:25	JL
Dibromofluoromethane	104		80-120%	5035/8260	9/18/00 6:25	JL
Toluene-d8	103		81-117%	5035/8260	9/18/00 6:25	JL
4-Bromofluorobenzene	88		74-121%	5035/8260	9/18/00 6:25	JL
1,2 Dichloroethane-d4	107		80-120%	5035/8260	9/18/00 6:25	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: R.I. Analytical

Sample #: 003
SAMPLE DESCRIPTION: NAVSTA-CS-VE10-01 GRAB 9/13/00 @1315

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	5930	1.46	mg/kg dry	SW-846 6010	9/21/00 11:26	TD
ANTIMONY	<2.9	2.9	mg/kg dry	SW-846 6010	9/21/00 10:22	TD
ARSENIC	7.29	1.46	mg/kg dry	SW-846 6010	9/21/00 10:22	TD
BARIUM	17.2	0.07	mg/kg dry	SW-846 6010	9/21/00 10:22	TD
BERYLLIUM	0.32	0.01	mg/kg dry	SW-846 6010	9/21/00 10:22	TD
CADMIUM	1.44	0.07	mg/kg dry	SW-846 6010	9/21/00 10:22	TD
CHROMIUM	8.02	0.44	mg/kg dry	SW-846 6010	9/21/00 10:22	TD
COBALT	9.33	0.44	mg/kg dry	SW-846 6010	9/21/00 10:22	TD
COPPER	11.4	0.73	mg/kg dry	SW-846 6010	9/21/00 10:22	TD
IRON	20000	0.73	mg/kg dry	SW-846 6010	9/21/00 11:26	TD
LEAD	5.25	0.58	mg/kg dry	SW-846 6010	9/21/00 10:22	TD
MAGNESIUM	1720	0.73	mg/kg dry	SW-846 6010	9/21/00 12:37	TD
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	9/21/00 9:08	RJC
NICKEL	15.7	0.29	mg/kg dry	SW-846 6010	9/21/00 10:22	TD
POTASSIUM	450	15	mg/kg dry	SW-846 6010	9/21/00 12:37	TD
SELENIUM	<2.9	2.9	mg/kg dry	SW-846 6010	9/21/00 10:22	TD
SILVER	<0.29	0.29	mg/kg dry	SW-846 6010	9/21/00 10:22	TD
SODIUM	60	40	mg/kg dry	SW-846 6010	9/21/00 12:37	TD
THALLIUM	<1.46	1.46	mg/kg dry	SW-846 6010	9/21/00 10:22	TD
VANADIUM	10.0	0.29	mg/kg dry	SW-846 6010	9/21/00 10:22	TD
ZINC	36.3	0.29	mg/kg dry	SW-846 6010	9/21/00 10:22	TD

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: R.I. Analytical

Sample #: 004
SAMPLE DESCRIPTION: NAVSTA-CS-VE10-01 GRAB 9/13/00 @1315

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<28	28	mg/kg dry	EPA 418.1	9/15/00 15:07	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: R.I. Analytical

Sample #: 005
SAMPLE DESCRIPTION: NAVSTA-CS-VE10-01 GRAB 9/13/00 @1315

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	9/21/00 3:36	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	9/21/00 3:36	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	9/21/00 3:36	NPV

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: _____
R.I. Analytical

Sample #: 006
SAMPLE DESCRIPTION: NAVSTA-CS-VE9-01 GRAB 9/13/00 @1600

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17 50	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: _____
R.I. Analytical

Sample #: 006

NAVSTA-CS-VE9-01 GRAB 9/13/00 @1600

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17 50	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/20/00 17:50	JAH
SURROGATES			RANGE	SW-846 8270	9/20/00 17.50	JAH
Phenol-d5	46		24-113%	SW-846 8270	9/20/00 17.50	JAH
2-Fluorophenol	40		25-121%	SW-846 8270	9/20/00 17:50	JAH
2,4,6-Tribromophenol	39		19-122%	SW-846 8270	9/20/00 17:50	JAH
Nitrobenzene-d5	53		23-120%	SW-846 8270	9/20/00 17:50	JAH
2-Fluorobiphenyl	67		30-115%	SW-846 8270	9/20/00 17:50	JAH
P-Terphenyl-d14	70		18-137%	SW-846 8270	9/20/00 17:50	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: _____
R.I. Analytical

Sample #: 007
SAMPLE DESCRIPTION: NAVSTA-CS-VE9-01 GRAB 9/13/00 @1600

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/18/00 7:11	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/18/00 7:11	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/18/00 7:11	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/18/00 7:11	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/18/00 7:11	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/18/00 7:11	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/18/00 7:11	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by:
R.I. Analytical

Sample #: 007

NAVSTA-CS-VE9-01 GRAB 9/13/00 @1600

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7.11	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:11	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	9/18/00 7:11	JL
SURROGATES			RANGE	5035/8260	9/18/00 7:11	JL
Dibromofluoromethane	100		80-120%	5035/8260	9/18/00 7:11	JL
Toluene-d8	101		81-117%	5035/8260	9/18/00 7:11	JL
4-Bromofluorobenzene	103		74-121%	5035/8260	9/18/00 7:11	JL
1,2 Dichloroethane-d4	102		80-120%	5035/8260	9/18/00 7:11	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: _____
R.I. Analytical

Sample #: 008
SAMPLE DESCRIPTION: NAVSTA-CS-VE9-01 GRAB 9/13/00 @1600

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	7670	1.46	mg/kg dry	SW-846 6010	9/21/00 11:34	TD
ANTIMONY	<2.9	2.9	mg/kg dry	SW-846 6010	9/21/00 10:29	TD
ARSENIC	7.29	1.46	mg/kg dry	SW-846 6010	9/21/00 10:29	TD
BARIUM	28.6	0.07	mg/kg dry	SW-846 6010	9/21/00 10:29	TD
BERYLLIUM	0.28	0.01	mg/kg dry	SW-846 6010	9/21/00 10:29	TD
CADMIUM	1.14	0.07	mg/kg dry	SW-846 6010	9/21/00 10:29	TD
CHROMIUM	10.9	0.44	mg/kg dry	SW-846 6010	9/21/00 10:29	TD
COBALT	7.29	0.44	mg/kg dry	SW-846 6010	9/21/00 10:29	TD
COPPER	9 33	0.73	mg/kg dry	SW-846 6010	9/21/00 10:29	TD
IRON	19100	0.73	mg/kg dry	SW-846 6010	9/21/00 11:34	TD
LEAD	12.5	0.58	mg/kg dry	SW-846 6010	9/21/00 10:29	TD
MAGNESIUM	2870	0.73	mg/kg dry	SW-846 6010	9/21/00 10:29	TD
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	9/21/00 9:08	RJC
NICKEL	15.4	0.29	mg/kg dry	SW-846 6010	9/21/00 10:29	TD
POTASSIUM	641	15	mg/kg dry	SW-846 6010	9/21/00 12 43	TD
SELENIUM	<2.9	2.9	mg/kg dry	SW-846 6010	9/21/00 10:29	TD
SILVER	<0.29	0.29	mg/kg dry	SW-846 6010	9/21/00 10:29	TD
SODIUM	102	44	mg/kg dry	SW-846 6010	9/21/00 12:43	TD
THALLIUM	<1.5	1.5	mg/kg dry	SW-846 6010	9/21/00 10:29	TD
VANADIUM	10.2	0.29	mg/kg dry	SW-846 6010	9/21/00 10:29	TD
ZINC	32.5	0.29	mg/kg dry	SW-846 6010	9/21/00 10:29	TD

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: _____
R.I. Analytical

Sample #: 009
SAMPLE DESCRIPTION: NAVSTA-CS-VE9-01 GRAB 9/13/00 @1600

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<30	30	mg/kg dry	EPA 418.1	9/15/00 15:07	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: _____
R.I. Analytical

Sample #: 010
SAMPLE DESCRIPTION: NAVSTA-CS-VE9-01 GRAB 9/13/00 @1600

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	9/21/00 4:18	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	9/21/00 4:18	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	9/21/00 4:18	NPV

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: R.I. Analytical

Sample #: 011
SAMPLE DESCRIPTION: NAVSTA-CS-VA9-01 GRAB 9/13/00 @1345

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: _____
R.I. Analytical

Sample #: 011

NAVSTA-CS-VA9-01 GRAB 9/13/00 @1345

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 9:56	JAH
SURROGATES			RANGE	SW-846 8270	9/21/00 9:56	JAH
Phenol-d5	54		24-113%	SW-846 8270	9/21/00 9:56	JAH
2-Fluorophenol	32		25-121%	SW-846 8270	9/21/00 9:56	JAH
2,4,6-Tribromophenol	32		19-122%	SW-846 8270	9/21/00 9:56	JAH
Nitrobenzene-d5	71		23-120%	SW-846 8270	9/21/00 9:56	JAH
2-Fluorobiphenyl	58		30-115%	SW-846 8270	9/21/00 9:56	JAH
P-Terphenyl-d14	103		18-137%	SW-846 8270	9/21/00 9:56	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: R.I. Analytical

Sample #: 012
SAMPLE DESCRIPTION: NAVSTA-CS-VA9-01 GRAB 9/13/00 @1345

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/18/00 7:58	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/18/00 7:58	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/18/00 7:58	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/18/00 7:58	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/18/00 7:58	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
1,4-Dichlorobenzene	<0 004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/18/00 7:58	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
1,1-Dichloropropene	<0:004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7.58	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/18/00 7:58	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: R.I. Analytical

Sample #: 012

NAVSTA-CS-VA9-01 GRAB 9/13/00 @1345

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	9/18/00 7:58	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	9/18/00 7:58	JL
SURROGATES			RANGE	5035/8260	9/18/00 7:58	JL
Dibromofluoromethane	102		80-120%	5035/8260	9/18/00 7:58	JL
Toluene-d8	101		81-117%	5035/8260	9/18/00 7:58	JL
4-Bromofluorobenzene	105		74-121%	5035/8260	9/18/00 7:58	JL
1,2 Dichloroethane-d4	100		80-120%	5035/8260	9/18/00 7:58	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: _____
R.I. Analytical

Sample #: 013-
SAMPLE DESCRIPTION: NAVSTA-CS-VA9-01 GRAB 9/13/00 @1345

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	4100	1.58	mg/kg dry	SW-846 6010	9/21/00 10:25	TD
ANTIMONY	<3.15	3.15	mg/kg dry	SW-846 6010	9/21/00 10:25	TD
ARSENIC	3.15	1.58	mg/kg dry	SW-846 6010	9/21/00 10:25	TD
BARIUM	12.5	0.08	mg/kg dry	SW-846 6010	9/21/00 10:25	TD
BERYLLIUM	0.17	0.02	mg/kg dry	SW-846 6010	9/21/00 10:25	TD
CADMIUM	0.98	0.08	mg/kg dry	SW-846 6010	9/21/00 10:25	TD
CHROMIUM	4.73	0.47	mg/kg dry	SW-846 6010	9/21/00 10:25	TD
COBALT	5.20	0.47	mg/kg dry	SW-846 6010	9/21/00 10:25	TD
COPPER	7.41	0.79	mg/kg dry	SW-846 6010	9/21/00 10:25	TD
IRON	12500	0.79	mg/kg dry	SW-846 6010	9/21/00 11:30	TD
LEAD	4.10	0.63	mg/kg dry	SW-846 6010	9/21/00 10:25	TD
MAGNESIUM	1440	0.79	mg/kg dry	SW-846 6010	9/21/00 12:40	TD
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	9/21/00 9:08	RJC
NICKEL	10.9	0.32	mg/kg dry	SW-846 6010	9/21/00 10:25	TD
POTASSIUM	430	16	mg/kg dry	SW-846 6010	9/21/00 12:40	TD
SELENIUM	<3.15	3.15	mg/kg dry	SW-846 6010	9/21/00 10:25	TD
SILVER	<0.32	0.32	mg/kg dry	SW-846 6010	9/21/00 10:25	TD
SODIUM	80	50	mg/kg dry	SW-846 6010	9/21/00 12:40	TD
THALLIUM	<1.58	1.58	mg/kg dry	SW-846 6010	9/21/00 10:25	TD
VANADIUM	5.83	0.32	mg/kg dry	SW-846 6010	9/21/00 10:25	TD
ZINC	24.6	0.32	mg/kg dry	SW-846 6010	9/21/00 10:25	TD

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: R.I. Analytical

Sample #: 014
SAMPLE DESCRIPTION: NAVSTA-CS-VA9-01 GRAB 9/13/00 @1345

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<30	30	mg/kg dry	EPA 418.1	9/15/00 15:07	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: _____
R.I. Analytical

Sample #: 015
SAMPLE DESCRIPTION: NAVSTA-CS-VA9-01 GRAB 9/13/00 @1345

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	9/21/00 5:00	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	9/21/00 5:00	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	9/21/00 5:00	NPV

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: _____
R.I. Analytical

Sample #: 016
SAMPLE DESCRIPTION: PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
TPH IR	<25	25	mg/kg dry	EPA 418.1	9/15/00	15:07	SWM
TPH GC							
C6-C9	<12	12	mg/kg dry	SW846 8015B	9/21/00	2:13	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	9/21/00	2:13	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	9/21/00	2:13	NPV
Volatile Organic Compounds							
Benzene	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/18/00	3:21	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/18/00	3:21	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/18/00	3:21	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/18/00	3:21	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/18/00	3:21	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/18/00	3:21	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00	3:21	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: R.I. Analytical

Sample #: 016

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PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/18/00 3:21	JL
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	9/18/00 3:21	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	9/18/00 3:21	JL
SURROGATES			RANGE	5035/8260	9/18/00 3:21	JL
Dibromofluoromethane	102		80-120%	5035/8260	9/18/00 3:21	JL
Toluene-d8	104		81-117%	5035/8260	9/18/00 3:21	JL
4-Bromofluorobenzene	99		74-121%	5035/8260	9/18/00 3:21	JL
1,2 Dichloroethane-d4	105		80-120%	5035/8260	9/18/00 3:21	JL
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by: _____
R.I. Analytical

Sample #: 016

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PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10 53	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/14/00
Work Order # 0009-11116

Approved by:
R.I. Analytical

Sample #: 016-

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PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/21/00 10:53	JAH
SURROGATES			RANGE	SW-846 8270	9/21/00 10:53	JAH
Phenol-d5	53		24-113%	SW-846 8270	9/21/00 10:53	JAH
2-Fluorophenol	44		25-121%	SW-846 8270	9/21/00 10:53	JAH
2,4,6-Tribromophenol	41		19-122%	SW-846 8270	9/21/00 10:53	JAH
Nitrobenzene-d5	69		23-120%	SW-846 8270	9/21/00 10:53	JAH
2-Fluorobiphenyl	64		30-115%	SW-846 8270	9/21/00 10:53	JAH
P-Terphenyl-d14	82		18-137%	SW-846 8270	9/21/00 10:53	JAH
TOTAL METALS						
ALUMINUM	<3	3	mg/kg dry	SW-846 6010	9/21/00 10:14	TD
ANTIMONY	<5	5	mg/kg dry	SW-846 6010	9/21/00 10:14	TD
ARSENIC	<3	3	mg/kg dry	SW-846 6010	9/21/00 10:14	TD
BARIUM	<0.1	0.1	mg/kg dry	SW-846 6010	9/21/00 10:14	TD
BERYLLIUM	<0.03	0.03	mg/kg dry	SW-846 6010	9/21/00 10:14	TD
CADMIUM	<0.1	0.1	mg/kg dry	SW-846 6010	9/21/00 10:14	TD
CHROMIUM	<0.8	0.8	mg/kg dry	SW-846 6010	9/21/00 10:14	TD
COBALT	<0.8	0.8	mg/kg dry	SW-846 6010	9/21/00 10:14	TD
COPPER	<1	1	mg/kg dry	SW-846 6010	9/21/00 10:14	TD
IRON	<1	1	mg/kg dry	SW-846 6010	9/21/00 10:14	TD
LEAD	<1	1	mg/kg dry	SW-846 6010	9/21/00 10:14	TD
MAGNESIUM	<1	1	mg/kg dry	SW-846 6010	9/21/00 12:18	TD
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	9/21/00 9:08	RJC
NICKEL	<0.5	0.5	mg/kg dry	SW-846 6010	9/21/00 10:14	TD
POTASSIUM	<25	25	mg/kg dry	SW-846 6010	9/21/00 12:18	TD
SELENIUM	<5	5	mg/kg dry	SW-846 6010	9/21/00 10:14	TD
SILVER	<0.5	0.5	mg/kg dry	SW-846 6010	9/21/00 10:14	TD
SODIUM	<80	80	mg/kg dry	SW-846 6010	9/21/00 12:18	TD
THALLIUM	<3	3	mg/kg dry	SW-846 6010	9/21/00 10:14	TD
VANADIUM	<0.5	0.5	mg/kg dry	SW-846 6010	9/21/00 10:14	TD
ZINC	<0.5	0.5	mg/kg dry	SW-846 6010	9/21/00 10:14	TD

White Copy Original (Accompanies Samples) Yellow Copy – Collector Pink Copy – Customer's Copy

R.I. Analytical Laboratories, Inc.

41 Illinois Avenue
Warwick, RI 02888
Phone: (401) 737-8500
Fax: (401) 738-1970

950 Boylston Street, Unit 102
Newton Highlands, MA 02461
Phone: (617) 965-5133
Fax: (617) 965-5624

CHAIN OF CUSTODY RECORD

Page 1 of 1

Container Type Codes:		Preservative Codes:		Matrix Codes:	
P=Plastic	AG=Amber Glass	NP=Non preserved	S=Sulfuric	GW=Groundwater	S=Soil
G=Glass	St=Sterile	I=Cooled 4°C	H=HCL	WW=Wastewater	Sl=Sludge
V=Vial		N=Nitric	SH=NaOH	DW=Drinking water	A=Air
O=Other (describe)		M=Methanol	SB=NaHSO4	O=Other (describe)	B=Bulk/Solid

Date Collected	Time Collected	Sample ID	G=Grab C=Comp.	Containers # + (code)	Preservative (code)	Matrix (code)	Analysis Request
9/13/00	1315	NAVSTA-CS-VE10-01	G	3V 2G	I, M, SB	S	8270*, 8260, TAL mtls, 418.1, 8015
↓	1600	↓ -↓- -VE9-01	↓	↓	↓	↓	↓ ↓ ↓
9/13/00	1345	NAVSTA-CS-VA9-01	G	3V 2G	I, M, SB ↓	S	8270*, 8260, TAL mtls, 418.1, 8015

Client Information

Company Name: Foster Wheeler
Address: 195 Burma Rd
City / State / Zip: Portsmouth RI
Phone: Fax:
Contact:

Project Information

Project Name / Location: Pipeline
P.O. Number / Project Number: 0065
Project Manager / Report To: Heber
Sampled by: Heber
Reference Proposal:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	9-14-00	1335	[signature]	9/14/00	1335
[signature]	9/14/00	1430	Shawn Baker	9/14/00	1504

Turn Around Time:

- ☐ Normal
- ☒ 5 business days Surcharges may apply
- ☐ Rush _____ (business days)

Project Comments:
* Low level VOCs
Det limits must meet RIDEM RDEC criteria

RIAL USE ONLY:
- ☒ Pick-Up Only
- ☐ RIAL Sampled
- ☒ Shipped on Ice

RIAL W.O. # 11116

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Foster Wheeler
Attn: Mr. Josh Holden
P.O. Box 4350
Middletown, RI 02842

Date Received: 9/20/00
Date Reported: 9/27/00
P.O. #: 020128
Work Order #: 0009-11457

DESCRIPTION: PROJECT# DO65 (TWO SOIL SAMPLES)

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James R. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/20/00
Work Order # 0009-11457

Approved by:
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: NAVSTA-CS-VE7-01 GRAB 09/19/00 @1335

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/20/00
Work Order # 0009-11457

Approved by:
R.I. Analytical

Sample #: 001

NAVSTA-CS-VE7-01 GRAB 09/19/00 @1335

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12 23	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12 23	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 12:23	JAH
SURROGATES			RANGE	SW-846 8270	9/27/00 12:23	JAH
Phenol-d5	56		24-113%	SW-846 8270	9/27/00 12:23	JAH
2-Fluorophenol	31		25-121%	SW-846 8270	9/27/00 12:23	JAH
2,4,6-Tribromophenol	105		19-122%	SW-846 8270	9/27/00 12:23	JAH
Nitrobenzene-d5	68		23-120%	SW-846 8270	9/27/00 12:23	JAH
2-Fluorobiphenyl	78		30-115%	SW-846 8270	9/27/00 12:23	JAH
P-Terphenyl-d14	86		18-137%	SW-846 8270	9/27/00 12:23	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/20/00
Work Order # 0009-11457

Approved by: _____
R.I. Analytical

Sample #: 002
SAMPLE DESCRIPTION: NAVSTA-CS-VE7-01 GRAB 09/19/00 @1335 .

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/22/00 5:05	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/22/00 5:05	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5 05	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/22/00 5:05	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/22/00 5.05	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/22/00 5:05	JL
2-Chlorotoluene	<0 004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
Dibromochloromethane	<0.004	0 004	mg/kg	5035/8260	9/22/00 5:05	JL
1,2-Dibromo-3-Chloropropane	<0 008	0.008	mg/kg	5035/8260	9/22/00 5:05	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/22/00 5:05	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5.05	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5.05	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/22/00 5:05	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/20/00
Work Order # 0009-11457

Approved by:
R.I. Analytical

Sample #: 002

NAVSTA-CS-VE7-01 GRAB 09/19/00 @1335

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:05	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	9/22/00 5:05	JL
SURROGATES			RANGE	5035/8260	9/22/00 5:05	JL
Dibromofluoromethane	103		80-120%	5035/8260	9/22/00 5:05	JL
Toluene-d8	102		81-117%	5035/8260	9/22/00 5:05	JL
4-Bromofluorobenzene	95		74-121%	5035/8260	9/22/00 5:05	JL
1,2 Dichloroethane-d4	106		80-120%	5035/8260	9/22/00 5:05	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/20/00
Work Order # 0009-11457

Approved by:
R.I. Analytical

Sample #: 003
SAMPLE DESCRIPTION: NAVSTA-CS-VE7-01 GRAB 09/19/00 @1335

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	14000	280	mg/kg dry	SW-846 6010	9/26/00 23:25	VIK
ANTIMONY	<5.7	5.7	mg/kg dry	SW-846 6010	9/26/00 22 58	VIK
ARSENIC	11.0	2.8	mg/kg dry	SW-846 6010	9/26/00 22:58	VIK
BARIUM	15.9	0.14	mg/kg dry	SW-846 6010	9/26/00 22:58	VIK
BERYLLIUM	0 31	0.03	mg/kg dry	SW-846 6010	9/26/00 22:58	VIK
CADMIUM	2.39	0.14	mg/kg dry	SW-846 6010	9/26/00 22:58	VIK
CHROMIUM	13.9	0.85	mg/kg dry	SW-846 6010	9/26/00 22:58	VIK
COBALT	18.8	0.85	mg/kg dry	SW-846 6010	9/26/00 22:58	VIK
COPPER	21.9	1.42	mg/kg dry	SW-846 6010	9/26/00 22:58	VIK
IRON	45800	142	mg/kg dry	SW-846 6010	9/26/00 22:58	VIK
LEAD	5.40	1.14	mg/kg dry	SW-846 6010	9/26/00 22.58	VIK
MAGNESIUM	4030	14.2	mg/kg dry	SW-846 6010	9/27/00 10:30	TD
MERCURY	<0.10	0.10	mg/kg dry	SW-846 7471A	9/26/00 8:37	RJC
NICKEL	34.1	0.57	mg/kg dry	SW-846 6010	9/26/00 22:58	VIK
POTASSIUM	410	280	mg/kg dry	SW-846 6010	9/27/00 10:30	TD
SELENIUM	<5.7	5.7	mg/kg dry	SW-846 6010	9/26/00 22:58	VIK
SILVER	<0.57	0.57	mg/kg dry	SW-846 6010	9/26/00 22:58	VIK
SODIUM	<90	90	mg/kg dry	SW-846 6010	9/27/00 10:36	TD
THALLIUM	<2.8	2.8	mg/kg dry	SW-846 6010	9/26/00 22:58	VIK
VANADIUM	14.5	0.57	mg/kg dry	SW-846 6010	9/26/00 22:58	VIK
ZINC	69.9	0.57	mg/kg dry	SW-846 6010	9/26/00 22:58	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/20/00
Work Order # 0009-11457

Approved by:
R.I. Analytical

Sample #: 004
SAMPLE DESCRIPTION: NAVSTA-CS-VE7-01 GRAB 09/19/00 @1335

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<27	27	mg/kg dry	EPA 418.1	9/26/00 14:49	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/20/00
Work Order # 0009-11457

Approved by:
R.I. Analytical

Sample #: 005
SAMPLE DESCRIPTION: NAVSTA-CS-VE7-01 GRAB 09/19/00 @1335

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	9/26/00 16:34	CLB
C9-C24	12	4.0	mg/kg dry	SW846 8015B	9/26/00 16:34	CLB
C24-C36	97	20	mg/kg dry	SW846 8015B	9/26/00 16:34	CLB

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/20/00
Work Order # 0009-11457

Approved by:
R.I. Analytical

Sample #: 006
SAMPLE DESCRIPTION: NAVSTA-CS-VE3-01 GRAB 09/19/00 @1540

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/20/00
Work Order # 0009-11457

Approved by:
R.I. Analytical

Sample #: 006

NAVSTA-CS-VE3-01 GRAB 09/19/00 @1540

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 13:27	JAH
SURROGATES			RANGE	SW-846 8270	9/27/00 13:27	JAH
Phenol-d5	68		24-113%	SW-846 8270	9/27/00 13:27	JAH
2-Fluorophenol	40		25-121%	SW-846 8270	9/27/00 13:27	JAH
2,4,6-Tribromophenol	151		19-122%	SW-846 8270	9/27/00 13:27	JAH
Nitrobenzene-d5	62		23-120%	SW-846 8270	9/27/00 13:27	JAH
2-Fluorobiphenyl	65		30-115%	SW-846 8270	9/27/00 13:27	JAH
P-Terphenyl-d14	56		18-137%	SW-846 8270	9/27/00 13:27	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/20/00
Work Order # 0009-11457

Approved by:
R.I. Analytical

Sample #: 007
SAMPLE DESCRIPTION: NAVSTA-CS-VE3-01 GRAB 09/19/00 @1540

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/22/00 5:51	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/22/00 5:51	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/22/00 5:51	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/22/00 5:51	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/22/00 5:51	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/22/00 5:51	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/22/00 5:51	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/20/00
Work Order # 0009-11457

Approved by:
R.I. Analytical

Sample #: 007

NAVSTA-CS-VE3-01 GRAB 09/19/00 @1540

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
n-Propylbenzene	<0 004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5.51	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5 51	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
1,1,2-Trichloroethane	<0 004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
1,2,4-Trimethylbenzene	<0 004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
m&p-Xylene	<0 004	0.004	mg/kg	5035/8260	9/22/00 5:51	JL
MTBE	<0 008	0.008	mg/kg	5035/8260	9/22/00 5:51	JL
SURROGATES			RANGE	5035/8260	9/22/00 5:51	JL
Dibromofluoromethane	103		80-120%	5035/8260	9/22/00 5:51	JL
Toluene-d8	98		81-117%	5035/8260	9/22/00 5:51	JL
4-Bromofluorobenzene	94		74-121%	5035/8260	9/22/00 5:51	JL
1,2 Dichloroethane-d4	109		80-120%	5035/8260	9/22/00 5:51	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/20/00
Work Order # 0009-11457

Approved by: R.I. Analytical

Sample #: 008
SAMPLE DESCRIPTION: NAVSTA-CS-VE3-01 GRAB 09/19/00 @1540

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	6400	300	mg/kg dry	SW-846 6010	9/26/00 23:29	VIK
ANTIMONY	<6.0	6.0	mg/kg dry	SW-846 6010	9/26/00 23:02	VIK
ARSENIC	6.0	3.0	mg/kg dry	SW-846 6010	9/26/00 23.02	VIK
BARIUM	12.2	0.15	mg/kg dry	SW-846 6010	9/26/00 23:02	VIK
BERYLLIUM	0.27	0.03	mg/kg dry	SW-846 6010	9/26/00 23:02	VIK
CADMIUM	0.51	0.15	mg/kg dry	SW-846 6010	9/26/00 23:02	VIK
CHROMIUM	5.12	0.90	mg/kg dry	SW-846 6010	9/26/00 23:02	VIK
COBALT	2.41	0.90	mg/kg dry	SW-846 6010	9/26/00 23:02	VIK
COPPER	2.41	1.51	mg/kg dry	SW-846 6010	9/26/00 23.02	VIK
IRON	9300	151	mg/kg dry	SW-846 6010	9/26/00 23.29	VIK
LEAD	2.11	1.20	mg/kg dry	SW-846 6010	9/26/00 23:02	VIK
MAGNESIUM	1470	15.1	mg/kg dry	SW-846 6010	9/27/00 10:33	TD
MERCURY	<0.10	0.10	mg/kg dry	SW-846 7471A	9/26/00 8:37	RJC
NICKEL	3.01	0.60	mg/kg dry	SW-846 6010	9/26/00 23.02	VIK
POTASSIUM	800	300	mg/kg dry	SW-846 6010	9/27/00 10:33	TD
SELENIUM	<6.0	6.0	mg/kg dry	SW-846 6010	9/26/00 23:02	VIK
SILVER	<0.60	0.60	mg/kg dry	SW-846 6010	9/26/00 23:02	VIK
SODIUM	<90	90	mg/kg dry	SW-846 6010	9/27/00 10:40	TD
THALLIUM	<3.0	3.0	mg/kg dry	SW-846 6010	9/26/00 23 02	VIK
VANADIUM	5.42	0.60	mg/kg dry	SW-846 6010	9/26/00 23.02	VIK
ZINC	27.7	0.60	mg/kg dry	SW-846 6010	9/26/00 23:02	VIK

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/20/00
Work Order # 0009-11457

Approved by: _____
R.I. Analytical

Sample #: 009
SAMPLE DESCRIPTION: NAVSTA-CS-VE3-01 GRAB 09/19/00 @1540

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<27	27	mg/kg dry	EPA 418.1	9/26/00 14:49	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/20/00
Work Order # 0009-11457

Approved by:
R.I. Analytical

Sample #: 010
SAMPLE DESCRIPTION: NAVSTA-CS-VE3-01 GRAB 09/19/00 @1540

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	< 12	12	mg/kg dry	SW846 8015B	9/26/00 17:16	CLB
C9-C24	4.7	4.0	mg/kg dry	SW846 8015B	9/26/00 17:16	CLB
C24-C36	63	20	mg/kg dry	SW846 8015B	9/26/00 17:16	CLB

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/20/00
Work Order # 0009-11457

Approved by:
R.I. Analytical

Sample #: 011
SAMPLE DESCRIPTION: PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15 21	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15 21	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15 21	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15.21	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15.21	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/20/00
Work Order # 0009-11457

Approved by: R.I. Analytical

Sample #: 011

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15 21	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15.21	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
2,4,6-Trichlorophenol	<0 4	0.4	mg/kg dry	SW-846 8270	9/27/00 15:21	JAH
SURROGATES			RANGE	SW-846 8270	9/27/00 15:21	JAH
Phenol-d5	60		24-113%	SW-846 8270	9/27/00 15:21	JAH
2-Fluorophenol	25		25-121%	SW-846 8270	9/27/00 15:21	JAH
2,4,6-Tribromophenol	58		19-122%	SW-846 8270	9/27/00 15:21	JAH
Nitrobenzene-d5	64		23-120%	SW-846 8270	9/27/00 15:21	JAH
2-Fluorobiphenyl	73		30-115%	SW-846 8270	9/27/00 15:21	JAH
P-Terphenyl-d14	105		18-137%	SW-846 8270	9/27/00 15.21	JAH
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/22/00 11.41	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/22/00 11.41	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/22/00 11:41	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11.41	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11.41	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/22/00 11:41	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/20/00
Work Order # 0009-11457

Approved by:
R.I. Analytical

Sample #: 011

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PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/22/00 11:41	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/22/00 11:41	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/22/00 11:41	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/22/00 11:41	JL
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/20/00
Work Order # 0009-11457

Approved by:
R.I. Analytical

Sample #: 011

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	9/22/00 11:41	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	9/22/00 11:41	JL
SURROGATES			RANGE	5035/8260	9/22/00 11:41	JL
Dibromofluoromethane	102		80-120%	5035/8260	9/22/00 11:41	JL
Toluene-d8	101		81-117%	5035/8260	9/22/00 11:41	JL
4-Bromofluorobenzene	88		74-121%	5035/8260	9/22/00 11:41	JL
1,2 Dichloroethane-d4	102		80-120%	5035/8260	9/22/00 11:41	JL
TOTAL METALS						
ALUMINUM	<3	3	mg/kg dry	SW-846 6010	9/26/00 22:32	VIK
ANTIMONY	<5	5	mg/kg dry	SW-846 6010	9/26/00 22:32	VIK
ARSENIC	<3	3	mg/kg dry	SW-846 6010	9/26/00 22:32	VIK
BARIUM	<0.125	0.125	mg/kg dry	SW-846 6010	9/26/00 22:32	VIK
BERYLLIUM	<0.03	0.03	mg/kg dry	SW-846 6010	9/26/00 22:32	VIK
CADMIUM	<0.1	0.1	mg/kg dry	SW-846 6010	9/26/00 22:32	VIK
CHROMIUM	<0.8	0.8	mg/kg dry	SW-846 6010	9/26/00 22:32	VIK
COBALT	<0.8	0.8	mg/kg dry	SW-846 6010	9/26/00 22:32	VIK
COPPER	<1	1	mg/kg dry	SW-846 6010	9/26/00 22:32	VIK
IRON	<1	1	mg/kg dry	SW-846 6010	9/26/00 22:32	VIK
LEAD	<1	1	mg/kg dry	SW-846 6010	9/26/00 22:32	VIK
MAGNESIUM	<1	1	mg/kg dry	SW-846 6010	9/27/00 10:24	TD
MERCURY	<0.12	0.12	mg/kg dry	SW-846 7471A	9/26/00 8:37	RJC
NICKEL	<0.5	0.5	mg/kg dry	SW-846 6010	9/26/00 22:32	VIK
POTASSIUM	<25	25	mg/kg dry	SW-846 6010	9/27/00 10:24	TD
SELENIUM	<5	5	mg/kg dry	SW-846 6010	9/26/00 22:32	VIK
SILVER	<0.5	0.5	mg/kg dry	SW-846 6010	9/26/00 22:32	VIK
SODIUM	<80	80	mg/kg dry	SW-846 6010	9/27/00 10:24	TD
THALLIUM	<3	3	mg/kg dry	SW-846 6010	9/26/00 22:32	VIK
VANADIUM	<0.5	0.5	mg/kg dry	SW-846 6010	9/26/00 22:32	VIK
ZINC	<0.5	0.5	mg/kg dry	SW-846 6010	9/26/00 22:32	VIK
TPH IR	<25	25	mg/kg dry	EPA 418.1	9/26/00 14:49	SWM
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	9/26/00 23:38	CLB
C9-C24	<40	4.0	mg/kg dry	SW846 8015B	9/26/00 23:38	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	9/26/00 23:38	CLB

White Copy Original (Accompanies Samples) Yellow Copy – Collector Pink Copy – Customer's Copy

R.I. Analytical Laboratories, Inc.

41 Illinois Avenue
Warwick, RI 02888
Phone: (401) 737-8500
Fax: (401) 738-1970

950 Boylston Street, Unit 102
Newton Highlands, MA 02461
Phone: (617) 965-5133
Fax: (617) 965-5624

CHAIN OF CUSTODY RECORD

Page ___ of ___

Container Type Codes:	Preservative Codes:		Matrix Codes:	
P=Plastic AG=Amber Glass	NP=Non preserved	S=Sulfuric	GW=Groundwater	S=Soil
G=Glass St=Sterile	I=Cooled 4°C	H=HCL	WW=Wastewater	Sl=Sludge
V=Vial	N=Nitric	SH=NaOH	DW=Drinking water	A=Air
O=Other (describe)	M=Methanol	SD=NaHSO4	O=Other (describe)	B=Bulk/Solid

Date Collected	Time Collected	Sample ID	G=Grab C=Comp.	Containers # + (code)	Preservative (code)	Matrix (code)	Analysis Request
9/19/00	1335	NAVSTA-CS-VE1-01	G	3V 2G	I, M, SB I	S	8270/8260/TAL Metals/418.1/8015
9/19/00	1540	NAVSTA-CS-VE3-01	"	"	"	"	"

Client Information

Company Name: FWENC
Address: 195 Reservoir Rd
City / State / Zip: Pembroke, RI
Phone: 401-683-5259 Fax: 401-683-5218
Contact:

Project Information

Project Name / Location: 0065
P.O. Number / Project Number:
Project Manager / Report To: J. Hall
Sampled by: J. Hall
Reference Proposal:

Relinquished by:	Date	Time	Received by:	Date	Time
	9/20/00	1305		9/20/00	1305
	9/20/00	1445		9-20-00	2015

Turn Around Time:
- ☐ Normal
- ☒ 5 business days Surcharges may apply
- ☐ Rush ___ (business days)

Project Comments: Low level VOCs
Must meet Rhode Island RIDEC Criteria

RIAL USE ONLY:
- ☒ Pick-Up Only
- ☐ RIAL Sampled
- ☒ Shipped on Ice

RIAL W.O. # 11457

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Foster Wheeler
Attn: Mr. Josh Holden
P.O. Box 4350
Middletown, RI 02842

Date Received: 9/21/00
Date Reported: 10/02/00
P.O. #: 027615
Work Order #: 0009-11500

DESCRIPTION: PROJECT# DO65 PIPELINE CLOSURE

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mitchell
Vice President

enc: Chain of Custody

Paul Perrotti
Data Reporting Manager

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: NAVSTA-CS-VE12-01 GRAB 09/20/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 001

NAVSTA-CS-VE12-01 GRAB 09/20/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21 57	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21.57	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
2-Nitrophenol	<0 4	0.4	mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21.57	JAH
Pentachlorophenol	<0 4	0.4	mg/kg dry	SW-846 8270	9/27/00 21.57	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21.57	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 21 57	JAH
SURROGATES			mg/kg dry	SW-846 8270	9/27/00 21:57	JAH
Phenol-d5	42		RANGE	SW-846 8270	9/27/00 21:57	JAH
2-Fluorophenol	23		24-113%	SW-846 8270	9/27/00 21:57	JAH
2,4,6-Tribromophenol	15		25-121%	SW-846 8270	9/27/00 21:57	JAH
Nitrobenzene-d5	53		19-122%	SW-846 8270	9/27/00 21:57	JAH
2-Fluorobiphenyl	63		23-120%	SW-846 8270	9/27/00 21 57	JAH
P-Terphenyl-d14	77		30-115%	SW-846 8270	9/27/00 21:57	JAH
			18-137%	SW-846 8270	9/27/00 21:57	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 002
SAMPLE DESCRIPTION: NAVSTA-CS-VE12-01 GRAB 09/20/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/29/00 16:46	JAH
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/29/00 16:46	JAH
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/29/00 16:46	JAH
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/29/00 16:46	JAH
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/29/00 16:46	JAH
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/29/00 16:46	JAH
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/29/00 16:46	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 002

NAVSTA-CS-VE12-01 GRAB 09/20/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
Styrene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
Toluene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	9/29/00 16:46	JAH
MTBE	<0.008	0.008	mg/kg	5035/8260	9/29/00 16:46	JAH
SURROGATES			RANGE	5035/8260	9/29/00 16:46	JAH
Dibromofluoromethane	98		80-120%	5035/8260	9/29/00 16:46	JAH
Toluene-d8	96		81-117%	5035/8260	9/29/00 16:46	JAH
4-Bromofluorobenzene	91		74-121%	5035/8260	9/29/00 16:46	JAH
1,2 Dichloroethane-d4	95		80-120%	5035/8260	9/29/00 16:46	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 003
SAMPLE DESCRIPTION: NAVSTA-CS-VE12-01 GRAB 09/20/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<29	29	mg/kg dry	EPA 418.1	9/26/00 14.49	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by: R.I. Analytical

Sample #: 004
SAMPLE DESCRIPTION: NAVSTA-CS-VE12-01 GRAB 09/20/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	9/28/00 4:43	CLB
C9-C24	43	4.0	mg/kg dry	SW846 8015B	9/28/00 4:43	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	9/28/00 4:43	CLB

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by: R.I. Analytical

Sample #: 005
SAMPLE DESCRIPTION: NAVSTA-CS-VE12-01 GRAB 09/20/00 @1530

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	5680	136	mg/kg dry	SW-846 6010	9/27/00 18:59	VIK
ANTIMONY	<2.7	2.7	mg/kg dry	SW-846 6010	9/27/00 18.05	VIK
ARSENIC	5.43	1.36	mg/kg dry	SW-846 6010	9/27/00 18:05	VIK
BARIUM	16.6	0.068	mg/kg dry	SW-846 6010	9/27/00 18:05	VIK
BERYLLIUM	0.30	0.014	mg/kg dry	SW-846 6010	9/27/00 18:05	VIK
CADMIUM	1.38	0.068	mg/kg dry	SW-846 6010	9/27/00 18:05	VIK
CHROMIUM	8.56	0.41	mg/kg dry	SW-846 6010	9/27/00 18.05	VIK
COBALT	8.83	0.41	mg/kg dry	SW-846 6010	9/27/00 18:05	VIK
COPPER	14.4	0.68	mg/kg dry	SW-846 6010	9/27/00 18:05	VIK
IRON	26800	68	mg/kg dry	SW-846 6010	9/27/00 18.59	VIK
LEAD	10.9	0.54	mg/kg dry	SW-846 6010	9/27/00 18.05	VIK
MAGNESIUM	1660	67.9	mg/kg dry	SW-846 6010	9/28/00 9:47	TD
MERCURY	<0.09	0.09	mg/kg dry	SW-846 7471A	9/28/00 9:41	RJC
NICKEL	16.3	0.27	mg/kg dry	SW-846 6010	9/27/00 18.05	VIK
POTASSIUM	454	136	mg/kg dry	SW-846 6010	9/28/00 10:32	TD
SELENIUM	<2.7	2.7	mg/kg dry	SW-846 6010	9/27/00 18:05	VIK
SILVER	<0.27	0.27	mg/kg dry	SW-846 6010	9/27/00 18:05	VIK
SODIUM	<40	40	mg/kg dry	SW-846 6010	9/28/00 11:04	TD
THALLIUM	<1.36	1.36	mg/kg dry	SW-846 6010	9/27/00 18.05	VIK
VANADIUM	10.9	0.27	mg/kg dry	SW-846 6010	9/27/00 18:05	VIK
ZINC	43.9	0.27	mg/kg dry	SW-846 6010	9/27/00 18:05	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by: R.I. Analytical

Sample #: 006
SAMPLE DESCRIPTION: NAVSTA-CS-VA11-01 GRAB 09/20/00 @1455

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by: R.I. Analytical

Sample #: 006

NAVSTA-CS-VA11-01 GRAB 09/20/00 @1455

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23 07	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23.07	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 23:07	JAH
SURROGATES			RANGE	SW-846 8270	9/27/00 23:07	JAH
Phenol-d5	47		24-113%	SW-846 8270	9/27/00 23.07	JAH
2-Fluorophenol	26		25-121%	SW-846 8270	9/27/00 23:07	JAH
2,4,6-Tribromophenol	72		19-122%	SW-846 8270	9/27/00 23:07	JAH
Nitrobenzene-d5	58		23-120%	SW-846 8270	9/27/00 23:07	JAH
2-Fluorobiphenyl	67		30-115%	SW-846 8270	9/27/00 23:07	JAH
P-Terphenyl-d14	56		18-137%	SW-846 8270	9/27/00 23:07	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by: _____
R.I. Analytical

Sample #: 007
SAMPLE DESCRIPTION: NAVSTA-CS-VA11-01 GRAB 09/20/00 @1455

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/29/00 17:31	JAH
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/29/00 17:31	JAH
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/29/00 17:31	JAH
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/29/00 17:31	JAH
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/29/00 17:31	JAH
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/29/00 17:31	JAH
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/29/00 17:31	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 007

NAVSTA-CS-VA11-01 GRAB 09/20/00 @1455

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
Styrene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
Toluene	<0 004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	9/29/00 17:31	JAH
MTBE	<0.008	0.008	mg/kg	5035/8260	9/29/00 17:31	JAH
SURROGATES			RANGE	5035/8260	9/29/00 17:31	JAH
Dibromofluoromethane	105		80-120%	5035/8260	9/29/00 17:31	JAH
Toluene-d8	103		81-117%	5035/8260	9/29/00 17:31	JAH
4-Bromofluorobenzene	104		74-121%	5035/8260	9/29/00 17:31	JAH
1,2 Dichloroethane-d4	106		80-120%	5035/8260	9/29/00 17:31	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 008
SAMPLE DESCRIPTION: NAVSTA-CS-VA11-01 GRAB 09/20/00 @1455

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<29	29	mg/kg dry	EPA 418.1	9/26/00 14:49	SWM

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 009
SAMPLE DESCRIPTION: NAVSTA-CS-VA11-01 GRAB 09/20/00 @1455

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	9/28/00 4:43	CLB
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	9/28/00 4:43	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	9/28/00 4.43	CLB

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by: R.I. Analytical

Sample #: 010
SAMPLE DESCRIPTION: NAVSTA-CS-VA11-01 GRAB 09/20/00 @1455

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	10970	144	mg/kg dry	SW-846 6010	9/27/00 19:17	VIK
ANTIMONY	<2.9	2.9	mg/kg dry	SW-846 6010	9/27/00 18:40	VIK
ARSENIC	8.7	1.4	mg/kg dry	SW-846 6010	9/27/00 18:40	VIK
BARIUM	22.5	0.072	mg/kg dry	SW-846 6010	9/27/00 18:40	VIK
BERYLLIUM	0.42	0.014	mg/kg dry	SW-846 6010	9/27/00 18:40	VIK
CADMIUM	1.62	0.072	mg/kg dry	SW-846 6010	9/27/00 18:40	VIK
CHROMIUM	12.3	0.43	mg/kg dry	SW-846 6010	9/27/00 18:40	VIK
COBALT	12.4	0.43	mg/kg dry	SW-846 6010	9/27/00 18:40	VIK
COPPER	15.9	0.72	mg/kg dry	SW-846 6010	9/27/00 18:40	VIK
IRON	26800	72.0	mg/kg dry	SW-846 6010	9/27/00 19:17	VIK
LEAD	4.48	0.58	mg/kg dry	SW-846 6010	9/27/00 18.40	VIK
MAGNESIUM	2920	72.2	mg/kg dry	SW-846 6010	9/28/00 9:50	VIK
MERCURY	<0.09	0.09	mg/kg dry	SW-846 7471A	9/28/00 9:41	RJC
NICKEL	18.4	0.29	mg/kg dry	SW-846 6010	9/27/00 18:40	VIK
POTASSIUM	663	144	mg/kg dry	SW-846 6010	9/28/00 10:35	VIK
SELENIUM	<2.9	2.9	mg/kg dry	SW-846 6010	9/27/00 18:40	VIK
SILVER	<0.29	0.29	mg/kg dry	SW-846 6010	9/27/00 18:40	VIK
SODIUM	43	43	mg/kg dry	SW-846 6010	9/28/00 11:07	VIK
THALLIUM	<1.4	1 4	mg/kg dry	SW-846 6010	9/27/00 18:40	VIK
VANADIUM	15.5	0.29	mg/kg dry	SW-846 6010	9/27/00 18:40	VIK
ZINC	39.0	0.29	mg/kg dry	SW-846 6010	9/27/00 18:40	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 011
SAMPLE DESCRIPTION: NAVSTA-CS-VA12-01 GRAB 09/20/00 @1520

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 011

NAVSTA-CS-VA12-01 GRAB 9/20/00 @1520

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
2,4-Dnitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 0:27	JAH
SURROGATES			RANGE	SW-846 8270	9/28/00 0:27	JAH
Phenol-d5	50		24-113%	SW-846 8270	9/28/00 0:27	JAH
2-Fluorophenol	28		25-121%	SW-846 8270	9/28/00 0:27	JAH
2,4,6-Tribromophenol	38		19-122%	SW-846 8270	9/28/00 0:27	JAH
Nitrobenzene-d5	57		23-120%	SW-846 8270	9/28/00 0:27	JAH
2-Fluorobiphenyl	66		30-115%	SW-846 8270	9/28/00 0:27	JAH
P-Terphenyl-d14	75		18-137%	SW-846 8270	9/28/00 0:27	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by: _____
R.I. Analytical

Sample #: 012
SAMPLE DESCRIPTION: NAVSTA-CS-VA12-01 GRAB 09/20/00 @1520

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/29/00 19:05	JAH
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/29/00 19:05	JAH
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
tert-Butylbenzene	<0 004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/29/00 19:05	JAH
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/29/00 19:05	JAH
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/29/00 19:05	JAH
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/29/00 19:05	JAH
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
Ethylbenzene	<0 004	0.004	mg/kg	5035/8260	9/29/00 19 05	JAH
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/29/00 19:05	JAH

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Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by: _____
R.I. Analytical

Sample #: 012

NAVSTA-CS-VA12-01 GRAB 09/20/00 @1520

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
Styrene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
Toluene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:05	JAH
MTBE	<0.008	0.008	mg/kg	5035/8260	9/29/00 19:05	JAH
SURROGATES			RANGE	5035/8260	9/29/00 19:05	JAH
Dibromofluoromethane	100		80-120%	5035/8260	9/29/00 19:05	JAH
Toluene-d8	98		81-117%	5035/8260	9/29/00 19:05	JAH
4-Bromofluorobenzene	108		74-121%	5035/8260	9/29/00 19:05	JAH
1,2 Dichloroethane-d4	97		80-120%	5035/8260	9/29/00 19:05	JAH

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Foster Wheeler
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Approved by:
R.I. Analytical

Sample #: 013
SAMPLE DESCRIPTION: NAVSTA-CS-VA12-01 GRAB 09/20/00 @1520

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<29	29	mg/kg dry	EPA 418.1	9/26/00 14:49	SWM

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Date Received: 9/21/00
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Approved by:
R.I. Analytical

Sample #: 014
SAMPLE DESCRIPTION: NAVSTA-CS-VA12-01 GRAB 09/20/00 @1520

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	9/28/00 5:25	CLB
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	9/28/00 5:25	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	9/28/00 5:25	CLB

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Foster Wheeler
Date Received: 9/21/00
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Sample #: 015
SAMPLE DESCRIPTION: NAVSTA-CS-VA12-01 GRAB 09/20/00 @1520

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	5930	139	mg/kg dry	SW-846 6010	9/27/00 18:09	VIK
ANTIMONY	<2.8	2.8	mg/kg dry	SW-846 6010	9/27/00 18:09	VIK
ARSENIC	8.4	1.4	mg/kg dry	SW-846 6010	9/27/00 18:09	VIK
BARIUM	15.0	0.070	mg/kg dry	SW-846 6010	9/27/00 18:09	VIK
BERYLLIUM	0.33	0.014	mg/kg dry	SW-846 6010	9/27/00 18:09	VIK
CADMIUM	2.28	0 070	mg/kg dry	SW-846 6010	9/27/00 18:09	VIK
CHROMIUM	9.47	0.42	mg/kg dry	SW-846 6010	9/27/00 18:09	VIK
COBALT	15.4	0.42	mg/kg dry	SW-846 6010	9/27/00 18:09	VIK
COPPER	23.4	0.70	mg/kg dry	SW-846 6010	9/27/00 18:09	VIK
IRON	37800	69.6	mg/kg dry	SW-846 6010	9/27/00 19:34	VIK
LEAD	5.71	0.56	mg/kg dry	SW-846 6010	9/27/00 18:09	VIK
MAGNESIUM	758	69.6	mg/kg dry	SW-846 6010	9/28/00 9:53	TD
MERCURY	<0.12	0.12	mg/kg dry	SW-846 7471A	9/28/00 9:41	RJC
NICKEL	21 0	0 28	mg/kg dry	SW-846 6010	9/27/00 18:09	VIK
POTASSIUM	444	139	mg/kg dry	SW-846 6010	9/28/00 10:39	TD
SELENIUM	<2.8	2.8	mg/kg dry	SW-846 6010	9/27/00 18:09	VIK
SILVER	<0.28	0.28	mg/kg dry	SW-846 6010	9/27/00 18:09	VIK
SODIUM	<40	40	mg/kg dry	SW-846 6010	9/28/00 11:10	TD
THALLIUM	<1.4	1.4	mg/kg dry	SW-846 6010	9/27/00 18:09	VIK
VANADIUM	14.2	0.28	mg/kg dry	SW-846 6010	9/27/00 18:09	VIK
ZINC	37.6	0.28	mg/kg dry	SW-846 6010	9/27/00 18:09	VIK

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Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 016
SAMPLE DESCRIPTION: NAVSTA-CS-VE13-01 GRAB 09/21/00 @1345

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
1,2-Diphenylhydrazine	<0 4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11 13	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 016

NAVSTA-CS-VE13-01 GRAB 09/21/00 @1345

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 11:13	JAH
SURROGATES			RANGE	SW-846 8270	9/28/00 11:13	JAH
Phenol-d5	29		24-113%	SW-846 8270	9/28/00 11:13	JAH
2-Fluorophenol	17		25-121%	SW-846 8270	9/28/00 11:13	JAH
2,4,6-Tribromophenol	9		19-122%	SW-846 8270	9/28/00 11:13	JAH
Nitrobenzene-d5	33		23-120%	SW-846 8270	9/28/00 11:13	JAH
2-Fluorobiphenyl	38		30-115%	SW-846 8270	9/28/00 11:13	JAH
P-Terphenyl-d14	43		18-137%	SW-846 8270	9/28/00 11:13	JAH

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Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by: _____
R.I. Analytical

Sample #: 017
SAMPLE DESCRIPTION: NAVSTA-CS-VE13-01 GRAB 9/21/00 @1345

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/27/00 14:09	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/27/00 14:09	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/27/00 14:09	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/27/00 14:09	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/27/00 14:09	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/27/00 14:09	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/27/00 14:09	JL

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Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by: _____
R.I. Analytical

Sample #: 017

NAVSTA-CS-VE13-01 GRAB 09/21/00 @1345

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14.09	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14.09	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/27/00 14.09	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14.09	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	9/27/00 14:09	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	9/27/00 14:09	JL
SURROGATES			RANGE	5035/8260	9/27/00 14:09	JL
Dibromofluoromethane	105		80-120%	5035/8260	9/27/00 14:09	JL
Toluene-d8	107		81-117%	5035/8260	9/27/00 14:09	JL
4-Bromofluorobenzene	102		74-121%	5035/8260	9/27/00 14:09	JL
1,2 Dichloroethane-d4	101		80-120%	5035/8260	9/27/00 14:09	JL

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Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by: R.I. Analytical

Sample #: 018
SAMPLE DESCRIPTION: NAVSTA-CS-VE13-01 GRAB 09/21/00 @1345

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<31	31	mg/kg dry	EPA 418.1	9/26/00 14:49	SWM

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Foster Wheeler
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Approved by:
R.I. Analytical

Sample #: 019
SAMPLE DESCRIPTION: NAVSTA-CS-VE13-01 GRAB 09/21/00 @1345

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	9/28/00 5:25	CLB
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	9/28/00 5:25	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	9/28/00 5:25	CLB

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Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 020
SAMPLE DESCRIPTION: NAVSTA-CS-VE13-01 GRAB 09/21/00 @1345

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	9730	152	mg/kg dry	SW-846 6010	9/27/00 19:14	VIK
ANTIMONY	<3.0	3.0	mg/kg dry	SW-846 6010	9/27/00 18:24	VIK
ARSENIC	9.1	1.5	mg/kg dry	SW-846 6010	9/27/00 18:24	VIK
BARIUM	27.0	0.076	mg/kg dry	SW-846 6010	9/27/00 18:24	VIK
BERYLLIUM	0.32	0.015	mg/kg dry	SW-846 6010	9/27/00 18:24	VIK
CADMIUM	1.38	0.076	mg/kg dry	SW-846 6010	9/27/00 18:24	VIK
CHROMIUM	10.4	0.45	mg/kg dry	SW-846 6010	9/27/00 18:24	VIK
COBALT	8.79	0.45	mg/kg dry	SW-846 6010	9/27/00 18:24	VIK
COPPER	14.2	0.76	mg/kg dry	SW-846 6010	9/27/00 18:24	VIK
IRON	22700	76.0	mg/kg dry	SW-846 6010	9/27/00 19:14	VIK
LEAD	13.9	0.60	mg/kg dry	SW-846 6010	9/27/00 18:24	VIK
MAGNESIUM	2590	75.8	mg/kg dry	SW-846 6010	9/28/00 9:56	VIK
MERCURY	<0.12	0.12	mg/kg dry	SW-846 7471A	9/28/00 9:41	RJC
NICKEL	16.4	0.30	mg/kg dry	SW-846 6010	9/27/00 18:24	VIK
POTASSIUM	503	152	mg/kg dry	SW-846 6010	9/28/00 10:42	VIK
SELENIUM	<3.0	3.0	mg/kg dry	SW-846 6010	9/27/00 18:24	VIK
SILVER	<0.30	0.30	mg/kg dry	SW-846 6010	9/27/00 18:24	VIK
SODIUM	<45	45	mg/kg dry	SW-846 6010	9/28/00 11:13	VIK
THALLIUM	<1.5	1.5	mg/kg dry	SW-846 6010	9/27/00 18:24	VIK
VANADIUM	14.1	0.30	mg/kg dry	SW-846 6010	9/27/00 18:24	VIK
ZINC	68.5	0.30	mg/kg dry	SW-846 6010	9/27/00 18:24	VIK

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R.I. Analytical

Sample #: 021
SAMPLE DESCRIPTION: NAVSTA-CS-VA13-01 GRAB 09/21/00 @1320

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by: R.I. Analytical

Sample #: 021

NAVSTA-CS-VA13-01 GRAB 09/21/00 @1320

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 12:10	JAH
SURROGATES			RANGE	SW-846 8270	9/28/00 12:10	JAH
Phenol-d5	40		24-113%	SW-846 8270	9/28/00 12:10	JAH
2-Fluorophenol	22		25-121%	SW-846 8270	9/28/00 12:10	JAH
2,4,6-Tribromophenol	21		19-122%	SW-846 8270	9/28/00 12:10	JAH
Nitrobenzene-d5	50		23-120%	SW-846 8270	9/28/00 12:10	JAH
2-Fluorobiphenyl	60		30-115%	SW-846 8270	9/28/00 12:10	JAH
P-Terphenyl-d14	65		18-137%	SW-846 8270	9/28/00 12:10	JAH

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Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 022
SAMPLE DESCRIPTION: NAVSTA-CS-VA13-01 GRAB 09/21/00 @1320

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/27/00 15:09	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/27/00 15.09	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15.09	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/27/00 15:09	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/27/00 15:09	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
Dibromochloromethane	<0 004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/27/00 15:09	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/27/00 15:09	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15.09	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15.09	JL
p-Isopropyltoluene	<0 004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/27/00 15:09	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 022

NAVSTA-CS-VA13-01 GRAB 09/21/00 @1320

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15 09	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15.09	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15 09	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15.09	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	9/27/00 15:09	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	9/27/00 15:09	JL
SURROGATES			RANGE	5035/8260	9/27/00 15:09	JL
Dibromofluoromethane	91		80-120%	5035/8260	9/27/00 15:09	JL
Toluene-d8	100		81-117%	5035/8260	9/27/00 15:09	JL
4-Bromofluorobenzene	105		74-121%	5035/8260	9/27/00 15:09	JL
1,2 Dichloroethane-d4	107		80-120%	5035/8260	9/27/00 15:09	JL

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 023
SAMPLE DESCRIPTION: NAVSTA-CS-VA13-01 GRAB 09/21/00 @1320

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<29	29	mg/kg dry	EPA 418.1	9/26/00 14:49	SWM

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Foster Wheeler
Date Received: 9/21/00
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R.I. Analytical

Sample #: 024
SAMPLE DESCRIPTION: NAVSTA-CS-VA13-01 GRAB 09/21/00 @1320

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	9/28/00 6:07	CLB
C9-C24	49	4.0	mg/kg dry	SW846 8015B	9/28/00 6:07	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	9/28/00 6:07	CLB

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Sample #: 025
SAMPLE DESCRIPTION: NAVSTA-CS-VA13-01 GRAB 09/21/00 @1320

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	8420	145	mg/kg dry	SW-846 6010	9/27/00 19:10	VIK
ANTIMONY	<2.9	2.9	mg/kg dry	SW-846 6010	9/27/00 18:20	VIK
ARSENIC	7.3	1.4	mg/kg dry	SW-846 6010	9/27/00 18:20	VIK
BARIUM	23.2	0.073	mg/kg dry	SW-846 6010	9/27/00 18:20	VIK
BERYLLIUM	0.29	0.014	mg/kg dry	SW-846 6010	9/27/00 18:20	VIK
CADMIUM	1.12	0.073	mg/kg dry	SW-846 6010	9/27/00 18:20	VIK
CHROMIUM	8.87	0.44	mg/kg dry	SW-846 6010	9/27/00 18:20	VIK
COBALT	7.99	0.44	mg/kg dry	SW-846 6010	9/27/00 18:20	VIK
COPPER	11.8	0.73	mg/kg dry	SW-846 6010	9/27/00 18:20	VIK
IRON	19900	73.0	mg/kg dry	SW-846 6010	9/27/00 19:10	VIK
LEAD	10.3	0.58	mg/kg dry	SW-846 6010	9/27/00 18:20	VIK
MAGNESIUM	1850	72.7	mg/kg dry	SW-846 6010	9/28/00 10:02	VIK
MERCURY	<0.09	0.09	mg/kg dry	SW-846 7471A	9/28/00 9:41	RJC
NICKEL	16.6	0.29	mg/kg dry	SW-846 6010	9/27/00 18:20	VIK
POTASSIUM	500	145	mg/kg dry	SW-846 6010	9/28/00 10:48	VIK
SELENIUM	<2.9	2.9	mg/kg dry	SW-846 6010	9/27/00 18:20	VIK
SILVER	<0.29	0.29	mg/kg dry	SW-846 6010	9/27/00 18:20	VIK
SODIUM	44	44	mg/kg dry	SW-846 6010	9/28/00 11:19	VIK
THALLIUM	<1.4	1.4	mg/kg dry	SW-846 6010	9/27/00 18:20	VIK
VANADIUM	11.3	0.29	mg/kg dry	SW-846 6010	9/27/00 18:20	VIK
ZINC	36.3	0.29	mg/kg dry	SW-846 6010	9/27/00 18:20	VIK

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Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

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R.I. Analytical

Sample #: 026
SAMPLE DESCRIPTION: NAVSTA-CS-VE14-01 GRAB 09/21/00 @1300

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH

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Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

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Sample #: 026

NAVSTA-CS-VE14-01 GRAB 09/21/00 @1300

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/28/00 13:24	JAH
SURROGATES			RANGE	SW-846 8270	9/28/00 13:24	JAH
Phenol-d5	37		24-113%	SW-846 8270	9/28/00 13:24	JAH
2-Fluorophenol	16		25-121%	SW-846 8270	9/28/00 13:24	JAH
2,4,6-Tribromophenol	141		19-122%	SW-846 8270	9/28/00 13:24	JAH
Nitrobenzene-d5	51		23-120%	SW-846 8270	9/28/00 13:24	JAH
2-Fluorobiphenyl	56		30-115%	SW-846 8270	9/28/00 13:24	JAH
P-Terphenyl-d14	70		18-137%	SW-846 8270	9/28/00 13:24	JAH

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Foster Wheeler
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Sample #: 027
SAMPLE DESCRIPTION: NAVSTA-CS-VE14-01 GRAB 09/21/00 @1309

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/29/00 19:50	JAH
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/29/00 19:50	JAH
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/29/00 19:50	JAH
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/29/00 19:50	JAH
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/29/00 19:50	JAH
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/29/00 19:50	JAH
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/29/00 19:50	JAH

R.I. Analytical Laboratories, Inc.

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Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 027

NAVSTA-CS-VE14-01 GRAB 09/21/00 @1300

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
Styrene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
Toluene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
1,1,2-Trichloroethane	<0 004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/29/00 19:50	JAH
m&p-Xylene	<0.004	0 004	mg/kg	5035/8260	9/29/00 19:50	JAH
MTBE	<0.008	0.008	mg/kg	5035/8260	9/29/00 19:50	JAH
SURROGATES			RANGE	5035/8260	9/29/00 19:50	JAH
Dibromofluoromethane	103		80-120%	5035/8260	9/29/00 19:50	JAH
Toluene-d8	96		81-117%	5035/8260	9/29/00 19:50	JAH
4-Bromofluorobenzene	91		74-121%	5035/8260	9/29/00 19:50	JAH
1,2 Dichloroethane-d4	98		80-120%	5035/8260	9/29/00 19:50	JAH

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Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by: R.I. Analytical

Sample #: 028
SAMPLE DESCRIPTION: NAVSTA-CS-VE14-01 GRAB 09/21/00 @1300

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<29	29	mg/kg dry	EPA 418.1	9/26/00 14:49	SWM

R.I. Analytical Laboratories, Inc.

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Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

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R.I. Analytical

Sample #: 029
SAMPLE DESCRIPTION: NAVSTA-CS-VE14-01 GRAB 09/21/00 @1300

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	9/28/00 8:14	CLB
C9-C24	20	4.0	mg/kg dry	SW846 8015B	9/28/00 8:14	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	9/28/00 8:14	CLB

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 030
SAMPLE DESCRIPTION: NAVSTA-CS-VE14-01 GRAB 09/21/00 @1300

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	8100	144	mg/kg dry	SW-846 6010	9/27/00 19:06	VIK
ANTIMONY	<2.9	2.9	mg/kg dry	SW-846 6010	9/27/00 18.16	VIK
ARSENIC	4.3	1.4	mg/kg dry	SW-846 6010	9/27/00 18:16	VIK
BARIUM	21 0	0.072	mg/kg dry	SW-846 6010	9/27/00 18:16	VIK
BERYLLIUM	0.25	0.014	mg/kg dry	SW-846 6010	9/27/00 18:16	VIK
CADMIUM	0.980	0.072	mg/kg dry	SW-846 6010	9/27/00 18:16	VIK
CHROMIUM	6.96	0.43	mg/kg dry	SW-846 6010	9/27/00 18:16	VIK
COBALT	4.64	0.43	mg/kg dry	SW-846 6010	9/27/00 18:16	VIK
COPPER	7.83	0.72	mg/kg dry	SW-846 6010	9/27/00 18:16	VIK
IRON	15600	72.0	mg/kg dry	SW-846 6010	9/27/00 19:06	VIK
LEAD	4.06	0.58	mg/kg dry	SW-846 6010	9/27/00 18:16	VIK
MAGNESIUM	1330	72.5	mg/kg dry	SW-846 6010	9/28/00 10:05	VIK
MERCURY	<0.10	0.10	mg/kg dry	SW-846 7471A	9/28/00 9:41	RJC
NICKEL	9.85	0.29	mg/kg dry	SW-846 6010	9/27/00 18:16	VIK
POTASSIUM	412	145	mg/kg dry	SW-846 6010	9/27/00 10:51	VIK
SELENIUM	<2.9	2.9	mg/kg dry	SW-846 6010	9/27/00 18:16	VIK
SILVER	<0.29	0.29	mg/kg dry	SW-846 6010	9/27/00 18:16	VIK
SODIUM	<43	43	mg/kg dry	SW-846 6010	9/27/00 11:22	VIK
THALLIUM	<1 4	1.4	mg/kg dry	SW-846 6010	9/27/00 18:16	VIK
VANADIUM	10.1	0.29	mg/kg dry	SW-846 6010	9/27/00 18:16	VIK
ZINC	60.1	0.29	mg/kg dry	SW-846 6010	9/27/00 18.16	VIK

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 03-1
SAMPLE DESCRIPTION: PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME		ANALYST
TPH IR	<25	25	mg/kg dry	EPA 418 1	9/27/00	16:00	SWM
TPH GC							
C6-C9	<12	12	mg/kg dry	SW846 8015B	9/28/00	4:01	CLB
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	9/28/00	4:01	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	9/28/00	4:01	CLB
Volatile Organic Compounds							
Benzene	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	9/29/00	12:02	JAH
Bromodichloromethane	<0 004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
Bromoform	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
Bromomethane	<0.02	0.02	mg/kg	5035/8260	9/29/00	12:02	JAH
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00	12.02	JAH
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
Chloroethane	<0.01	0.01	mg/kg	5035/8260	9/29/00	12:02	JAH
Chloroform	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
Chloromethane	<0.01	0.01	mg/kg	5035/8260	9/29/00	12:02	JAH
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	9/29/00	12:02	JAH
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	9/29/00	12:02	JAH
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	9/29/00	12:02	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 031

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 12.02	JAH
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	9/29/00 12:02	JAH
Naphthalene	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
Styrene	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
Toluene	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
o-Xylene	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	9/29/00 12:02	JAH
MTBE	<0.008	0.008	mg/kg	5035/8250	9/29/00 12:02	JAH
SURROGATES			RANGE	5035/8260	9/29/00 12:02	JAH
Dibromofluoromethane	100		80-120%	5035/8260	9/29/00 12:02	JAH
Toluene-d8	98		81-117%	5035/8260	9/29/00 12:02	JAH
4-Bromofluorobenzene	95		74-121%	5035/8260	9/29/00 12:02	JAH
1,2 Dichloroethane-d4	99		80-120%	5035/8260	9/29/00 12:02	JAH
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 031

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/21/00
Work Order # 0009-11500

Approved by:
R.I. Analytical

Sample #: 031

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	9/27/00 20:36	JAH
SURROGATES			RANGE	SW-846 8270	9/27/00 20:36	JAH
Phenol-d5	51		24-113%	SW-846 8270	9/27/00 20:36	JAH
2-Fluorophenol	27		25-121%	SW-846 8270	9/27/00 20:36	JAH
2,4,6-Tribromophenol	48		19-122%	SW-846 8270	9/27/00 20:36	JAH
Nitrobenzene-d5	62		23-120%	SW-846 8270	9/27/00 20:36	JAH
2-Fluorobiphenyl	73		30-115%	SW-846 8270	9/27/00 20:36	JAH
P-Terphenyl-d14	98		18-137%	SW-846 8270	9/27/00 20:36	JAH
TOTAL METALS						
ALUMINUM	<0.1	0.1	mg/kg dry	SW-846 6010	9/27/00 17:57	VIK
ANTIMONY	<0.2	0.2	mg/kg dry	SW-846 6010	9/27/00 17:57	VIK
ARSENIC	<0.1	0.1	mg/kg dry	SW-846 6010	9/27/00 17:57	VIK
BARIUM	<0.005	0.005	mg/kg dry	SW-846 6010	9/27/00 17:57	VIK
BERYLLIUM	<0.001	0.001	mg/kg dry	SW-846 6010	9/27/00 17:57	VIK
CADMIUM	<0.005	0.005	mg/kg dry	SW-846 6010	9/27/00 17:57	VIK
CHROMIUM	<0.03	0.03	mg/kg dry	SW-846 6010	9/27/00 17:57	VIK
COBALT	<0.03	0.03	mg/kg dry	SW-846 6010	9/27/00 17:57	VIK
COPPER	<0.05	0.05	mg/kg dry	SW-846 6010	9/27/00 17:57	VIK
IRON	<0.05	0.05	mg/kg dry	SW-846 6010	9/27/00 17:57	VIK
LEAD	<0.04	0.04	mg/kg dry	SW-846 6010	9/27/00 17:57	VIK
MAGNESIUM	<0.05	0.05	mg/kg dry	SW-846 6010	9/28/00 9:27	TD
MERCURY	<0.125	0.125	mg/kg dry	SW-846 7471A	9/28/00 14:46	KSL
NICKEL	<0.02	0.02	mg/kg dry	SW-846 6010	9/27/00 17:57	VIK
POTASSIUM	<1.0	1.0	mg/kg dry	SW-846 6010	9/28/00 9:27	TD
SELENIUM	<0.2	0.2	mg/kg dry	SW-846 6010	9/27/00 17:57	VIK
SILVER	<0.02	0.02	mg/kg dry	SW-846 6010	9/27/00 17:57	VIK
SODIUM	<3	3	mg/kg dry	SW-846 6010	9/28/00 9:27	TD
THALLIUM	<0.1	0.1	mg/kg dry	SW-846 6010	9/27/00 17:57	VIK
VANADIUM	<0.02	0.02	mg/kg dry	SW-846 6010	9/27/00 17:57	VIK
ZINC	<0.02	0.02	mg/kg dry	SW-846 6010	9/27/00 17:57	VIK

White Copy Original (Accompanies Samples) Yellow Copy – Collector Pink Copy – Customer's Copy

R.I. Analytical Laboratories, Inc.

41 Illinois Avenue
Warwick, RI 02888
Phone: (401) 737-8500
Fax: (401) 738-1970

950 Boylston Street, Unit 102
Newton Highlands, MA 02461
Phone: (617) 965-5133
Fax: (617) 965-5624

CHAIN OF CUSTODY RECORD

Page 1 of 1

Container Type Codes:		Preservative Codes:		Matrix Codes:	
P=Plastic	AG=Amber Glass	NP=Non preserved	S=Sulfuric	GW=Groundwater	S=Soil
G=Glass	St=Sterile	I=Cooled 4°C	H=HCL	WW=Wastewater	Sl=Sludge
V=Vial		N=Nitric	SH=NaOH	DW=Drinking water	A=Air
O=Other (describe)		M=Methanol	SB=NaHSO4	O=Other (describe)	B=Bulk/Solid

Date Collected	Time Collected	Sample ID	G=Grab C=Comp.	Containers # + (code)	Preservative (code)	Matrix (code)	Analysis Request
9/20/00	1330	NAVSTA-CS-VE12-01	G	3U 2G	I, M, SB I	S	8270; 8260; 418.1; 8015; TAL Metals
↓	1455	↓ ↓ -VA11-01	↓	↓	↓	↓	↓ ↓ ↓ ↓ ↓
9/20/00	1520	NAVSTA-CS-VA12-01	G	3U 2G	I, M, SB I	S	8270; 8260; 418.1; 8015; TAL metals
9/21/00	1345	VE13-01	↓	↓	↓	↓	↓ ↓ ↓ ↓ ↓
↓	1320	VA13-01	↓	↓	↓	↓	↓ ↓ ↓ ↓ ↓
9/21/00	1300	NAVSTA-CS-VE14-01	G	3U 2G	I, M, SB I	S	8270, 8260; 418.1; 8015; TAL metals

Client Information

Company Name: Foster Wheeler
Address: 145 Bluoma Rd
City / State / Zip: Portsmouth, RI
Phone: 683-5259 Fax: 683-5218
Contact: Josh Holden

Project Information

Project Name / Location: Pipeline Cleanup
PO Number / Project Number: 027615 / 0065
Project Manager / Report To: Holden
Sampled by: Holden / Paine
Reference Proposal:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	9/21/00	1600	[signature]	9/21/00	1600
[signature]	9/21/00	1700	[signature]	9-21-00	1741

Turn Around Time:

- ☐ Normal
- ☒ 5 business days Surcharges may apply
- ☐ Rush _____ (business days)

Project Comments:
Low UBCs
Det limits must not RIDEM RIDEC

RIAL USE ONLY:
- ☒ Pick-Up Only
- ☐ RIAL Sampled
- ☒ Shipped on Ice
RIAL W.O. # 11500

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Foster Wheeler
Attn: Mr. Josh Holden
P.O. Box 4350
Middletown, RI 02842

Date Received: 9/29/00
Date Reported: 10/10/00
P.O. #: 020128
Work Order #: 0009-11895

DESCRIPTION: PROJECT# 0065 FUEL LINE CLOSURE

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mish
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: NAVSTA-CS-VA10-01 GRAB 09/28/00 @1445

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 001

NAVSTA-CS-VA10-01 GRAB 09/28/00 @1445

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:29	JAH
SURROGATES			RANGE	SW-846 8270	10/06/00 13:29	JAH
Phenol-d5	49		24-113%	SW-846 8270	10/06/00 13:29	JAH
2-Fluorophenol	47		25-121%	SW-846 8270	10/06/00 13:29	JAH
2,4,6-Tribromophenol	49		19-122%	SW-846 8270	10/06/00 13:29	JAH
Nitrobenzene-d5	54		23-120%	SW-846 8270	10/06/00 13:29	JAH
2-Fluorobiphenyl	52		30-115%	SW-846 8270	10/06/00 13:29	JAH
P-Terphenyl-d14	75		18-137%	SW-846 8270	10/06/00 13:29	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 002
SAMPLE DESCRIPTION: NAVSTA-CS-VA10-01 GRAB 09/28/00 @1445

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/09/00 2:08	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
Bromomethane	<0 02	0.02	mg/kg	5035/8260	10/09/00 2:08	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2.08	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 2:08	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 2.08	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/09/00 2:08	JL
1,2-Dibromoethane(EDB)	<0 004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 2:08	JL
1,1-Dichloroethane	<0 004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2 08	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2.08	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/09/00 2:08	JL

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 002

NAVSTA-CS-VA10-01 GRAB 09/28/00 @1445

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2.08	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2.08	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
Trichlorofluoromethane	<0 004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
1,3,5-Trimethylbenzene	<0.004	0 004	mg/kg	5035/8260	10/09/00 2:08	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
o-Xylene	<0 004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:08	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/09/00 2:08	JL
SURROGATES			RANGE	5035/8260	10/09/00 2:08	JL
Dibromofluoromethane	105		80-120%	5035/8260	10/09/00 2:08	JL
Toluene-d8	98		81-117%	5035/8260	10/09/00 2:08	JL
4-Bromofluorobenzene	105		74-121%	5035/8260	10/09/00 2:08	JL
1,2 Dichloroethane-d4	104		80-120%	5035/8260	10/09/00 2:08	JL

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Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 003
SAMPLE DESCRIPTION: NAVSTA-CS-VA10-01 GRAB 09/28/00 @1445

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<28	28	mg/kg dry	EPA 418.1	10/05/00 15:06	SWM

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Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 004
SAMPLE DESCRIPTION: NAVSTA-CS-VA10-01 GRAB 09/28/00 @1445

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/05/00 23:12	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	10/05/00 23:12	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	10/05/00 23:12	NPV

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Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

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R.I. Analytical

Sample #: 005
SAMPLE DESCRIPTION: NAVSTA-CS-VA10-01 GRAB 09/28/00 @1445

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	7920	1100	mg/kg dry	SW-846 6010	10/05/00 20:15	VIK
ANTIMONY	2.3	2.3	mg/kg dry	SW-846 6010	10/05/00 19:20	VIK
ARSENIC	11.5	1.1	mg/kg dry	SW-846 6010	10/05/00 19:20	VIK
BARIUM	20.7	0.057	mg/kg dry	SW-846 6010	10/05/00 19:20	VIK
BERYLLIUM	0.310	0.011	mg/kg dry	SW-846 6010	10/05/00 19:20	VIK
CADMIUM	3.00	0.057	mg/kg dry	SW-846 6010	10/05/00 19:20	VIK
CHROMIUM	18.7	0.34	mg/kg dry	SW-846 6010	10/05/00 19:20	VIK
COBALT	17.8	0 34	mg/kg dry	SW-846 6010	10/05/00 19:20	VIK
COPPER	23.6	0.57	mg/kg dry	SW-846 6010	10/05/00 19:20	VIK
IRON	43000	570	mg/kg dry	SW-846 6010	10/05/00 19:20	VIK
LEAD	11.0	0.46	mg/kg dry	SW-846 6010	10/05/00 19:20	VIK
MAGNESIUM	2140	0.57	mg/kg dry	SW-846 6010	10/06/00 9:09	KSL
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/06/00 9:31	RJC
NICKEL	38.5	0.23	mg/kg dry	SW-846 6010	10/05/00 19:20	VIK
POTASSIUM	440	11.5	mg/kg dry	SW-846 5010	10/06/00 9:09	KSL
SELENIUM	<2.3	2.3	mg/kg dry	SW-846 6010	10/05/00 19:20	VIK
SILVER	0.34	0.23	mg/kg dry	SW-846 6010	10/05/00 19:20	VIK
SODIUM	92	34	mg/kg dry	SW-846 6010	10/06/00 9:42	KSL
THALLIUM	<1.1	1.1	mg/kg dry	SW-846 6010	10/05/00 19:20	VIK
VANADIUM	14.2	0.23	mg/kg dry	SW-846 6010	10/05/00 19:20	VIK
ZINC	121	0.23	mg/kg dry	SW-846 6010	10/05/00 19:20	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 006
SAMPLE DESCRIPTION: NAVSTA-CS-VA14-01 GRAB 09/28/00 @1405

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 006

NAVSTA-CS-VA14-01 GRAB 09/28/00 @1405

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:36	JAH
SURROGATES			RANGE	SW-846 8270	10/06/00 12:36	JAH
Phenol-d5	53		24-113%	SW-846 8270	10/06/00 12:36	JAH
2-Fluorophenol	56		25-121%	SW-846 8270	10/06/00 12:36	JAH
2,4,6-Tribromophenol	61		19-122%	SW-846 8270	10/06/00 12:36	JAH
Nitrobenzene-d5	60		23-120%	SW-846 8270	10/06/00 12:36	JAH
2-Fluorobiphenyl	58		30-115%	SW-846 8270	10/06/00 12:36	JAH
P-Terphenyl-d14	77		18-137%	SW-846 8270	10/06/00 12:36	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 007
SAMPLE DESCRIPTION: NAVSTA-CS-VA14-01 GRAB 09/28/00 @1405

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/09/00 2:53	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/09/00 2:53	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 2:53	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 2:53	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/09/00 2:53	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 2:53	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
Isopropylbenzene	<0 004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/09/00 2:53	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 007

NAVSTA-CS-VA14-01 GRAB 09/28/00 @1405

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/09/00 2:53	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/09/00 2:53	JL
SURROGATES			RANGE	5035/8260	10/09/00 2:53	JL
Dibromofluoromethane	107		80-120%	5035/8260	10/09/00 2:53	JL
Toluene-d8	95		81-117%	5035/8260	10/09/00 2:53	JL
4-Bromofluorobenzene	104		74-121%	5035/8260	10/09/00 2:53	JL
1,2 Dichloroethane-d4	102		80-120%	5035/8260	10/09/00 2:53	JL

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 008
SAMPLE DESCRIPTION: NAVSTA-CS-VA14-01 GRAB 09/28/00 @1405

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<28	28	mg/kg dry	EPA 418.1	10/05/00 15:06	SWM

R.I. Analytical Laboratories, Inc.

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Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 009
SAMPLE DESCRIPTION: NAVSTA-CS-VA14-01 GRAB 09/28/00 @1405

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/05/00 23:12	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	10/05/00 23:12	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	10/05/00 23:12	NPV

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 010
SAMPLE DESCRIPTION: NAVSTA-CS-VA14-01 GRAB 09/28/00 @1405

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	10800	1200	mg/kg dry	SW-846 6010	10/05/00 20:19	VIK
ANTIMONY	<2.3	2.3	mg/kg dry	SW-846 6010	10/05/00 19:24	VIK
ARSENIC	5.9	1.2	mg/kg dry	SW-846 6010	10/05/00 19:24	VIK
BARIUM	20.6	0.059	mg/kg dry	SW-846 6010	10/05/00 19:24	VIK
BERYLLIUM	0.258	0.012	mg/kg dry	SW-846 6010	10/05/00 19:24	VIK
CADMIUM	1.36	0.059	mg/kg dry	SW-846 6010	10/05/00 19:24	VIK
CHROMIUM	10.1	0.35	mg/kg dry	SW-846 6010	10/05/00 19:24	VIK
COBALT	8.45	0.35	mg/kg dry	SW-846 6010	10/05/00 19:24	VIK
COPPER	9.15	0.59	mg/kg dry	SW-846 6010	10/05/00 19:24	VIK
IRON	23600	590	mg/kg dry	SW-846 6010	10/05/00 20:19	VIK
LEAD	11.4	0.46	mg/kg dry	SW-846 6010	10/05/00 19:24	VIK
MAGNESIUM	2300	5.90	mg/kg dry	SW-846 6010	10/06/00 9:12	KSL
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/06/00 9:31	RJC
NICKEL	17.8	0.23	mg/kg dry	SW-846 6010	10/05/00 19:24	VIK
POTASSIUM	333	117	mg/kg dry	SW-846 6010	10/06/00 9:12	KSL
SELENIUM	<2.3	2.3	mg/kg dry	SW-846 6010	10/05/00 19:24	VIK
SILVER	<0.23	0.23	mg/kg dry	SW-846 6010	10/05/00 19:24	VIK
SODIUM	<35	35	mg/kg dry	SW-846 6010	10/06/00 9:46	KSL
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	10/05/00 19:24	VIK
VANADIUM	11.7	0.23	mg/kg dry	SW-846 6010	10/05/00 19:24	VIK
ZINC	36.8	0.23	mg/kg dry	SW-846 6010	10/05/00 19:24	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 011
SAMPLE DESCRIPTION: NAVSTA-CS-VE15-01 GRAB 09/28/00 @1235

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 011

NAVSTA-CS-VE15-01 GRAB 09/28/00 @1235

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11 43	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11 43	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:43	JAH
SURROGATES			RANGE	SW-846 8270	10/06/00 11:43	JAH
Phenol-d5	43		24-113%	SW-846 8270	10/06/00 11:43	JAH
2-Fluorophenol	48		25-121%	SW-846 8270	10/06/00 11.43	JAH
2,4,6-Tribromophenol	44		19-122%	SW-846 8270	10/06/00 11:43	JAH
Nitrobenzene-d5	53		23-120%	SW-846 8270	10/06/00 11:43	JAH
2-Fluorobiphenyl	51		30-115%	SW-846 8270	10/06/00 11:43	JAH
P-Terphenyl-d14	62		18-137%	SW-846 8270	10/06/00 11.43	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 012
SAMPLE DESCRIPTION: NAVSTA-CS-VE15-01 GRAB 09/28/00 @1235

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/09/00 3:39	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/09/00 3:39	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 3:39	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 3:39	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/09/00 3:39	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 3:39	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/09/00 3:39	JL

R.I. Analytical Laboratories, Inc.

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Approved by: R.I. Analytical

Sample #: 012

NAVSTA-CS-VE15-01 GRAB 09/28/00 @1235

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3.39	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
Toluene	<0 004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3 39	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/09/00 3:39	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/09/00 3:39	JL
SURROGATES			RANGE	5035/8260	10/09/00 3:39	JL
Dibromofluoromethane	109		80-120%	5035/8260	10/09/00 3:39	JL
Toluene-d8	97		81-117%	5035/8260	10/09/00 3:39	JL
4-Bromofluorobenzene	88		74-121%	5035/8260	10/09/00 3:39	JL
1,2 Dichloroethane-d4	103		80-120%	5035/8260	10/09/00 3:39	JL

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Sample #: 013
SAMPLE DESCRIPTION: NAVSTA-CS-VE15-01 GRAB 09/28/00 @1235

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	430	28	mg/kg dry	EPA 418.1	10/05/00 15:06	SWM

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Sample #: 014
SAMPLE DESCRIPTION: NAVSTA-CS-VE15-01 GRAB 09/28/00 @1235

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/05/00 23:12	NPV
C9-C24	6.4	4.0	mg/kg dry	SW846 8015B	10/05/00 23:12	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	10/05/00 23:12	NPV

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Sample #: 015
SAMPLE DESCRIPTION: NAVSTA-CS-VE15-01 GRAB 09/28/00 @1235

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	11300	1200	mg/kg dry	SW-846 6010	10/05/00 20:23	VIK
ANTIMONY	<2.3	2.3	mg/kg dry	SW-846 6010	10/05/00 19:27	VIK
ARSENIC	9.3	1.2	mg/kg dry	SW-846 6010	10/05/00 19:27	VIK
BARIUM	26.3	0.058	mg/kg dry	SW-846 6010	10/05/00 19:27	VIK
BERYLLIUM	0.303	0.012	mg/kg dry	SW-846 6010	10/05/00 19:27	VIK
CADMIUM	1.95	0.058	mg/kg dry	SW-846 6010	10/05/00 19:27	VIK
CHROMIUM	12.8	0.35	mg/kg dry	SW-846 6010	10/05/00 19:27	VIK
COBALT	12.8	0.35	mg/kg dry	SW-846 6010	10/05/00 19:27	VIK
COPPER	17.8	0.58	mg/kg dry	SW-846 6010	10/05/00 19:27	VIK
IRON	33000	580	mg/kg dry	SW-846 6010	10/05/00 20:23	VIK
LEAD	19.1	0.46	mg/kg dry	SW-846 6010	10/05/00 19:27	VIK
MAGNESIUM	3140	5.80	mg/kg dry	SW-846 6010	10/06/00 9:16	KSL
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/06/00 9:31	RJC
NICKEL	21.2	0.23	mg/kg dry	SW-846 6010	10/05/00 19:27	VIK
POTASSIUM	502	116	mg/kg dry	SW-846 6010	10/06/00 9:16	KSL
SELENIUM	<2.3	2.3	mg/kg dry	SW-846 6010	10/05/00 19:27	VIK
SILVER	<0.23	0.23	mg/kg dry	SW-846 6010	10/05/00 19:27	VIK
SODIUM	47	35	mg/kg dry	SW-846 6010	10/06/00 9:49	KSL
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	10/05/00 19:27	VIK
VANADIUM	14.0	0.23	mg/kg dry	SW-846 6010	10/05/00 19:27	VIK
ZINC	46.7	0.23	mg/kg dry	SW-846 6010	10/05/00 19:27	VIK

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Sample #: 016
SAMPLE DESCRIPTION: NAVSTA-CS-VA15-01 GRAB 09/28/00 @1210

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 016

NAVSTA-CS-VA15-01 GRAB 09/28/00 @1210

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 13:13	JAH
SURROGATES			RANGE	SW-846 8270	10/06/00 13:13	JAH
Phenol-d5	34		24-113%	SW-846 8270	10/06/00 13:13	JAH
2-Fluorophenol	35		25-121%	SW-846 8270	10/06/00 13:13	JAH
2,4,6-Tribromophenol	88		19-122%	SW-846 8270	10/06/00 13:13	JAH
Nitrobenzene-d5	38		23-120%	SW-846 8270	10/06/00 13:13	JAH
2-Fluorobiphenyl	41		30-115%	SW-846 8270	10/06/00 13:13	JAH
P-Terphenyl-d14	60		18-137%	SW-846 8270	10/06/00 13:13	JAH

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Approved by:
R.I. Analytical

Sample #: 017
SAMPLE DESCRIPTION: NAVSTA-CS-VA15-01 GRAB 09/28/00 @1210

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/09/00 4:25	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/09/00 4:25	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 4:25	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 4:25	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/09/00 4:25	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 4:25	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/09/00 4:25	JL

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 017

NAVSTA-CS-VA15-01 GRAB 09/28/00 @1210

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/09/00 4:25	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/09/00 4:25	JL
SURROGATES			RANGE	5035/8260	10/09/00 4:25	JL
Dibromofluoromethane	108		80-120%	5035/8260	10/09/00 4:25	JL
Toluene-d8	98		81-117%	5035/8260	10/09/00 4:25	JL
4-Bromofluorobenzene	106		74-121%	5035/8260	10/09/00 4:25	JL
1,2 Dichloroethane-d4	100		80-120%	5035/8260	10/09/00 4:25	JL

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Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by: R.I. Analytical

Sample #: 018
SAMPLE DESCRIPTION: NAVSTA-CS-VA15-01 GRAB 09/28/00 @1210

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	190	29	mg/kg dry	EPA 418.1	10/05/00 15:06	SWM

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Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by: R.I. Analytical

Sample #: 019
SAMPLE DESCRIPTION: NAVSTA-CS-VA15-01 GRAB 09/28/00 @1210

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/05/00 23:12	NPV
C9-C24	11	4.0	mg/kg dry	SW846 8015B	10/05/00 23:12	NPV
C24-C36	44	20	mg/kg dry	SW846 8015B	10/05/00 23:12	NPV

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by: _____
R.I. Analytical

Sample #: 020
SAMPLE DESCRIPTION: NAVSTA-CS-VA15-01 GRAB 09/28/00 @1210

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	8110	1100	mg/kg dry	SW-846 6010	10/05/00 19:35	VIK
ANTIMONY	<2.2	2.2	mg/kg dry	SW-846 6010	10/05/00 19:35	VIK
ARSENIC	6.6	1.1	mg/kg dry	SW-846 6010	10/05/00 19:35	VIK
BARIUM	18.6	0.055	mg/kg dry	SW-846 6010	10/05/00 19:35	VIK
BERYLLIUM	0.332	0.011	mg/kg dry	SW-846 6010	10/05/00 19:35	VIK
CADMIUM	1.47	0.055	mg/kg dry	SW-846 6010	10/05/00 19:35	VIK
CHROMIUM	8.63	0.33	mg/kg dry	SW-846 6010	10/05/00 19:35	VIK
COBALT	8.41	0.33	mg/kg dry	SW-846 6010	10/05/00 19:35	VIK
COPPER	12.0	0.55	mg/kg dry	SW-846 6010	10/05/00 19:35	VIK
IRON	21300	550	mg/kg dry	SW-846 6010	10/05/00 20:30	VIK
LEAD	15.2	0.44	mg/kg dry	SW-846 6010	10/05/00 19:35	VIK
MAGNESIUM	1910	5.50	mg/kg dry	SW-846 6010	10/06/00 9:19	KSL
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/06/00 9:31	RJC
NICKEL	14.5	0.22	mg/kg dry	SW-846 6010	10/05/00 19:35	VIK
POTASSIUM	377	111	mg/kg dry	SW-846 6010	10/06/00 9:19	KSL
SELENIUM	<2.2	2.2	mg/kg dry	SW-846 6010	10/05/00 19:35	VIK
SILVER	<0.22	0.22	mg/kg dry	SW-846 6010	10/05/00 19:35	VIK
SODIUM	44	33	mg/kg dry	SW-846 6010	10/06/00 9:52	KSL
THALLIUM	<1.1	1.1	mg/kg dry	SW-846 6010	10/05/00 19:35	VIK
VANADIUM	10.3	0.22	mg/kg dry	SW-846 6010	10/05/00 19:35	VIK
ZINC	35.6	0.22	mg/kg dry	SW-846 6010	10/05/00 19:35	VIK

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 021
SAMPLE DESCRIPTION: NAVSTA-CS-VE4-01 GRAB 09/28/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 021

NAVSTA-CS-VE4-01 GRAB 09/28/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 12:18	JAH
SURROGATES			RANGE	SW-846 8270	10/06/00 12:18	JAH
Phenol-d5	21		24-113%	SW-846 8270	10/06/00 12:18	JAH
2-Fluorophenol	35		25-121%	SW-846 8270	10/06/00 12:18	JAH
2,4,6-Tribromophenol	72		19-122%	SW-846 8270	10/06/00 12:18	JAH
Nitrobenzene-d5	24		23-120%	SW-846 8270	10/06/00 12:18	JAH
2-Fluorobiphenyl	32		30-115%	SW-846 8270	10/06/00 12:18	JAH
P-Terphenyl-d14	39		18-137%	SW-846 8270	10/06/00 12:18	JAH

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Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 022
SAMPLE DESCRIPTION: NAVSTA-CS-VE4-01 GRAB 09/28/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
Bromobenzene	<0 004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/09/00 5:11	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/09/00 5:11	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 5:11	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 5:11	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/09/00 5:11	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 5:11	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
trans-1,2-Dichloroethene	<0 004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/09/00 5:11	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by: _____
R.I. Analytical

Sample #: 022

NAVSTA-CS-VE4-01 GRAB 09/28/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
Trichlorofluoromethane	<0.004	0 004	mg/kg	5035/8260	10/09/00 5:11	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:11	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/09/00 5:11	JL
SURROGATES			RANGE	5035/8260	10/09/00 5:11	JL
Dibromofluoromethane	107		80-120%	5035/8260	10/09/00 5:11	JL
Toluene-d8	94		81-117%	5035/8260	10/09/00 5:11	JL
4-Bromofluorobenzene	96		74-121%	5035/8260	10/09/00 5:11	JL
1,2 Dichloroethane-d4	101		80-120%	5035/8260	10/09/00 5:11	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by: R.I. Analytical

Sample #: 023
SAMPLE DESCRIPTION: NAVSTA-CS-VE4-01 GRAB 09/28/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<30	30	mg/kg dry	EPA 418.1	10/05/00 15:06	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 024
SAMPLE DESCRIPTION: NAVSTA-CS-VE4-01 GRAB 09/28/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/05/00 23:12	NPV
C9-C24	42	4.0	mg/kg dry	SW846 8015B	10/05/00 23:12	NPV
C24-C36	50	20	mg/kg dry	SW846 8015B	10/05/00 23:12	NPV

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by: _____
R.I. Analytical

Sample #: 025
SAMPLE DESCRIPTION: NAVSTA-CS-VE4-01 GRAB 09/28/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	16400	1300	mg/kg dry	SW-846 6010	10/05/00 20:34	VIK
ANTIMONY	<2.6	2.6	mg/kg dry	SW-846 6010	10/05/00 19:38	VIK
ARSENIC	22.0	1.3	mg/kg dry	SW-846 6010	10/05/00 19:38	VIK
BARIUM	25.4	0.064	mg/kg dry	SW-846 6010	10/05/00 19:38	VIK
BERYLLIUM	0.465	0 013	mg/kg dry	SW-846 6010	10/05/00 19:38	VIK
CADMIUM	2.44	0.064	mg/kg dry	SW-846 6010	10/05/00 19:38	VIK
CHROMIUM	17.4	0.39	mg/kg dry	SW-846 6010	10/05/00 19:38	VIK
COBALT	12.5	0.39	mg/kg dry	SW-846 6010	10/05/00 19:38	VIK
COPPER	17.0	0.64	mg/kg dry	SW-846 6010	10/05/00 19:38	VIK
IRON	30220	640	mg/kg dry	SW-846 6010	10/05/00 20:34	VIK
LEAD	51.0	0.52	mg/kg dry	SW-846 6010	10/05/00 19:38	VIK
MAGNESIUM	3760	6.46	mg/kg dry	SW-846 6010	10/06/00 9:21	KSL
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/06/00 9:31	RJC
NICKEL	23.0	0.26	mg/kg dry	SW-846 6010	10/05/00 19:38	VIK
POTASSIUM	421	129	mg/kg dry	SW-846 6010	10/06/00 9:21	KSL
SELENIUM	<2.6	2.6	mg/kg dry	SW-846 6010	10/05/00 19:38	VIK
SILVER	<0.26	0.26	mg/kg dry	SW-846 6010	10/05/00 19:38	VIK
SODIUM	<39	39	mg/kg dry	SW-846 6010	10/06/00 9:55	KSL
THALLIUM	<1.3	1.3	mg/kg dry	SW-846 6010	10/05/00 19:38	VIK
VANADIUM	23.8	0.26	mg/kg dry	SW-846 6010	10/05/00 19:38	VIK
ZINC	64.5	0.26	mg/kg dry	SW-846 6010	10/05/00 19:38	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 026
SAMPLE DESCRIPTION: NAVSTA-CS-VE5-01 GRAB 09/28/00 @0930

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by: _____
R.I. Analytical

Sample #: 026

NAVSTA-CS-VE5-01 GRAB 09/28/00 @0930

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 11:22	JAH
SURROGATES			RANGE	SW-846 8270	10/06/00 11:22	JAH
Phenol-d5	34		24-113%	SW-846 8270	10/06/00 11:22	JAH
2-Fluorophenol	18		25-121%	SW-846 8270	10/06/00 11:22	JAH
2,4,6-Tribromophenol	108		19-122%	SW-846 8270	10/06/00 11:22	JAH
Nitrobenzene-d5	32		23-120%	SW-846 8270	10/06/00 11:22	JAH
2-Fluorobiphenyl	42		30-115%	SW-846 8270	10/06/00 11:22	JAH
P-Terphenyl-d14	55		18-137%	SW-846 8270	10/06/00 11:22	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by: _____
R.I. Analytical

Sample #: 027
SAMPLE DESCRIPTION: NAVSTA-CS-VE5-01 GRAB 09/28/00 @0930

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/09/00 5:57	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/09/00 5:57	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 5:57	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 5:57	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/09/00 5:57	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 5:57	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/09/00 5:57	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 027

NAVSTA-CS-VE5-01 GRAB 09/28/00 @0930

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5.57	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5:57	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/09/00 5.57	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/09/00 5:57	JL
SURROGATES			RANGE	5035/8260	10/09/00 5:57	JL
Dibromofluoromethane	106		80-120%	5035/8260	10/09/00 5:57	JL
Toluene-d8	99		81-117%	5035/8260	10/09/00 5:57	JL
4-Bromofluorobenzene	95		74-121%	5035/8260	10/09/00 5:57	JL
1,2 Dichloroethane-d4	105		80-120%	5035/8260	10/09/00 5:57	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 028
SAMPLE DESCRIPTION: NAVSTA-CS-VES-01 GRAB 09/28/00 @0930

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<29	29	mg/kg dry	EPA 418.1	10/05/00 15:06	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 029
SAMPLE DESCRIPTION: NAVSTA-CS-VE5-01 GRAB 09/28/00 @0930

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/05/00 23:12	NPV
C9-C24	40	4.0	mg/kg dry	SW846 8015B	10/05/00 23:12	NPV
C24-C36	47	20	mg/kg dry	SW846 8015B	10/05/00 23:12	NPV

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by: R.I. Analytical

Sample #: 030
SAMPLE DESCRIPTION: NAVSTA-CS-VE5-01 GRAB 09/28/00 @0930

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	21400	1200	mg/kg dry	SW-846 6010	10/05/00 20:41	VIK
ANTIMONY	<2.5	2.5	mg/kg dry	SW-846 6010	10/05/00 19:45	VIK
ARSENIC	19.9	1.2	mg/kg dry	SW-846 6010	10/05/00 19:45	VIK
BARIUM	16.4	0.062	mg/kg dry	SW-846 6010	10/05/00 19:45	VIK
BERYLLIUM	0.336	0.012	mg/kg dry	SW-846 6010	10/05/00 19:45	VIK
CADMIUM	3.02	0.062	mg/kg dry	SW-846 6010	10/05/00 19:45	VIK
CHROMIUM	19.9	0.37	mg/kg dry	SW-846 6010	10/05/00 19:45	VIK
COBALT	16.2	0.37	mg/kg dry	SW-846 6010	10/05/00 19:45	VIK
COPPER	17.5	0.62	mg/kg dry	SW-846 6010	10/05/00 19:45	VIK
IRON	50020	620	mg/kg dry	SW-846 6010	10/05/00 20:41	VIK
LEAD	59.1	0.50	mg/kg dry	SW-846 6010	10/05/00 19:45	VIK
MAGNESIUM	5140	6.20	mg/kg dry	SW-846 6010	10/06/00 9:28	KSL
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/06/00 9:31	RJC
NICKEL	29.5	0.25	mg/kg dry	SW-846 6010	10/05/00 19:45	VIK
POTASSIUM	305	124	mg/kg dry	SW-846 6010	10/06/00 9:28	KSL
SELENIUM	<2.5	2.5	mg/kg dry	SW-846 6010	10/05/00 19:45	VIK
SILVER	<0.25	0.25	mg/kg dry	SW-846 6010	10/05/00 19:45	VIK
SODIUM	37	37	mg/kg dry	SW-846 6010	10/06/00 10:01	KSL
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	10/05/00 19:45	VIK
VANADIUM	19.3	0.25	mg/kg dry	SW-846 6010	10/05/00 19:45	VIK
ZINC	74.8	0.25	mg/kg dry	SW-846 6010	10/05/00 19:45	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 031
SAMPLE DESCRIPTION: PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<25	25	mg/kg dry	EPA 418.1	10/06/00 15:53	SWM
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/05/00 23:12	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	10/05/00 23:12	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	10/05/00 23:12	NPV
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/09/00 1:22	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/09/00 1:22	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 1:22	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 1:22	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/09/00 1:22	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 1.22	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 031

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/09/00 1:22	JL
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/09/00 1:22	JL
SURROGATES			RANGE	5035/8260	10/09/00 1:22	JL
Dibromofluoromethane	105		80-120%	5035/8260	10/09/00 1:22	JL
Toluene-d8	96		81-117%	5035/8260	10/09/00 1:22	JL
4-Bromofluorobenzene	108		74-121%	5035/8260	10/09/00 1:22	JL
1,2 Dichloroethane-d4	120		80-120%	5035/8260	10/09/00 1:22	JL
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by: R.I. Analytical

Sample #: 031

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10 26	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 9/29/00
Work Order # 0009-11895

Approved by:
R.I. Analytical

Sample #: 031

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/06/00 10:26	JAH
SURROGATES			RANGE	SW-846 8270	10/06/00 10:26	JAH
Phenol-d5	46		24-113%	SW-846 8270	10/06/00 10:26	JAH
2-Fluorophenol	30		25-121%	SW-846 8270	10/06/00 10:26	JAH
2,4,6-Tribromophenol	129		19-122%	SW-846 8270	10/06/00 10:26	JAH
Nitrobenzene-d5	46		23-120%	SW-846 8270	10/06/00 10:26	JAH
2-Fluorobiphenyl	57		30-115%	SW-846 8270	10/06/00 10:26	JAH
P-Terphenyl-d14	67		18-137%	SW-846 8270	10/06/00 10:26	JAH
TOTAL METALS						
ALUMINUM	<1.2	1.2	mg/kg dry	SW-846 6010	10/05/00 18:16	VIK
ANTIMONY	<2.5	2.5	mg/kg dry	SW-846 6010	10/05/00 18:16	VIK
ARSENIC	<1.2	1.2	mg/kg dry	SW-846 6010	10/05/00 18:16	VIK
BARIUM	<0.062	0.062	mg/kg dry	SW-846 6010	10/05/00 18:16	VIK
BERYLLIUM	<0.012	0.012	mg/kg dry	SW-846 6010	10/05/00 18 16	VIK
CADMIUM	<0.062	0.062	mg/kg dry	SW-846 6010	10/05/00 18:16	VIK
CHROMIUM	<0.38	0.38	mg/kg dry	SW-846 6010	10/05/00 18:16	VIK
COBALT	<0.38	0.38	mg/kg dry	SW-846 6010	10/05/00 18:16	VIK
COPPER	<0.62	0.62	mg/kg dry	SW-846 6010	10/05/00 18:16	VIK
IRON	<0.62	0.62	mg/kg dry	SW-846 6010	10/05/00 18:16	VIK
LEAD	<0.50	0.50	mg/kg dry	SW-846 6010	10/05/00 18:16	VIK
MAGNESIUM	<0.5	0.5	mg/kg dry	SW-846 6010	10/06/00 9:03	KSL
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/06/00 9:31	RJC
NICKEL	<0.25	0.25	mg/kg dry	SW-846 6010	10/05/00 18:16	VIK
POTASSIUM	<10	10	mg/kg dry	SW-846 6010	10/06/00 9:03	KSL
SELENIUM	<2.5	2.5	mg/kg dry	SW-846 6010	10/05/00 18:16	VIK
SILVER	<0.25	0.25	mg/kg dry	SW-846 6010	10/05/00 18.16	VIK
SODIUM	<30	30	mg/kg dry	SW-846 6010	10/06/00 9:03	KSL
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	10/05/00 18:16	VIK
VANADIUM	<0.25	0.25	mg/kg dry	SW-846 6010	10/05/00 18:16	VIK
ZINC	<0.25	0.02	mg/kg dry	SW-846 6010	10/05/00 18.16	VIK

White Copy Original (Accompanies Samples) Yellow Copy – Collector Pink Copy – Customer's Copy

R.I. Analytical Laboratories, Inc.

41 Illinois Avenue
Warwick, RI 02888
Phone: (401) 737-8500
Fax: (401) 738-1970

950 Boylston Street, Unit 102
Newton Highlands, MA 02461
Phone: (617) 965-5133
Fax: (617) 965-5624

CHAIN OF CUSTODY RECORD

Page 1 of 1

Container Type Codes:		Preservative Codes:		Matrix Codes:	
P=Plastic	AG=Amber Glass	NP=Non preserved	S=Sulfuric	GW=Groundwater	S=Soil
G=Glass	St=Sterile	I=Cooled 4°C	H=HCL	WW=Wastewater	Sl=Sludge
V=Vial		N=Nitric	SH=NaOH	DW=Drinking water	A=Air
O=Other (describe)		M=Methanol	SB=NaHSO4	O=Other (describe)	B=Bulk/Solid

Date Collected	Time Collected	Sample ID	G=Grab C=Comp.	Containers # + (code)	Preservative (code)	Matrix (code)	Analysis Request
9/28/00	1445	NAVSTA-CS-VA10-01	G	2G 3V	I	S	8260/8270/TAL Metals/418.1/8015
↓	1405	-VA14-01	↓	↓	↓	↓	↓
↓	1235	-VE15-01					
9/28/00	1210	-VA15-01					
↓	0900	-VE4-01					
9/29/00	0930	NAVSTA-CS-VE5-01	G	2G 3V	I	S	8260/8270/TAL metals/418.1/8015

Client Information

Company Name: FWENC
Address: 195 Burma Rd
City / State / Zip: Portsmouth, RI
Phone: 683-5259 Fax: 683-5218
Contact: Holden

Project Information

Project Name / Location: Fuel line Closure
P O Number / Project Number: 0065
Project Manager / Report To: Holden
Sampled by: Holden/Lowe
Reference Proposal

Relinquished by:	Date	Time	Received by:	Date	Time
Holden	9/29/00	1100		9/29/00	1100
	9/29/00	1520	Allison Carpenter	9/29/00	1520

Turn Around Time:
- ☐ Normal
- ☒ 5 business days Surcharges may apply
- ☐ Rush _____ (business days)

Project Comments:
Low level VOCs
Det lim must meet RIDEM RDEC.

RIAL USE ONLY:
- ☒ Pick-Up Only
- ☐ RIAL Sampled
- ☒ Shipped on Ice

RIAL W.O. # 11895

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Foster Wheeler
Attn: Mr. Josh Holden
P.O. Box 4350
Middletown, RI 02842

Date Received: 10/03/00
Date Reported: 10/11/00
P.O. #: 020128
Work Order #: 0010-12032

DESCRIPTION: PROJECT# DO65 PIPELINE CLOSURE

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax. (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by: R.I. Analytical

Sample #: 001.
SAMPLE DESCRIPTION: NAVSTA-CS-V2-01 GRAB 10/02/00 @0645

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/11/00 4:12	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/11/00 4:12	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/11/00 4:12	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/11/00 4:12	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/11/00 4:12	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/11/00 4:12	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/11/00 4:12	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by:
R.I. Analytical

Sample #: 001

NAVSTA-CS-V2-01 GRAB 10/02/00 @0645

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:12	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/11/00 4:12	JL
SURROGATES			RANGE	5035/8260	10/11/00 4:12	JL
Dibromofluoromethane	106		80-120%	5035/8260	10/11/00 4:12	JL
Toluene-d8	101		81-117%	5035/8260	10/11/00 4:12	JL
4-Bromofluorobenzene	105		74-121%	5035/8260	10/11/00 4:12	JL
1,2 Dichloroethane-d4	108		80-120%	5035/8260	10/11/00 4:12	JL

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by: _____
R.I. Analytical

Sample #: 002
SAMPLE DESCRIPTION: NAVSTA-CS-V2-01 GRAB 10/02/00 @0645

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by:
R.I. Analytical

Sample #: 002

NAVSTA-CS-V2-01 GRAB 10/02/00 @0645

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 10:45	JAH
SURROGATES			RANGE	SW-846 8270	10/11/00 10:45	JAH
Phenol-d5	61		24-113%	SW-846 8270	10/11/00 10:45	JAH
2-Fluorophenol	72		25-121%	SW-846 8270	10/11/00 10:45	JAH
2,4,6-Tribromophenol	108		19-122%	SW-846 8270	10/11/00 10:45	JAH
Nitrobenzene-d5	70		23-120%	SW-846 8270	10/11/00 10:45	JAH
2-Fluorobiphenyl	64		30-115%	SW-846 8270	10/11/00 10:45	JAH
P-Terphenyl-d14	100		18-137%	SW-846 8270	10/11/00 10:45	JAH

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Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by:
R.I. Analytical

Sample #: 003
SAMPLE DESCRIPTION: NAVSTA-CS-V2-01 GRAB 10/02/00 @0645

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<27	27	mg/kg dry	EPA 418.1	10/10/00 20:14	SWM

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by:
R.I. Analytical

Sample #: 004
SAMPLE DESCRIPTION: NAVSTA-CS-V2-01 GRAB 10/02/00 @0645

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	< 12	12	mg/kg dry	SW846 8015B	10/11/00 12:53	CLB
C9-C24	47	4.0	mg/kg dry	SW846 8015B	10/11/00 12:53	CLB
C24-C36	37	20	mg/kg dry	SW846 8015B	10/11/00 12:53	CLB

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by:
R.I. Analytical

Sample #: 005.
SAMPLE DESCRIPTION: NAVSTA-CS-V2-01 GRAB 10/02/00 @0645

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	6490	1.1	mg/kg dry	SW-846 6010	10/11/00 14:40	RGM
ANTIMONY	<2.16	2.16	mg/kg dry	SW-846 6010	10/10/00 23:22	VIK
ARSENIC	9.7	1.1	mg/kg dry	SW-846 6010	10/10/00 23:22	VIK
BARIUM	9.95	0.054	mg/kg dry	SW-846 6010	10/10/00 23:22	VIK
BERYLLIUM	0.216	0.011	mg/kg dry	SW-846 6010	10/10/00 23:22	VIK
CADMIUM	1.18	0.054	mg/kg dry	SW-846 6010	10/10/00 23:22	VIK
CHROMIUM	7.87	0.32	mg/kg dry	SW-846 6010	10/10/00 23:22	VIK
COBALT	7.44	0.32	mg/kg dry	SW-846 6010	10/10/00 23:22	VIK
COPPER	12.4	0.54	mg/kg dry	SW-846 6010	10/10/00 23:22	VIK
IRON	19800	5.38	mg/kg dry	SW-846 6010	10/11/00 14:40	RGM
LEAD	11.1	0.43	mg/kg dry	SW-846 6010	10/10/00 23:22	VIK
MAGNESIUM	2530	5.38	mg/kg dry	SW-846 6010	10/10/00 15:15	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/10/00 8:54	RJC
NICKEL	12.7	0.22	mg/kg dry	SW-846 6010	10/10/00 23:22	VIK
POTASSIUM	296	108	mg/kg dry	SW-846 6010	10/10/00 15 15	VIK
SELENIUM	<2.16	2.16	mg/kg dry	SW-846 6010	10/10/00 23.22	VIK
SILVER	<0.22	0.22	mg/kg dry	SW-846 6010	10/10/00 23:22	VIK
SODIUM	<323	323	mg/kg dry	SW-846 6010	10/10/00 15:15	VIK
THALLIUM	<1.08	1.08	mg/kg dry	SW-846 6010	10/10/00 23.22	VIK
VANADIUM	8.84	0.22	mg/kg dry	SW-846 6010	10/10/00 23 22	VIK
ZINC	33.6	0.22	mg/kg dry	SW-846 6010	10/10/00 23:22	VIK

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by:
R.I. Analytical

Sample #: 006
SAMPLE DESCRIPTION: NAVSTA-CS-VE17-01 GRAB 10/03/00 @1105

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/11/00 4:57	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/11/00 4:57	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/11/00 4:57	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/11/00 4:57	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/11/00 4:57	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/11/00 4:57	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/11/00 4:57	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by:
R.I. Analytical

Sample #: 006

NAVSTA-CS-VE17-01 GRAB 10/03/00 @1105

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/11/00 4:57	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/11/00 4:57	JL
SURROGATES			RANGE	5035/8260	10/11/00 4:57	JL
Dibromofluoromethane	107		80-120%	5035/8260	10/11/00 4:57	JL
Toluene-d8	104		81-117%	5035/8260	10/11/00 4:57	JL
4-Bromofluorobenzene	106		74-121%	5035/8260	10/11/00 4:57	JL
1,2 Dichloroethane-d4	104		80-120%	5035/8260	10/11/00 4:57	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by:
R.I. Analytical

Sample #: 007
SAMPLE DESCRIPTION: NAVSTA-CS-VE17-01 GRAB 10/03/00 @1105

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Anthracene	0.5	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Benzo(a)anthracene	0.6	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Benzo(b)fluoranthene	0.5	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Benzo(k)fluoranthene	0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Benzo(a)pyrene	0.4	0.2	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Chrysene	0.7	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Fluoranthene	1.8	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by: R.I. Analytical

Sample #: 007.

NAVSTA-CS-VE17-01 GRAB 10/03/00 @1105

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Phenanthrene	1.3	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Pyrene	1.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 11:36	JAH
SURROGATES			RANGE	SW-846 8270	10/11/00 11:36	JAH
Phenol-d5	64		24-113%	SW-846 8270	10/11/00 11:36	JAH
2-Fluorophenol	80		25-121%	SW-846 8270	10/11/00 11:36	JAH
2,4,6-Tribromophenol	108		19-122%	SW-846 8270	10/11/00 11:36	JAH
Nitrobenzene-d5	76		23-120%	SW-846 8270	10/11/00 11:36	JAH
2-Fluorobiphenyl	71		30-115%	SW-846 8270	10/11/00 11:36	JAH
P-Terphenyl-d14	93		18-137%	SW-846 8270	10/11/00 11:36	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by:
R.I. Analytical

Sample #: 008
SAMPLE DESCRIPTION: NAVSTA-CS-VE17-01 GRAB 10/03/00 @1105

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<28	28	mg/kg dry	EPA 418.1	10/10/00 20:14	SWM

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by:
R.I. Analytical

Sample #: 009
SAMPLE DESCRIPTION: NAVSTA-CS-VE17-01 GRAB 10/03/00 @1105

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/11/00 12:53	CLB
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	10/11/00 12:53	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	10/11/00 12:53	CLB

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by: R.I. Analytical

Sample #: 010
SAMPLE DESCRIPTION: NAVSTA-CS-VE17-01 GRAB 10/03/00 @1105

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	8180	1.2	mg/kg dry	SW-846 6010	10/11/00 14:43	RGM
ANTIMONY	<2.3	2.3	mg/kg dry	SW-846 6010	10/10/00 23:26	VIK
ARSENIC	17.4	1.2	mg/kg dry	SW-846 6010	10/10/00 23:26	VIK
BARIUM	16.0	0.058	mg/kg dry	SW-846 6010	10/10/00 23:26	VIK
BERYLLIUM	0.32	0.012	mg/kg dry	SW-846 6010	10/10/00 23:26	VIK
CADMIUM	2.23	0.058	mg/kg dry	SW-846 6010	10/10/00 23:26	VIK
CHROMIUM	11.0	0.35	mg/kg dry	SW-846 6010	10/10/00 23:26	VIK
COBALT	15.5	0.35	mg/kg dry	SW-846 6010	10/10/00 23:26	VIK
COPPER	21.2	0.58	mg/kg dry	SW-846 6010	10/10/00 23:26	VIK
IRON	33800	0.58	mg/kg dry	SW-846 6010	10/11/00 14:43	RGM
LEAD	11.7	0.46	mg/kg dry	SW-846 6010	10/10/00 23:26	VIK
MAGNESIUM	2720	1	mg/kg dry	SW-846 6010	10/10/00 23:10	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/10/00 8:54	RJC
NICKEL	30.4	0.23	mg/kg dry	SW-846 6010	10/10/00 23:26	VIK
POTASSIUM	346	116	mg/kg dry	SW-846 6010	10/10/00 15:18	VIK
SELENIUM	<2.3	2.3	mg/kg dry	SW-846 6010	10/10/00 23:26	VIK
SILVER	<0.23	0.23	mg/kg dry	SW-846 6010	10/10/00 23:26	VIK
SODIUM	<348	348	mg/kg dry	SW-846 6010	10/10/00 15:18	VIK
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	10/10/00 23:26	VIK
VANADIUM	12.2	0.23	mg/kg dry	SW-846 6010	10/10/00 23:26	VIK
ZINC	54.2	0.23	mg/kg dry	SW-846 6010	10/10/00 23:26	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by:
R.I. Analytical

Sample #: 011
SAMPLE DESCRIPTION: NAVSTA-CS-VA17-01 GRAB 10/03/00 @1250

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/11/00 5:43	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/11/00 5:43	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/11/00 5.43	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/11/00 5:43	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 5 43	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/11/00 5:43	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/11/00 5.43	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/11/00 5:43	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/11/00 5:43	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by:
R.I. Analytical

Sample #: 011

NAVSTA-CS-VA17-01 GRAB 10/03/00 @1250

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/11/00 5:43	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/11/00 5:43	JL
SURROGATES			RANGE	5035/8260	10/11/00 5:43	JL
Dibromofluoromethane	104		80-120%	5035/8260	10/11/00 5:43	JL
Toluene-d8	104		81-117%	5035/8260	10/11/00 5:43	JL
4-Bromofluorobenzene	109		74-121%	5035/8260	10/11/00 5:43	JL
1,2 Dichloroethane-d4	98		80-120%	5035/8260	10/11/00 5:43	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by:
R.I. Analytical

Sample #: 012
SAMPLE DESCRIPTION: NAVSTA-CS-VA17-01 GRAB 10/03/00 @1250

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by: R.I. Analytical

Sample #: 012

NAVSTA-CS-VA17-01 GRAB 10/03/00 @1250

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 9:54	JAH
SURROGATES			RANGE	SW-846 8270	10/11/00 9:54	JAH
Phenol-d5	59		24-113%	SW-846 8270	10/11/00 9:54	JAH
2-Fluorophenol	72		25-121%	SW-846 8270	10/11/00 9:54	JAH
2,4,6-Tribromophenol	94		19-122%	SW-846 8270	10/11/00 9:54	JAH
Nitrobenzene-d5	70		23-120%	SW-846 8270	10/11/00 9:54	JAH
2-Fluorobiphenyl	65		30-115%	SW-846 8270	10/11/00 9:54	JAH
P-Terphenyl-d14	96		18-137%	SW-846 8270	10/11/00 9:54	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by: R.I. Analytical

Sample #: 013
SAMPLE DESCRIPTION: NAVSTA-CS-VA17-01 GRAB 10/03/00 @1250

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<28	28	mg/kg dry	EPA 418.1	10/10/00 20:14	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by:
R.I. Analytical

Sample #: 014.
SAMPLE DESCRIPTION: NAVSTA-CS-VA17-01 GRAB 10/03/00 @1250

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/11/00 13:35	CLB
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	10/11/00 13:35	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	10/11/00 13:35	CLB

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by: R.I. Analytical

Sample #: 015
SAMPLE DESCRIPTION: NAVSTA-CS-VA17-01 GRAB 10/03/00 @1250

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	9120	1.2	mg/kg dry	SW-846 6010	10/11/00 14:51	RGM
ANTIMONY	<2.3	2.3	mg/kg dry	SW-846 6010	10/10/00 23:33	VIK
ARSENIC	9.2	1.2	mg/kg dry	SW-846 6010	10/10/00 23:33	VIK
BARIUM	21.6	0.057	mg/kg dry	SW-846 6010	10/10/00 23:33	VIK
BERYLLIUM	0.36	0.011	mg/kg dry	SW-846 6010	10/10/00 23:33	VIK
CADMIUM	2.13	0.057	mg/kg dry	SW-846 6010	10/10/00 23:33	VIK
CHROMIUM	11.6	0.34	mg/kg dry	SW-846 6010	10/10/00 23:33	VIK
COBALT	12.6	0.34	mg/kg dry	SW-846 6010	10/10/00 23:33	VIK
COPPER	17 1	0.57	mg/kg dry	SW-846 6010	10/10/00 23:33	VIK
IRON	31800	0.57	mg/kg dry	SW-846 6010	10/11/00 14:51	RGM
LEAD	14.0	0.46	mg/kg dry	SW-846 6010	10/10/00 23:33	VIK
MAGNESIUM	2530	1	mg/kg dry	SW-846 6010	10/10/00 23:10	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/10/00 8:54	RJC
NICKEL	23.0	0.23	mg/kg dry	SW-846 6010	10/10/00 23:33	VIK
POTASSIUM	422	115	mg/kg dry	SW-846 6010	10/10/00 15.25	VIK
SELENIUM	<2.3	2.3	mg/kg dry	SW-846 6010	10/10/00 23:33	VIK
SILVER	<0.23	0.23	mg/kg dry	SW-846 6010	10/10/00 23:33	VIK
SODIUM	<344	344	mg/kg dry	SW-846 6010	10/10/00 15:25	VIK
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	10/10/00 23:33	VIK
VANADIUM	13.5	0.23	mg/kg dry	SW-846 6010	10/10/00 23:33	VIK
ZINC	45.8	0.23	mg/kg dry	SW-846 6010	10/10/00 23:33	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by:
R.I. Analytical

Sample #: 016
SAMPLE DESCRIPTION: PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<25	25	mg/kg dry	EPA 418.1	10/10/00 20:14	SWM
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/11/00 11:36	CLB
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	10/11/00 11:36	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	10/11/00 11:36	CLB
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/11/00 3:25	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/11/00 3:25	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/11/00 3:25	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/11/00 3:25	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/11/00 3:25	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/11/00 3:25	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by:
R.I. Analytical

Sample #: 016

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PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3 25	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/11/00 3:25	JL
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3.25	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/11/00 3:25	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/11/00 3:25	JL
SURROGATES			RANGE	5035/8260	10/11/00 3:25	JL
Dibromofluoromethane	104		80-120%	5035/8260	10/11/00 3:25	JL
Toluene-d8	99		81-117%	5035/8260	10/11/00 3:25	JL
4-Bromofluorobenzene	106		74-121%	5035/8260	10/11/00 3:25	JL
1,2 Dichloroethane-d4	119		80-120%	5035/8260	10/11/00 3.25	JL
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12.28	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by:
R.I. Analytical

Sample #: 016

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PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/03/00
Work Order # 0010-12032

Approved by:
R.I. Analytical

Sample #: 016

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/11/00 12:28	JAH
SURROGATES			RANGE	SW-846 8270	10/11/00 12:28	JAH
Phenol-d5	77		24-113%	SW-846 8270	10/11/00 12:28	JAH
2-Fluorophenol	100		25-121%	SW-846 8270	10/11/00 12:28	JAH
2,4,6-Tribromophenol	125		19-122%	SW-846 8270	10/11/00 12:28	JAH
Nitrobenzene-d5	91		23-120%	SW-846 8270	10/11/00 12:28	JAH
2-Fluorobiphenyl	87		30-115%	SW-846 8270	10/11/00 12:28	JAH
P-Terphenyl-d14	124		18-137%	SW-846 8270	10/11/00 12:28	JAH
TOTAL METALS						
ALUMINUM	<1.2	1.2	mg/kg dry	SW-846 6010	10/10/00 23:11	VIK
ANTIMONY	<2.5	2.5	mg/kg dry	SW-846 6010	10/10/00 23:11	VIK
ARSENIC	<1.2	1.2	mg/kg dry	SW-846 6010	10/10/00 23:11	VIK
BARIUM	<0.062	0.062	mg/kg dry	SW-846 6010	10/10/00 23:11	VIK
BERYLLIUM	<0.012	0.012	mg/kg dry	SW-846 6010	10/10/00 23:11	VIK
CADMIUM	<0.062	0.062	mg/kg dry	SW-846 6010	10/10/00 23:11	VIK
CHROMIUM	<0.38	0.38	mg/kg dry	SW-846 6010	10/10/00 23:11	VIK
COBALT	<0.38	0.38	mg/kg dry	SW-846 6010	10/10/00 23:11	VIK
COPPER	<0.62	0.62	mg/kg dry	SW-846 6010	10/10/00 23:11	VIK
IRON	<0.62	0.62	mg/kg dry	SW-846 6010	10/10/00 23:11	VIK
LEAD	<0.50	0.50	mg/kg dry	SW-846 6010	10/10/00 23:11	VIK
MAGNESIUM	<0.62	0.62	mg/kg dry	SW-846 6010	10/10/00 23:10	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/10/00 8:54	RJC
NICKEL	<0.25	0.25	mg/kg dry	SW-846 6010	10/10/00 23:11	VIK
POTASSIUM	<12.5	13	mg/kg dry	SW-846 6010	10/10/00 23:10	VIK
SELENIUM	<2.5	2.5	mg/kg dry	SW-846 6010	10/10/00 23:11	VIK
SILVER	<0.25	0.25	mg/kg dry	SW-846 6010	10/10/00 23:11	VIK
SODIUM	<38	38	mg/kg dry	SW-846 6010	10/10/00 23:10	VIK
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	10/10/00 23:11	VIK
VANADIUM	<0.25	0.25	mg/kg dry	SW-846 6010	10/10/00 23:11	VIK
ZINC	<0.25	0.25	mg/kg dry	SW-846 6010	10/10/00 23:11	VIK

White Copy Original (Accompanies Samples) Yellow Copy – Collector Pink Copy – Customer's Copy

R.I. Analytical Laboratories, Inc.

41 Illinois Avenue
Warwick, RI 02888
Phone: (401) 737-8500
Fax: (401) 738-1970

950 Boylston Street, Unit 102
Newton Highlands, MA 02461
Phone: (617) 965-5133
Fax: (617) 965-5624

CHAIN OF CUSTODY RECORD

Page ___ of ___

Container Type Codes:	Preservative Codes:		Matrix Codes:	
P=Plastic AG=Amber Glass	NP=Non preserved	S=Sulfuric	GW=Groundwater	S=Soil
G=Glass ST=Sterile	I=Cooled 4°C	H=HCL	WW=Wastewater	Sl=Sludge
V=Vial	N=Nitric	SH=NaOH	DW=Drinking water	A=Air
O=Other (describe)	M=Methanol	SB=NaHSO4	O=Other (describe)	B=Bulk/Solid

Date Collected	Time Collected	Sample ID	G=Grab C=Comp.	Containers # (code)	Preservative (code)	Matrix (code)	Analysis Request
10/2/00	0645	NAUSTA-CS-V2-01	G	3V 2G	3,M,SO I	S	8260/8270/TAL metals/418.1/8015
10/3/00	1105	-CS-VE17-01	↓	↓	↓	↓	↓ ↓ ↓ ↘ ↘
10/3/00	1250	NAUSTA-CS-VA17-01	G	3V 2G	I,M,SO I	S	8260/8270/TAL metals/418.1/8015

Client Information

Company Name: Fluor
Address: 195 Burma Rd
City / State / Zip: Portsmouth RI
Phone: 683 5259 Fax: 683-5218
Contact:

Project Information

Project Name / Location: Pipeline Closure
P.O. Number / Project Number: 0065
Project Manager / Report To: Hollow
Sampled by: Hollow / Fluor
Reference Proposal:

Relinquished by:	Date	Time	Received by:	Date	Time
Hollow	10/3	2:45		10/3/00	2:45

Turn Around Time:

- ☐ Normal
- ☒ 5 business days Surcharges may apply
- ☐ Rush _____ (business days)

Project Comments:
Low VOCs
Det Limits must meet RIDEM RDEC.

RIAL USE ONLY:
- ☐ Pick-Up Only
- ☐ RIAL Sampled
- ☐ Shipped on Ice

RIAL W.O. # 10032

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Foster Wheeler
Attn: Mr. Josh Holden
P.O. Box 4350
Middletown, RI 02842

Date Received: 10/05/00
Date Reported: 10/13/00
P.O. #: 020128
Work Order #: 0010-12172

DESCRIPTION: PROJECT# DO65 FUEL LINE CLOSURE

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President

Paul Pereira
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: NAVSTA-CS-VE19-01 GRAB 10/04/00 @1110

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<29	29	mg/kg dry	EPA 418.1	10/11/00 15:25	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 002
SAMPLE DESCRIPTION: NAVSTA-CS-VE19-01 GRAB 10/04/00 @1110

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/13/00 9:39	CLB
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	10/13/00 9:39	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	10/13/00 9:39	CLB

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 003-
SAMPLE DESCRIPTION: NAVSTA-CS-VE19-01 GRAB 10/04/00 @1110

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/13/00 10:46	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/13/00 10:46	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/13/00 10:46	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/13/00 10:46	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/13/00 10:46	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
1,3-Dichlorobenzene	<0 004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/13/00 10:46	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
Isopropylbenzene	<0.004	0 004	mg/kg	5035/8260	10/13/00 10:46	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/13/00 10:46	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 003

NAVSTA-CS-VE19-01 GRAB 10/04/00 @1110

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:46	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/13/00 10:46	JL
SURROGATES			RANGE	5035/8260	10/13/00 10:46	JL
Dibromofluoromethane	102		80-120%	5035/8260	10/13/00 10:46	JL
Toluene-d8	93		81-117%	5035/8260	10/13/00 10:46	JL
4-Bromofluorobenzene	114		74-121%	5035/8260	10/13/00 10:46	JL
1,2 Dichloroethane-d4	114		80-120%	5035/8260	10/13/00 10:46	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 004
SAMPLE DESCRIPTION: NAVSTA-CS-VE19-01 GRAB 10/04/00 @1110

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 004

NAVSTA-CS-VE19-01 GRAB 10/04/00 @1110

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 10:48	JAH
SURROGATES			RANGE	SW-846 8270	10/13/00 10:48	JAH
Phenol-d5	68		24-113%	SW-846 8270	10/13/00 10:48	JAH
2-Fluorophenol	69		25-121%	SW-846 8270	10/13/00 10:48	JAH
2,4,6-Tribromophenol	115		19-122%	SW-846 8270	10/13/00 10:48	JAH
Nitrobenzene-d5	54		23-120%	SW-846 8270	10/13/00 10:48	JAH
2-Fluorobiphenyl	60		30-115%	SW-846 8270	10/13/00 10:48	JAH
P-Terphenyl-d14	79		18-137%	SW-846 8270	10/13/00 10:48	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 005
SAMPLE DESCRIPTION: NAVSTA-CS-VE19-01 GRAB 10/04/00 @1110

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	13300	1.2	mg/kg dry	SW-846 6010	10/12/00 20:26	VIK
ANTIMONY	<2.4	2.4	mg/kg dry	SW-846 6010	10/12/00 20:15	VIK
ARSENIC	19.4	1.2	mg/kg dry	SW-846 6010	10/12/00 20:15	VIK
BARIUM	28.2	0.060	mg/kg dry	SW-846 6010	10/12/00 20:15	VIK
BERYLLIUM	0.51	0.012	mg/kg dry	SW-846 6010	10/12/00 20:15	VIK
CADMIUM	2.47	0.060	mg/kg dry	SW-846 6010	10/12/00 20:15	VIK
CHROMIUM	12.2	0.36	mg/kg dry	SW-846 6010	10/12/00 20:15	VIK
COBALT	9.33	0.36	mg/kg dry	SW-846 6010	10/12/00 20:15	VIK
COPPER	10.8	0.60	mg/kg dry	SW-846 6010	10/12/00 20:15	VIK
IRON	27180	0.60	mg/kg dry	SW-846 6010	10/12/00 21 08	VIK
LEAD	28.7	0.48	mg/kg dry	SW-846 6010	10/12/00 20:15	VIK
MAGNESIUM	2230	0.60	mg/kg dry	SW-846 6010	10/13/00 9:24	TD
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/10/00 8:54	RJC
NICKEL	16.2	0.24	mg/kg dry	SW-846 6010	10/12/00 20:15	VIK
POTASSIUM	335	12.1	mg/kg dry	SW-846 6010	10/13/00 9:24	TD
SELENIUM	<2.4	2.4	mg/kg dry	SW-846 6010	10/12/00 20:15	VIK
SILVER	<0.24	0.24	mg/kg dry	SW-846 6010	10/12/00 20:15	VIK
SODIUM	36	36	mg/kg dry	SW-846 6010	10/13/00 9:24	TD
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	10/12/00 20:15	VIK
VANADIUM	16.8	0.24	mg/kg dry	SW-846 6010	10/12/00 20:15	VIK
ZINC	48.8	0.24	mg/kg dry	SW-846 6010	10/12/00 20:15	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by: R.I. Analytical

Sample #: 006
SAMPLE DESCRIPTION: NAVSTA-CS-VA18-01 GRAB 10/04/00 @1000

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	490	30	mg/kg dry	EPA 418.1	10/11/00 15:25	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 007
SAMPLE DESCRIPTION: NAVSTA-CS-VA18-01 GRAB 10/04/00 @1000

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/13/00 9:39	CLB
C9-C24	370	4.0	mg/kg dry	SW846 8015B	10/13/00 9:39	CLB
C24-C36	950	20	mg/kg dry	SW846 8015B	10/13/00 9:39	CLB

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 008
SAMPLE DESCRIPTION: NAVSTA-CS-VA18-01 GRAB 10/04/00 @1000

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/13/00 11:32	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/13/00 11:32	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/13/00 11:32	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/13/00 11:32	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/13/00 11:32	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/13/00 11:32	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/13/00 11:32	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 008

NAVSTA-CS-VA18-01 GRAB 10/04/00 @1000

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/13/00 11 32	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/13/00 11:32	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/13/00 11:32	JL
SURROGATES			RANGE	5035/8260	10/13/00 11:32	JL
Dibromofluoromethane	109		80-120%	5035/8260	10/13/00 11:32	JL
Toluene-d8	92		81-117%	5035/8260	10/13/00 11.32	JL
4-Bromofluorobenzene	110		74-121%	5035/8260	10/13/00 11.32	JL
1,2 Dichloroethane-d4	99		80-120%	5035/8260	10/13/00 11:32	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 009
SAMPLE DESCRIPTION: NAVSTA-CS-VA18-01 GRAB 10/04/00 @1000

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 009

NAVSTA-CS-VA18-01 GRAB 10/04/00 @1000

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 11:43	JAH
SURROGATES			RANGE	SW-846 8270	10/13/00 11:43	JAH
Phenol-d5	74		24-113%	SW-846 8270	10/13/00 11:43	JAH
2-Fluorophenol	71		25-121%	SW-846 8270	10/13/00 11:43	JAH
2,4,6-Tribromophenol	133		19-122%	SW-846 8270	10/13/00 11:43	JAH
Nitrobenzene-d5	56		23-120%	SW-846 8270	10/13/00 11:43	JAH
2-Fluorobiphenyl	67		30-115%	SW-846 8270	10/13/00 11:43	JAH
P-Terphenyl-d14	85		18-137%	SW-846 8270	10/13/00 11:43	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 010
SAMPLE DESCRIPTION: NAVSTA-CS-VA18-01 GRAB 10/04/00 @1000

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	11500	1.2	mg/kg dry	SW-846 6010	10/12/00 20:41	VIK
ANTIMONY	<2.4	2.4	mg/kg dry	SW-846 6010	10/12/00 20:19	VIK
ARSENIC	18.2	1.2	mg/kg dry	SW-846 6010	10/12/00 20:19	VIK
BARIUM	17.4	0.060	mg/kg dry	SW-846 6010	10/12/00 20:19	VIK
BERYLLIUM	0.304	0.012	mg/kg dry	SW-846 6010	10/12/00 20:19	VIK
CADMIUM	3.10	0.060	mg/kg dry	SW-846 6010	10/12/00 20:19	VIK
CHROMIUM	11.6	0.36	mg/kg dry	SW-846 6010	10/12/00 20:19	VIK
COBALT	13.7	0.36	mg/kg dry	SW-846 6010	10/12/00 20:19	VIK
COPPER	20.2	0.60	mg/kg dry	SW-846 6010	10/12/00 20:19	VIK
IRON	29200	0.60	mg/kg dry	SW-846 6010	10/12/00 21:13	VIK
LEAD	13.4	0.48	mg/kg dry	SW-846 6010	10/12/00 20 19	VIK
MAGNESIUM	3080	0.60	mg/kg dry	SW-846 6010	10/13/00 9:31	TD
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/10/00 8:54	RJC
NICKEL	27.2	0.24	mg/kg dry	SW-846 6010	10/12/00 20:19	VIK
POTASSIUM	330	12.0	mg/kg dry	SW-846 6010	10/12/00 9:31	TD
SELENIUM	<2.4	2.4	mg/kg dry	SW-846 6010	10/12/00 20:19	VIK
SILVER	<0.24	0.24	mg/kg dry	SW-846 6010	10/12/00 20:19	VIK
SODIUM	<36	36	mg/kg dry	SW-846 6010	10/13/00 9:31	TD
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	10/12/00 20:19	VIK
VANADIUM	14.0	0.24	mg/kg dry	SW-846 6010	10/12/00 20:19	VIK
ZINC	62.3	0.24	mg/kg dry	SW-846 6010	10/12/00 20:19	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 011
SAMPLE DESCRIPTION: NAVSTA-CS-VE18-01 GRAB 10/04/00 @0925

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<29	29	mg/kg dry	EPA 418.1	10/11/00 15:25	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 012
SAMPLE DESCRIPTION: NAVSTA-CS-VE18-01 GRAB 10/04/00 @0925

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/13/00 10:21	CLB
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	10/13/00 10:21	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	10/13/00 10:21	CLB

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 013
SAMPLE DESCRIPTION: NAVSTA-CS-VE18-01 GRAB 10/04/00 @0925

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
Bromobenzene	<0 004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/13/00 12:18	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/13/00 12.18	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/13/00 12:18	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12.18	JL
tert-Butylbenzene	<0 004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/13/00 12:18	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
Chloromethane	<0.01	0 01	mg/kg	5035/8260	10/13/00 12:18	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/13/00 12:18	JL
1,2-Dibromoethane(EDB)	<0 004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/13/00 12:18	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12 18	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/13/00 12:18	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 013

NAVSTA-CS-VE18-01 GRAB 10/04/00 @0925

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 12.18	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12.18	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 12.18	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/13/00 12 18	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/13/00 12:18	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/13/00 12:18	JL
SURROGATES			RANGE	5035/8260	10/13/00 12:18	JL
Dibromofluoromethane	107		80-120%	5035/8260	10/13/00 12:18	JL
Toluene-d8	98		81-117%	5035/8260	10/13/00 12:18	JL
4-Bromofluorobenzene	96		74-121%	5035/8260	10/13/00 12:18	JL
1,2 Dichloroethane-d4	108		80-120%	5035/8260	10/13/00 12:18	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 014
SAMPLE DESCRIPTION: NAVSTA-CS-VE18-01 GRAB 10/04/00 @0925

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Bis(2-Chloroethoxy)methane	<0 4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 014

NAVSTA-CS-VE18-01 GRAB 10/04/00 @0925

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 9:53	JAH
SURROGATES			RANGE	SW-846 8270	10/13/00 9:53	JAH
Phenol-d5	74		24-113%	SW-846 8270	10/13/00 9:53	JAH
2-Fluorophenol	83		25-121%	SW-846 8270	10/13/00 9:53	JAH
2,4,6-Tribromophenol	87		19-122%	SW-846 8270	10/13/00 9:53	JAH
Nitrobenzene-d5	62		23-120%	SW-846 8270	10/13/00 9:53	JAH
2-Fluorobiphenyl	63		30-115%	SW-846 8270	10/13/00 9:53	JAH
P-Terphenyl-d14	83		18-137%	SW-846 8270	10/13/00 9:53	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 015
SAMPLE DESCRIPTION: NAVSTA-CS-VE18-01 GRAB 10/04/00 @0925

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	16090	1.2	mg/kg dry	SW-846 6010	10/12/00 20:48	VIK
ANTIMONY	<2.3	2.3	mg/kg dry	SW-846 6010	10/12/00 20:26	VIK
ARSENIC	11.6	1.2	mg/kg dry	SW-846 6010	10/12/00 20:26	VIK
BARIUM	24.8	0.058	mg/kg dry	SW-846 6010	10/12/00 20:26	VIK
BERYLLIUM	0.47	0.012	mg/kg dry	SW-846 6010	10/12/00 20:26	VIK
CADMIUM	2.31	0.058	mg/kg dry	SW-846 6010	10/12/00 20:26	VIK
CHROMIUM	10.4	0.35	mg/kg dry	SW-846 6010	10/12/00 20:26	VIK
COBALT	9.21	0.35	mg/kg dry	SW-846 6010	10/12/00 20:26	VIK
COPPER	14.0	0.58	mg/kg dry	SW-846 6010	10/12/00 20:26	VIK
IRON	18670	0.58	mg/kg dry	SW-846 6010	10/12/00 21:16	VIK
LEAD	16.6	0.46	mg/kg dry	SW-846 6010	10/12/00 20:26	VIK
MAGNESIUM	2280	0.58	mg/kg dry	SW-846 6010	10/13/00 9:44	TD
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/10/00 8.54	RJC
NICKEL	17.1	0.23	mg/kg dry	SW-846 6010	10/12/00 20:26	VIK
POTASSIUM	399	1.2	mg/kg dry	SW-846 6010	10/13/00 9.44	TD
SELENIUM	<2.3	2.3	mg/kg dry	SW-846 6010	10/12/00 20:26	VIK
SILVER	<0.23	0.23	mg/kg dry	SW-846 6010	10/12/00 20:26	VIK
SODIUM	47	35	mg/kg dry	SW-846 6010	10/13/00 9:44	TD
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	10/12/00 20:26	VIK
VANADIUM	14.3	0.23	mg/kg dry	SW-846 6010	10/12/00 20:26	VIK
ZINC	39.6	0.23	mg/kg dry	SW-846 6010	10/12/00 20:26	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 016
SAMPLE DESCRIPTION: PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/13/00 8:56	CLB
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	10/13/00 8:56	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	10/13/00 9:39	CLB
TPH IR	<25	25	mg/kg dry	EPA 418.1	10/11/00 15:25	SWM
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/13/00 10:01	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/13/00 10:01	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/13/00 10:01	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/13/00 10:01	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/13/00 10:01	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10 01	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/13/00 10:01	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10.01	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10 01	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 016

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/13/00 10:01	JL
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/13/00 10:01	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/13/00 10:01	JL
SURROGATES			RANGE	5035/8260	10/13/00 10:01	JL
Dibromofluoromethane	107		80-120%	5035/8260	10/13/00 10:01	JL
Toluene-d8	99		81-117%	5035/8260	10/13/00 10:01	JL
4-Bromofluorobenzene	106		74-121%	5035/8260	10/13/00 10:01	JL
1,2 Dichloroethane-d4	103		80-120%	5035/8260	10/13/00 10:01	JL
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 016

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12.38	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12.38	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/05/00
Work Order # 0010-12172

Approved by:
R.I. Analytical

Sample #: 016

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/13/00 12:38	JAH
SURROGATES			RANGE	SW-846 8270	10/13/00 12:38	JAH
Phenol-d5	96		24-113%	SW-846 8270	10/13/00 12:38	JAH
2-Fluorophenol	99		25-121%	SW-846 8270	10/13/00 12:38	JAH
2,4,6-Tribromophenol	91		19-122%	SW-846 8270	10/13/00 12:38	JAH
Nitrobenzene-d5	79		23-120%	SW-846 8270	10/13/00 12:38	JAH
2-Fluorobiphenyl	83		30-115%	SW-846 8270	10/13/00 12 38	JAH
P-Terphenyl-d14	89		18-137%	SW-846 8270	10/13/00 12:38	JAH
TOTAL METALS						
ALUMINUM	<1.2	1.2	mg/kg dry	SW-846 6010	10/12/00 20:08	VIK
ANTIMONY	<2.5	2.5	mg/kg dry	SW-846 6010	10/12/00 20:08	VIK
ARSENIC	<1.2	1.2	mg/kg dry	SW-846 6010	10/12/00 20:08	VIK
BARIUM	<0.062	0.062	mg/kg dry	SW-846 6010	10/12/00 20:08	VIK
BERYLLIUM	<0.012	0.012	mg/kg dry	SW-846 6010	10/12/00 20:08	VIK
CADMIUM	<0.062	0.062	mg/kg dry	SW-846 6010	10/12/00 20:08	VIK
CHROMIUM	<0.38	0.38	mg/kg dry	SW-846 6010	10/12/00 20:08	VIK
COBALT	<0.38	0.38	mg/kg dry	SW-846 6010	10/12/00 20:08	VIK
COPPER	<0.62	0.62	mg/kg dry	SW-846 6010	10/12/00 20:08	VIK
IRON	<0.62	0.62	mg/kg dry	SW-846 6010	10/12/00 20:08	VIK
LEAD	<0.50	0.50	mg/kg dry	SW-846 6010	10/12/00 20:08	VIK
MAGNESIUM	<0.62	0.62	mg/kg dry	SW-846 6010	10/13/00 9:18	TD
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/10/00 8:54	RJC
NICKEL	<0.25	0.25	mg/kg dry	SW-846 6010	10/12/00 20:08	VIK
POTASSIUM	<12.5	12.5	mg/kg dry	SW-846 6010	10/13/00 9:18	TD
SELENIUM	<2.5	2.5	mg/kg dry	SW-846 6010	10/12/00 20:08	VIK
SILVER	<0.25	0.25	mg/kg dry	SW-846 6010	10/12/00 20:08	VIK
SODIUM	<37.5	37.5	mg/kg dry	SW-846 6010	10/13/00 9:18	TD
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	10/12/00 20:08	VIK
VANADIUM	<0.25	0.25	mg/kg dry	SW-846 6010	10/12/00 20:08	VIK
ZINC	<0.25	0.25	mg/kg dry	SW-846 6010	10/12/00 20:08	VIK

White Copy Original (Accompanies Samples) Yellow Copy – Collector Pink Copy – Customer's Copy

R.I. Analytical Laboratories, Inc.

41 Illinois Avenue
Warwick, RI 02888
Phone: (401) 737-8500
Fax: (401) 738-1970

950 Boylston Street, Unit 102
Newton Highlands, MA 02461
Phone: (617) 965-5133
Fax: (617) 965-5624

CHAIN OF CUSTODY RECORD

Page 1 of 1

Container Type Codes:	Preservative Codes:	Matrix Codes:
P=Plastic AG=Amber Glass	NP=Non preserved S=Sulfuric	GW=Groundwater S=Soil
G=Glass St=Sterile	I=Cooled 4°C H=HCL	WW=Wastewater SI=Sludge
V=Vial	N=Nitric SH=NaOH	DW=Drinking water A=Air
O=Other (describe)	M=Methanol SB=NaHSO4	O=Other (describe) B=Bulk/Solid

Date Collected	Time Collected	Sample ID	G=Grab C=Comp.	Containers # + (code)	Preservative (code)	Matrix (code)	Analysis Request
10/4/00	1110	NAVSTA-CS-VE19-01	C	2G 3V	I I,M,SB	S	8270/8260/TAL metals/8015/418.1
↓	1000	↓ ↓ VA18-01	↓	↓	↓	↓	↓ ↓ ↓ ↓ ↓
10/4/00	0925	NAVSTA-CS - VE18-01	G	2G 3V	I I,M,SB	S	8270/8260/TAL metals/8015/418.1

Client Information

Company Name: FWENC
Address:
City / State / Zip:
Phone: Fax:
Contact:

Project Information

Project Name / Location: Fuel Line Closure
P.O. Number / Project Number: 0065
Project Manager / Report To: Holde
Sampled by: Lowe / Holde
Reference Proposal:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	10/5/00	1000	[signature]	10/5/00	1000
[signature]	10/5/00	1500	[signature]	10/5/00	1510

Turn Around Time:
- ☐ Normal
- ☒ 5 business days Surcharges may apply
- ☐ Rush _____ (business days)

Project Comments: MUST MEET RIDEM RDEC
Low level VOCs

RIAL USE ONLY:
- ☒ Pick-Up Only
- ☐ RIAL Sampled
- ☒ Shipped on Ice

RIAL W.O. # 12172

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Foster Wheeler
Attn: Mr. Josh Holden
P.O. Box 4350
Middletown, RI 02842

Date Received: 10/06/00
Date Reported: 10/16/00
P.O. #: 020128
Work Order #: 0010-12260

DESCRIPTION: PROJECT# DO65 PIPELINE CLOSURE

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by:
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: NAVSTA-CS-VCT51-01 GRAB 10/05/00 @1410

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<29	29	mg/kg dry	EPA 418.1	10/13/00 15:17	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by:
R.I. Analytical

Sample #: 002
SAMPLE DESCRIPTION: NAVSTA-CS-VCT51-01 GRAB 10/05/00 @1410

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/16/00 10:30	CLB
C9-C24	350	4.0	mg/kg dry	SW846 8015B	10/16/00 10:30	CLB
C24-C36	33	20	mg/kg dry	SW846 8015B	10/16/00 10:30	CLB

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by:
R.I. Analytical

Sample #: 003
SAMPLE DESCRIPTION: NAVSTA-CS-VCT51-01 GRAB 10/05/00 @1410

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/10/00 6:29	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/10/00 6:29	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/10/00 6:29	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/10/00 6:29	JL
2-Chlorotoluene	<0 004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/10/00 6:29	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/10/00 6:29	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/10/00 6:29	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by:
R.I. Analytical

Sample #: 003.

NAVSTA-CS-VCT51-01 GRAB 10/05/00 @1410

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
1,2,4-Trimethylbenzene	0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/10/00 6:29	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/10/00 6:29	JL
SURROGATES			RANGE	5035/8260	10/10/00 6:29	JL
Dibromofluoromethane	101		80-120%	5035/8260	10/10/00 6:29	JL
Toluene-d8	99		81-117%	5035/8260	10/10/00 6:29	JL
4-Bromofluorobenzene	112		74-121%	5035/8260	10/10/00 6:29	JL
1,2 Dichloroethane-d4	118		80-120%	5035/8260	10/10/00 6:29	JL

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by:
R.I. Analytical

Sample #: 004
SAMPLE DESCRIPTION: NAVSTA-CS-VCT51-01 GRAB 10/05/00 @1410

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by:
R.I. Analytical

Sample #: 004

NAVSTA-CS-VCTS1-01 GRAB 10/05/00 @1410

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 10:56	JAH
SURROGATES			RANGE	SW-846 8270	10/16/00 10:56	JAH
Phenol-d5	67		24-113%	SW-846 8270	10/16/00 10:56	JAH
2-Fluorophenol	35		25-121%	SW-846 8270	10/16/00 10:56	JAH
2,4,6-Tribromophenol	51		19-122%	SW-846 8270	10/16/00 10:56	JAH
Nitrobenzene-d5	74		23-120%	SW-846 8270	10/16/00 10:56	JAH
2-Fluorobiphenyl	74		30-115%	SW-846 8270	10/16/00 10:56	JAH
P-Terphenyl-d14	99		18-137%	SW-846 8270	10/16/00 10:56	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by:
R.I. Analytical

Sample #: 005
SAMPLE DESCRIPTION: NAVSTA-CS-VCT51-01 GRAB 10/05/00 @1410

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	11190	1.1	mg/kg dry	SW-846 6010	10/13/00 19:29	VIK
ANTIMONY	<2.3	2.3	mg/kg dry	SW-846 6010	10/13/00 19:29	VIK
ARSENIC	34.5	1.1	mg/kg dry	SW-846 6010	10/13/00 19:29	VIK
BARIUM	21.2	0.057	mg/kg dry	SW-846 6010	10/13/00 19:29	VIK
BERYLLIUM	0.391	0.011	mg/kg dry	SW-846 6010	10/13/00 19:29	VIK
CADMIUM	3.27	0.057	mg/kg dry	SW-846 6010	10/13/00 19:29	VIK
CHROMIUM	11.4	0.34	mg/kg dry	SW-846 6010	10/13/00 19:29	VIK
COBALT	12.4	0.34	mg/kg dry	SW-846 6010	10/13/00 19:29	VIK
COPPER	14.2	0.57	mg/kg dry	SW-846 6010	10/13/00 19:29	VIK
IRON	38440	0.57	mg/kg dry	SW-846 6010	10/13/00 21.51	VIK
LEAD	22.1	0.46	mg/kg dry	SW-846 6010	10/13/00 19:29	VIK
MAGNESIUM	2990	5.75	mg/kg dry	SW-846 6010	10/16/00 13:30	TD
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/16/00 9:52	RJC
NICKEL	24.5	0.23	mg/kg dry	SW-846 6010	10/13/00 19:29	VIK
POTASSIUM	370	11.5	mg/kg dry	SW-846 6010	10/16/00 13:30	TD
SELENIUM	<2.3	2.3	mg/kg dry	SW-846 6010	10/13/00 19:29	VIK
SILVER	<0.23	0.23	mg/kg dry	SW-846 6010	10/13/00 19:29	VIK
SODIUM	100	34	mg/kg dry	SW-846 6010	10/16/00 13:30	TD
THALLIUM	<1.1	1.1	mg/kg dry	SW-846 6010	10/13/00 19:29	VIK
VANADIUM	10.6	0.23	mg/kg dry	SW-846 6010	10/13/00 19:29	VIK
ZINC	49.8	0.23	mg/kg dry	SW-846 6010	10/13/00 19:29	VIK

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Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by:
R.I. Analytical

Sample #: 006
SAMPLE DESCRIPTION: NAVSTA-CS-VCT51-02 GRAB 10/05/00 @1555

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<28	28	mg/kg dry	EPA 418.1	10/13/00 15:17	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by:
R.I. Analytical

Sample #: 007
SAMPLE DESCRIPTION: NAVSTA-CS-VCT51-02 GRAB 10/05/00 @1555

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/16/00 10:30	CLB
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	10/16/00 10:30	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	10/16/00 10:30	CLB

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by:
R.I. Analytical

Sample #: 008
SAMPLE DESCRIPTION: NAVSTA-CS-VCT51-02 GRAB 10/05/00 @1555

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/09/00 7:28	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/09/00 7:28	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 7:28	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 7:28	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/09/00 7:28	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 7:28	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/09/00 7:28	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by:
R.I. Analytical

Sample #: 008

NAVSTA-CS-VCT51-02 GRAB 10/05/00 @1555

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
1,2,4-Trimethylbenzene	0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/09/00 7:28	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/09/00 7:28	JL
SURROGATES			RANGE	5035/8260	10/09/00 7:28	JL
Dibromofluoromethane	107		80-120%	5035/8260	10/09/00 7:28	JL
Toluene-d8	96		81-117%	5035/8260	10/09/00 7:28	JL
4-Bromofluorobenzene	97		74-121%	5035/8260	10/09/00 7:28	JL
1,2 Dichloroethane-d4	104		80-120%	5035/8260	10/09/00 7:28	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by:
R.I. Analytical

Sample #: 009
SAMPLE DESCRIPTION: NAVSTA-CS-VCT51-02 GRAB 10/05/00 @1555

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by: _____
R.I. Analytical

Sample #: 009

NAVSTA-CS-VCT51-02 GRAB 10/05/00 @1555

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13 19	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 13:19	JAH
SURROGATES			RANGE	SW-846 8270	10/16/00 13:19	JAH
Phenol-d5	68		24-113%	SW-846 8270	10/16/00 13:19	JAH
2-Fluorophenol	66		25-121%	SW-846 8270	10/16/00 13:19	JAH
2,4,6-Tribromophenol	57		19-122%	SW-846 8270	10/16/00 13:19	JAH
Nitrobenzene-d5	78		23-120%	SW-846 8270	10/16/00 13:19	JAH
2-Fluorobiphenyl	80		30-115%	SW-846 8270	10/16/00 13:19	JAH
P-Terphenyl-d14	109		18-137%	SW-846 8270	10/16/00 13:19	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by: R.I. Analytical

Sample #: 010
SAMPLE DESCRIPTION: NAVSTA-CS-VCT51-02 GRAB 10/05/00 @1555

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	9560	1.1	mg/kg dry	SW-846 6010	10/13/00 19:37	VIK
ANTIMONY	<2.2	2.2	mg/kg dry	SW-846 6010	10/13/00 19:37	VIK
ARSENIC	51.3	1.1	mg/kg dry	SW-846 6010	10/13/00 19:37	VIK
BARIUM	12.1	0.054	mg/kg dry	SW-846 6010	10/13/00 19:37	VIK
BERYLLIUM	0.294	0.011	mg/kg dry	SW-846 6010	10/13/00 19:37	VIK
CADMIUM	3.69	0.054	mg/kg dry	SW-846 6010	10/13/00 19:37	VIK
CHROMIUM	9.82	0.33	mg/kg dry	SW-846 6010	10/13/00 19:37	VIK
COBALT	15.9	0.33	mg/kg dry	SW-846 6010	10/13/00 19:37	VIK
COPPER	16.8	0.54	mg/kg dry	SW-846 6010	10/13/00 19:37	VIK
IRON	38820	0.54	mg/kg dry	SW-846 6010	10/13/00 21:59	VIK
LEAD	8.29	0.44	mg/kg dry	SW-846 6010	10/13/00 19:37	VIK
MAGNESIUM	2570	5.46	mg/kg dry	SW-846 6010	10/16/00 13:47	TD
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/16/00 9:52	RJC
NICKEL	26.5	0.22	mg/kg dry	SW-846 6010	10/13/00 19:37	VIK
POTASSIUM	230	11.0	mg/kg dry	SW-846 6010	10/16/00 13:47	TD
SELENIUM	<2.2	2.2	mg/kg dry	SW-846 6010	10/13/00 19:37	VIK
SILVER	<0.22	0.22	mg/kg dry	SW-846 6010	10/13/00 19:37	VIK
SODIUM	<33	33	mg/kg dry	SW-846 6010	10/16/00 13:47	TD
THALLIUM	<1.1	1.1	mg/kg dry	SW-846 6010	10/13/00 19:37	VIK
VANADIUM	10.7	0.22	mg/kg dry	SW-846 6010	10/13/00 19:37	VIK
ZINC	89.4	0.22	mg/kg dry	SW-846 6010	10/13/00 19:37	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by:
R.I. Analytical

Sample #: 011
SAMPLE DESCRIPTION: NAVSTA-CS-VCT51-03 GRAB 10/05/00 @1610

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<28	28	mg/kg dry	EPA 418.1	10/13/00 15:17	SWM

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by:
R.I. Analytical

Sample #: 012
SAMPLE DESCRIPTION: NAVSTA-CS-VCT51-03 GRAB 10/05/00 @1610

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/16/00 11:13	CLB
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	10/16/00 11:13	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	10/16/00 11:13	CLB

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by:
R.I. Analytical

Sample #: 013
SAMPLE DESCRIPTION: NAVSTA-CS-VCT51-03 GRAB 10/05/00 @1610

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/09/00 8:14	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/09/00 8:14	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 8:14	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 8:14	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/09/00 8:14	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 8:14	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/09/00 8:14	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by:
R.I. Analytical

Sample #: 013

NAVSTA-CS-VCT51-03 GRAB 10/05/00 @1610

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/09/00 8:14	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/09/00 8:14	JL
SURROGATES			RANGE	5035/8260	10/09/00 8:14	JL
Dibromofluoromethane	105		80-120%	5035/8260	10/09/00 8:14	JL
Toluene-d8	100		81-117%	5035/8260	10/09/00 8:14	JL
4-Bromofluorobenzene	94		74-121%	5035/8260	10/09/00 8:14	JL
1,2 Dichloroethane-d4	104		80-120%	5035/8260	10/09/00 8:14	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by:
R.I. Analytical

Sample #: 014
SAMPLE DESCRIPTION: NAVSTA-CS-VCT51-03 GRAB 10/05/00 @1610

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by: _____
R.I. Analytical

Sample #: 014

NAVSTA-CS-VCT51-03 GRAB 10/05/00 @1610

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 12:08	JAH
SURROGATES			RANGE	SW-846 8270	10/16/00 12:08	JAH
Phenol-d5	71		24-113%	SW-846 8270	10/16/00 12:08	JAH
2-Fluorophenol	73		25-121%	SW-846 8270	10/16/00 12:08	JAH
2,4,6-Tribromophenol	82		19-122%	SW-846 8270	10/16/00 12:08	JAH
Nitrobenzene-d5	76		23-120%	SW-846 8270	10/16/00 12:08	JAH
2-Fluorobiphenyl	79		30-115%	SW-846 8270	10/16/00 12:08	JAH
P-Terphenyl-d14	111		18-137%	SW-846 8270	10/16/00 12:08	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by:
R.I. Analytical

Sample #: 015
SAMPLE DESCRIPTION: NAVSTA-CS-VCT51-03 GRAB 10/05/00 @1610

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	13040	1.2	mg/kg dry	SW-846 6010	10/13/00 19:40	VIK
ANTIMONY	<2.3	2.3	mg/kg dry	SW-846 6010	10/13/00 19:40	VIK
ARSENIC	26.8	1.2	mg/kg dry	SW-846 6010	10/13/00 19:40	VIK
BARIUM	12.7	0.058	mg/kg dry	SW-846 6010	10/13/00 19:40	VIK
BERYLLIUM	0.286	0.012	mg/kg dry	SW-846 6010	10/13/00 19:40	VIK
CADMIUM	3.14	0.058	mg/kg dry	SW-846 6010	10/13/00 19:40	VIK
CHROMIUM	9.09	0.35	mg/kg dry	SW-846 6010	10/13/00 19:40	VIK
COBALT	12.8	0.35	mg/kg dry	SW-846 6010	10/13/00 19:40	VIK
COPPER	14.4	0.58	mg/kg dry	SW-846 6010	10/13/00 19:40	VIK
IRON	34260	0.58	mg/kg dry	SW-846 6010	10/13/00 22:02	VIK
LEAD	7.34	0.46	mg/kg dry	SW-846 6010	10/13/00 19:40	VIK
MAGNESIUM	1860	0.58	mg/kg dry	SW-846 6010	10/16/00 13:57	TD
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/16/00 9:52	RJC
NICKEL	22.7	0.22	mg/kg dry	SW-846 6010	10/13/00 19:40	VIK
POTASSIUM	260	12	mg/kg dry	SW-846 6010	10/16/00 13:57	TD
SELENIUM	<2.3	2.3	mg/kg dry	SW-846 6010	10/13/00 19:40	VIK
SILVER	<0.23	0.23	mg/kg dry	SW-846 6010	10/13/00 19:40	VIK
SODIUM	<35	35	mg/kg dry	SW-846 6010	10/16/00 13:57	TD
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	10/13/00 19:40	VIK
VANADIUM	10.6	0.23	mg/kg dry	SW-846 6010	10/13/00 19:40	VIK
ZINC	39.9	0.23	mg/kg dry	SW-846 6010	10/13/00 19:40	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by: _____
R.I. Analytical

Sample #: 016
SAMPLE DESCRIPTION: PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<25	25	mg/kg dry	EPA 418.1	10/13/00 15:17	SWM
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/16/00 9:48	CLB
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	10/16/00 9:48	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	10/16/00 9:48	CLB
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/09/00 1:22	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/09/00 1:22	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 1:22	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 1:22	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/09/00 1:22	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/09/00 1:22	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by:
R.I. Analytical

Sample #: 016

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PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/09/00 1:22	JL
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/09/00 1:22	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/09/00 1:22	JL
SURROGATES			RANGE	5035/8260	10/09/00 1:22	JL
Dibromofluoromethane	105		80-120%	5035/8260	10/09/00 1:22	JL
Toluene-d8	96		81-117%	5035/8260	10/09/00 1:22	JL
4-Bromofluorobenzene	109		74-121%	5035/8260	10/09/00 1:22	JL
1,2 Dichloroethane-d4	120		80-120%	5035/8260	10/09/00 1:22	JL
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by:
R.I. Analytical

Sample #: 016

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PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/06/00
Work Order # 0010-12260

Approved by:
R.I. Analytical

Sample #: 016

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/16/00 14:28	JAH
SURROGATES			RANGE	SW-846 8270	10/16/00 14:28	JAH
Phenol-d5	75		24-113%	SW-846 8270	10/16/00 14:28	JAH
2-Fluorophenol	71		25-121%	SW-846 8270	10/16/00 14:28	JAH
2,4,6-Tribromophenol	76		19-122%	SW-846 8270	10/16/00 14:28	JAH
Nitrobenzene-d5	88		23-120%	SW-846 8270	10/16/00 14:28	JAH
2-Fluorobiphenyl	84		30-115%	SW-846 8270	10/16/00 14:28	JAH
P-Terphenyl-d14	112		18-137%	SW-846 8270	10/16/00 14:28	JAH
TOTAL METALS						
ALUMINUM	<1.2	1.2	mg/kg dry	SW-846 6010	10/13/00 19:48	VIK
ANTIMONY	<2.5	2.5	mg/kg dry	SW-846 6010	10/13/00 19:48	VIK
ARSENIC	<1.2	1.2	mg/kg dry	SW-846 6010	10/13/00 19:48	VIK
BARIUM	<0.062	0.062	mg/kg dry	SW-846 6010	10/13/00 19:48	VIK
BERYLLIUM	<0.012	0.012	mg/kg dry	SW-846 6010	10/13/00 19:48	VIK
CADMIUM	<0.062	0.062	mg/kg dry	SW-846 6010	10/13/00 19:48	VIK
CHROMIUM	<0.38	0.38	mg/kg dry	SW-846 6010	10/13/00 19:48	VIK
COBALT	<0.38	0.38	mg/kg dry	SW-846 6010	10/13/00 19:48	VIK
COPPER	<0.62	0.62	mg/kg dry	SW-846 6010	10/13/00 19:48	VIK
IRON	<0.62	0.62	mg/kg dry	SW-846 6010	10/13/00 19:48	VIK
LEAD	<0.50	0.50	mg/kg dry	SW-846 6010	10/13/00 19:48	VIK
MAGNESIUM	<0.62	0.62	mg/kg dry	SW-846 6010	10/16/00 13:23	TD
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/16/00 9:52	RJC
NICKEL	<0.25	0.25	mg/kg dry	SW-846 6010	10/13/00 19:48	VIK
POTASSIUM	<12.0	12.0	mg/kg dry	SW-846 6010	10/16/00 13:23	TD
SELENIUM	<2.5	2.5	mg/kg dry	SW-846 6010	10/13/00 19:48	VIK
SILVER	<0.25	0.25	mg/kg dry	SW-846 6010	10/13/00 19:48	VIK
SODIUM	<38	38	mg/kg dry	SW-846 6010	10/16/00 13:23	TD
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	10/13/00 19:48	VIK
VANADIUM	<0.25	0.25	mg/kg dry	SW-846 6010	10/13/00 19:48	VIK
ZINC	<0.25	0.25	mg/kg dry	SW-846 6010	10/13/00 19:48	VIK

White Copy Original (Accompanies Samples) Yellow Copy – Collector Pink Copy – Customer's Copy

R.I. Analytical Laboratories, Inc.

41 Illinois Avenue
Warwick, RI 02888
Phone: (401) 737-8500
Fax: (401) 738-1970

950 Boylston Street, Unit 102
Newton Highlands, MA 02461
Phone: (617) 965-5133
Fax: (617) 965-5624

CHAIN OF CUSTODY RECORD

Page 1 of 1

Container Type Codes:	Preservative Codes:		Matrix Codes:	
P=Plastic AG=Amber Glass	NP=Non preserved	S=Sulfuric	GW=Groundwater	S=Soil
G=Glass St=Sterile	I=Cooled 4°C	H=HCL	WW=Wastewater	Sl=Sludge
V=Vial	N=Nitric	SH=NaOH	DW=Drinking water	A=Air
O=Other (describe)	M=Methanol	SB=NaHSO4	O=Other (describe)	B=Bulk/Solid

Date Collected	Time Collected	Sample ID	G=Grab C=Comp.	Containers # + (code)	Preservative (code)	Matrix (code)	Analysis Request
10-5-00	1410	NAVSTA-CS-VCT51-01	G	3V 2O	I I,M,SB	S	8260/8270/TAL metals/418.1/8015
↓	1555	↓ ↓ ↓ -02	↓	↓	↓	↓	↓ ↓ ↓ ↓ ↓
10-5-00	1610	NAVSTA-CS-VCT51 -03	G	3V 2O	I,M,SB	S	8260/8270/TAL metals/418.1/8015

Client Information

Company Name: FWENC
Address:
City / State / Zip:
Phone: 683 5255 Fax: 683-5218
Contact: J. Wilder

Project Information

Project Name / Location: Pipeline clean
PO Number / Project Number: 0065
Project Manager / Report To: Wilder
Sampled by: Jim
Reference Proposal:

Relinquished by:	Date	Time	Received by:	Date	Time
John Wilder	10/6/00	1320	Bruce Carpenter	10/6/00	1320
Bruce Carpenter	10/6/00	1445	Rhan Carpenter	10/6/00	1610

Turn Around Time:

- ☐ Normal
- ☒ 5 business days Surcharges may apply
- ☐ Rush _____ (business days)

Project Comments:
Low Level VOCs
Det Limits must Met RIDEM RDEC

RIAL USE ONLY.
- ☒ Pick-Up Only
- ☐ RIAL Sampled
- ☒ Shipped on Ice

RIAL W.O. # 12260

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Foster Wheeler
Attn: Mr. Josh Holden
P.O. Box 4350
Middletown, RI 02842

Date Received: 10/12/00
Date Reported: 10/19/00
P.O. #: 020128
Work Order #: 0010-12505

DESCRIPTION: FUEL LINE CLOSURE

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Michy
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: _____
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: NAVSTA-CS-VCT53-01 GRAB 10/11/00 @1155 *

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/18/00 2:03	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/18/00 2:03	JL
n-Butylbenzene	0.035	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
sec-Butylbenzene	0.043	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 2:03	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 2:03	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/18/00 2:03	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 2:03	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2.03	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2 03	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2.03	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
Ethylbenzene	0.013	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
Isopropylbenzene	0.018	0.004	mg/kg	5035/8260	10/18/00 2.03	JL
p-Isopropyltoluene	0.036	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/18/00 2:03	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 001

NAVSTA-CS-VCT53-01 GRAB 10/11/00 @1155 *

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
n-Propylbenzene	0.037	0.004	mg/kg	5035/8260	10/18/00 2.03	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
1,2,3-Trichloropropane	<0.004	0 004	mg/kg	5035/8260	10/18/00 2:03	JL
1,2,4-Trimethylbenzene	0.135	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
1,3,5-Trimethylbenzene	0.023	0.004	mg/kg	5035/8260	10/18/00 2.03	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
o-Xylene	0.007	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
m&p-Xylene	0.012	0.004	mg/kg	5035/8260	10/18/00 2:03	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/18/00 2:03	JL
SURROGATES			RANGE	5035/8260	10/18/00 2:03	JL
Dibromofluoromethane	93		80-120%	5035/8260	10/18/00 2.03	JL
Toluene-d8	103		81-117%	5035/8260	10/18/00 2:03	JL
4-Bromofluorobenzene	100		74-121%	5035/8260	10/18/00 2:03	JL
1,2 Dichloroethane-d4	97		80-120%	5035/8260	10/18/00 2:03	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 002
SAMPLE DESCRIPTION: NAVSTA-CS-VCT53-01 GRAB 10/11/00 @1155 *

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21.04	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 3270	10/18/00 21:04	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21.04	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 3270	10/18/00 21.04	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21.04	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21.04	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21.04	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Fluorene	0.8	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21.04	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21.04	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21.04	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: R.I. Analytical

Sample #: 002

NAVSTA-CS-VCT53-01 GRAB 10/11/00 @1155 *

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Phenanthrene	1.2	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21 04	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 21:04	JAH
SURROGATES			RANGE	SW-846 8270	10/18/00 21:04	JAH
Phenol-d5	67		24-113%	SW-846 8270	10/18/00 21:04	JAH
2-Fluorophenol	79		25-121%	SW-846 8270	10/18/00 21:04	JAH
2,4,6-Tribromophenol	103		19-122%	SW-846 8270	10/18/00 21:04	JAH
Nitrobenzene-d5	75		23-120%	SW-846 8270	10/18/00 21:04	JAH
2-Fluorobiphenyl	89		30-115%	SW-846 8270	10/18/00 21:04	JAH
P-Terphenyl-d14	88		18-137%	SW-846 8270	10/18/00 21:04	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: _____
R.I. Analytical

Sample #: 003
SAMPLE DESCRIPTION: NAVSTA-CS-VCTS3-01 GRAB 10/11/00 @1155 *

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	< 12	12	mg/kg dry	SW846 8015B	10/19/00 6:35	NPV
C9-C24	11000	4.0	mg/kg dry	SW846 8015B	10/19/00 6:35	NPV
C24-C36	2700	20	mg/kg dry	SW846 8015B	10/19/00 6:35	NPV

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 004
SAMPLE DESCRIPTION: NAVSTA-CS-VCT53-01 GRAB 10/11/00 @1155 *

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	2400	28	mg/kg dry	EPA 418.1	10/17/00 15:37	SWM

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Foster Wheeler
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Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 005
SAMPLE DESCRIPTION: NAVSTA-CS-VCT53-01 GRAB 10/11/00 @1155

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	9740	460	mg/kg dry	SW-846 6010	10/18/00 19:09	VIK
ANTIMONY	<2.3	2.3	mg/kg dry	SW-846 6010	10/18/00 18:07	VIK
ARSENIC	21.8	1.1	mg/kg dry	SW-846 6010	10/18/00 18:07	VIK
BARIUM	13.7	0.058	mg/kg dry	SW-846 6010	10/18/00 18:07	VIK
BERYLLIUM	0.287	0.011	mg/kg dry	SW-846 6010	10/18/00 18:07	VIK
CADMIUM	1.46	0.058	mg/kg dry	SW-846 6010	10/18/00 18:07	VIK
CHROMIUM	13.6	0.34	mg/kg dry	SW-846 6010	10/18/00 18.07	VIK
COBALT	10.0	0.34	mg/kg dry	SW-846 6010	10/18/00 18:07	VIK
COPPER	11.5	0.58	mg/kg dry	SW-846 6010	10/18/00 18:07	VIK
IRON	24400	232	mg/kg dry	SW-846 6010	10/18/00 19:09	VIK
LEAD	15.8	0.46	mg/kg dry	SW-846 6010	10/18/00 18:07	VIK
MAGNESIUM	2480	57.5	mg/kg dry	SW-846 6010	10/19/00 10:30	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/19/00 13:18	RJC
NICKEL	20.0	0.23	mg/kg dry	SW-846 6010	10/18/00 18:07	VIK
POTASSIUM	363	11 0	mg/kg dry	SW-846 6010	10/19/00 11.04	VIK
SELENIUM	<2.3	2.3	mg/kg dry	SW-846 6010	10/18/00 18:07	VIK
SILVER	<0.23	0.23	mg/kg dry	SW-846 6010	10/18/00 18.07	VIK
SODIUM	<34	34	mg/kg dry	SW-846 6010	10/18/00 18:32	VIK
THALLIUM	<1.1	1.1	mg/kg dry	SW-846 6010	10/18/00 18:07	VIK
VANADIUM	10.6	0.23	mg/kg dry	SW-846 6010	10/18/00 18:07	VIK
ZINC	54.0	0.23	mg/kg dry	SW-846 6010	10/18/00 18:07	VIK

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Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 006
SAMPLE DESCRIPTION: NAVSTA-CS-VCT52-02 GRAB 10/11/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/18/00 2:49	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/18/00 2:49	JL
n-Butylbenzene	0.006	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 2:49	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 2:49	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/18/00 2:49	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 2:49	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/18/00 2 49	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 006

NAVSTA-CS-VCT52-02 GRAB 10/11/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
1,1,1-Trichloroethane	<0 004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2.49	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
1,2,4-Trimethylbenzene	0.011	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
o-Xylene	<0 004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/18/00 2:49	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/18/00 2:49	JL
SURROGATES			RANGE	5035/8260	10/18/00 2:49	JL
Dibromofluoromethane	101		80-120%	5035/8260	10/18/00 2:49	JL
Toluene-d8	103		81-117%	5035/8260	10/18/00 2:49	JL
4-Bromofluorobenzene	103		74-121%	5035/8260	10/18/00 2:49	JL
1,2 Dichloroethane-d4	96		80-120%	5035/8260	10/18/00 2:49	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: R.I. Analytical

Sample #: 007.
SAMPLE DESCRIPTION: NAVSTA-CS-VCTS2-02 GRAB 10/11/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Dibenzo(a,h)anthracene	<0 4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18 13	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 007

NAVSTA-CS-VCT52-02 GRAB 10/11/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 18:13	JAH
SURROGATES			RANGE	SW-846 8270	10/18/00 18:13	JAH
Phenol-d5	64		24-113%	SW-846 8270	10/18/00 18:13	JAH
2-Fluorophenol	75		25-121%	SW-846 8270	10/18/00 18:13	JAH
2,4,6-Tribromophenol	97		19-122%	SW-846 8270	10/18/00 18:13	JAH
Nitrobenzene-d5	66		23-120%	SW-846 8270	10/18/00 18:13	JAH
2-Fluorobiphenyl	72		30-115%	SW-846 8270	10/18/00 18:13	JAH
P-Terphenyl-d14	109		18-137%	SW-846 8270	10/18/00 18:13	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 008
SAMPLE DESCRIPTION: NAVSTA-CS-VCT52-02 GRAB 10/11/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/19/00 8:00	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	10/19/00 8:00	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	10/19/00 8:00	NPV

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: R.I. Analytical

Sample #: 009
SAMPLE DESCRIPTION: NAVSTA-CS-VCT52-02 GRAB 10/11/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<26	26	mg/kg dry	EPA 418.1	10/17/00 15:37	SWM

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 010
SAMPLE DESCRIPTION: NAVSTA-CS-VCT52-02 GRAB 10/11/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	9460	400	mg/kg dry	SW-846 6010	10/18/00 19:13	VIK
ANTIMONY	<2.1	2.1	mg/kg dry	SW-846 6010	10/18/00 18:25	VIK
ARSENIC	38.5	1.0	mg/kg dry	SW-846 6010	10/18/00 18:25	VIK
BARIUM	8.72	0.052	mg/kg dry	SW-846 6010	10/18/00 18:25	VIK
BERYLLIUM	0.354	0.010	mg/kg dry	SW-846 6010	10/18/00 18:25	VIK
CADMIUM	2.10	0.052	mg/kg dry	SW-846 6010	10/18/00 18:25	VIK
CHROMIUM	10.4	0.31	mg/kg dry	SW-846 6010	10/18/00 18:25	VIK
COBALT	15.4	0.31	mg/kg dry	SW-846 6010	10/18/00 18:25	VIK
COPPER	15.4	0.52	mg/kg dry	SW-846 6010	10/18/00 18:25	VIK
IRON	33740	208	mg/kg dry	SW-846 6010	10/18/00 19:13	VIK
LEAD	10.5	0.42	mg/kg dry	SW-846 6010	10/18/00 18:25	VIK
MAGNESIUM	2890	52.0	mg/kg dry	SW-846 6010	10/19/00 10:33	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/19/00 13:18	RJC
NICKEL	28.3	0.21	mg/kg dry	SW-846 6010	10/18/00 18:25	VIK
POTASSIUM	183	10.4	mg/kg dry	SW-846 6010	10/19/00 11:07	VIK
SELENIUM	<2.1	2.1	mg/kg dry	SW-846 6010	10/18/00 18:25	VIK
SILVER	<0.21	0.21	mg/kg dry	SW-846 6010	10/18/00 18:25	VIK
SODIUM	<31	31	mg/kg dry	SW-846 6010	10/19/00 11:07	VIK
THALLIUM	<1.0	1.0	mg/kg dry	SW-846 6010	10/18/00 18:25	VIK
VANADIUM	10.9	0.21	mg/kg dry	SW-846 6010	10/18/00 18:25	VIK
ZINC	51.3	0.21	mg/kg dry	SW-846 6010	10/18/00 18:25	VIK

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Foster Wheeler
Date Received: 10/12/00
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R.I. Analytical

Sample #: 011
SAMPLE DESCRIPTION: NAVSTA-CS-VV1-01 GRAB 10/11/00 @1245 *

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/18/00 3:34	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/18/00 3:34	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 3:34	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 3:34	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/18/00 3:34	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 3:34	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
Hexachlorobutadiene	<0 004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/18/00 3:34	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: _____
R.I. Analytical

Sample #: 011.

NAVSTA-CS-VV1-01 GRAB 10/11/00 @1245 *

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
o-Xylene	0.016	0.004	mg/kg	5035/8260	10/18/00 3:34	JL
m&p-Xylene	0.032	0.004	mg/kg	5035/8260	10/18/00 3.34	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/18/00 3:34	JL
SURROGATES			RANGE	5035/8260	10/18/00 3:34	JL
Dibromofluoromethane	102		80-120%	5035/8260	10/18/00 3:34	JL
Toluene-d8	105		81-117%	5035/8260	10/18/00 3:34	JL
4-Bromofluorobenzene	102		74-121%	5035/8260	10/18/00 3:34	JL
1,2 Dichloroethane-d4	103		80-120%	5035/8260	10/18/00 3:34	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 012.
SAMPLE DESCRIPTION: NAVSTA-CS-VV1-01 GRAB 10/11/00 @1245 *

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	12	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Anthracene	72	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Benzo(a)anthracene	51	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Benzo(b)fluoranthene	22	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Benzo(k)fluoranthene	35	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Benzo(g,h,i)perylene	2.9	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Benzo(a)pyrene	29	0.2	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Chrysene	47	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Dibenzo(a,h)anthracene	0.9	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Fluoranthene	150	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Fluorene	16	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Indeno(1,2,3-cd)pyrene	3.5	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Naphthalene	2.2	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: _____
R.I. Analytical

Sample #: 012

NAVSTA-CS-VV1-01 GRAB 10/11/00 @1245 *

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Phenanthrene	160	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Pyrene	110	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:02	JAH
SURROGATES			RANGE	SW-846 8270	10/18/00 22:02	JAH
Phenol-d5	61		24-113%	SW-846 8270	10/18/00 22:02	JAH
2-Fluorophenol	65		25-121%	SW-846 8270	10/18/00 22:02	JAH
2,4,6-Tribromophenol	117		19-122%	SW-846 8270	10/18/00 22:02	JAH
Nitrobenzene-d5	60		23-120%	SW-846 8270	10/18/00 22:02	JAH
2-Fluorobiphenyl	75		30-115%	SW-846 8270	10/18/00 22:02	JAH
P-Terphenyl-d14	110		18-137%	SW-846 8270	10/18/00 22:02	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: _____
R.I. Analytical

Sample #: 013
SAMPLE DESCRIPTION: NAVSTA-CS-VV1-01 GRAB 10/11/00 @1245 *

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/19/00 8:42	NPV
C9-C24	1700	4.0	mg/kg dry	SW846 8015B	10/19/00 8:42	NPV
C24-C36	2600	20	mg/kg dry	SW846 8015B	10/19/00 8:42	NPV

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Foster Wheeler
Date Received: 10/12/00
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Approved by: _____
R.I. Analytical

Sample #: 014.
SAMPLE DESCRIPTION: NAVSTA-CS-VV1-01 GRAB 10/11/00 @1245 *

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	54	27	mg/kg dry	EPA 418.1	10/17/00 15:37	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: _____
R.I. Analytical

Sample #: 015.
SAMPLE DESCRIPTION: NAVSTA-CS-VV1-01 GRAB 10/11/00 @1245 *

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	7700	440	mg/kg dry	SW-846 6010	10/18/00 19:16	VIK
ANTIMONY	<2.2	2.2	mg/kg dry	SW-846 6010	10/18/00 18:28	VIK
ARSENIC	16.2	1.1	mg/kg dry	SW-846 6010	10/18/00 18:28	VIK
BARIUM	13.1	0.054	mg/kg dry	SW-846 6010	10/18/00 18:28	VIK
BERYLLIUM	0.270	0.011	mg/kg dry	SW-846 6010	10/18/00 18:28	VIK
CADMIUM	1.18	0.054	mg/kg dry	SW-846 6010	10/18/00 18:28	VIK
CHROMIUM	7.46	0.32	mg/kg dry	SW-846 6010	10/18/00 18:28	VIK
COBALT	9.52	0.32	mg/kg dry	SW-846 6010	10/18/00 18:28	VIK
COPPER	8.11	0.54	mg/kg dry	SW-846 6010	10/18/00 18:28	VIK
IRON	20340	216	mg/kg dry	SW-846 6010	10/18/00 19:16	VIK
LEAD	12.0	0.44	mg/kg dry	SW-846 6010	10/18/00 18:28	VIK
MAGNESIUM	1960	54.1	mg/kg dry	SW-846 6010	10/19/00 10:36	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/19/00 13:18	RJC
NICKEL	16.0	0.22	mg/kg dry	SW-846 6010	10/18/00 18:28	VIK
POTASSIUM	230	10.8	mg/kg dry	SW-846 6010	10/19/00 11:11	VIK
SELENIUM	<2.2	2.2	mg/kg dry	SW-846 6010	10/18/00 18:28	VIK
SILVER	<0.22	0.22	mg/kg dry	SW-846 6010	10/18/00 18:28	VIK
SODIUM	<32	32	mg/kg dry	SW-846 6010	10/19/00 11:11	VIK
THALLIUM	<1.1	1.1	mg/kg dry	SW-846 6010	10/18/00 18:28	VIK
VANADIUM	10.0	0.22	mg/kg dry	SW-846 6010	10/18/00 18:28	VIK
ZINC	33.6	0.22	mg/kg dry	SW-846 6010	10/18/00 18:28	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
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Approved by:
R.I. Analytical

Sample #: 016-
SAMPLE DESCRIPTION: NAVSTA-CS-VA19-01 GRAB 10/11/00 @0735

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/18/00 4:20	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/18/00 4:20	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 4:20	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 4:20	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/18/00 4:20	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
1,4-Dichlorobenzene	<0 004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 4:20	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/18/00 4:20	JL

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: R.I. Analytical

Sample #: 016.

NAVSTA-CS-VA19-01 GRAB 10/11/00 @0735

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/18/00 4:20	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/18/00 4:20	JL
SURROGATES			RANGE	5035/8260	10/18/00 4:20	JL
Dibromofluoromethane	103		80-120%	5035/8260	10/18/00 4:20	JL
Toluene-d8	109		81-117%	5035/8260	10/18/00 4:20	JL
4-Bromofluorobenzene	92		74-121%	5035/8260	10/18/00 4:20	JL
1,2 Dichloroethane-d4	103		80-120%	5035/8260	10/18/00 4:20	JL

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 017
SAMPLE DESCRIPTION: NAVSTA-CS-VA19-01 GRAB 10/11/00 @0735

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: _____
R.I. Analytical

Sample #: 017.

NAVSTA-CS-VA19-01 GRAB 10/11/00 @0735

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16 21	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 16:21	JAH
SURROGATES			RANGE	SW-846 8270	10/18/00 16:21	JAH
Phenol-d5	63		24-113%	SW-846 8270	10/18/00 16:21	JAH
2-Fluorophenol	74		25-121%	SW-846 8270	10/18/00 16:21	JAH
2,4,6-Tribromophenol	88		19-122%	SW-846 8270	10/18/00 16:21	JAH
Nitrobenzene-d5	66		23-120%	SW-846 8270	10/18/00 16:21	JAH
2-Fluorobiphenyl	72		30-115%	SW-846 8270	10/18/00 16:21	JAH
P-Terphenyl-d14	105		18-137%	SW-846 8270	10/18/00 16.21	JAH

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Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 018.
SAMPLE DESCRIPTION: NAVSTA-CS-VA19-01 GRAB 10/11/00 @0735

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/19/00 9:25	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	10/19/00 9:25	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	10/19/00 9:25	NPV

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Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 019.
SAMPLE DESCRIPTION: NAVSTA-CS-VA19-01 GRAB 10/11/00 @0735

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<28	28	mg/kg dry	EPA 418.1	10/17/00 15:37	SWM

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Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 020
SAMPLE DESCRIPTION: NAVSTA-CS-VA19-01 GRAB 10/11/00 @0735

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	9850	440	mg/kg dry	SW-846 6010	10/18/00 19:20	VIK
ANTIMONY	<2.2	2.2	mg/kg dry	SW-846 6010	10/18/00 18:32	VIK
ARSENIC	32.3	1.1	mg/kg dry	SW-846 6010	10/18/00 18:32	VIK
BARIUM	15.8	0.056	mg/kg dry	SW-846 6010	10/18/00 18:32	VIK
BERYLLIUM	0.301	0.011	mg/kg dry	SW-846 6010	10/18/00 18:32	VIK
CADMIUM	2.06	0.056	mg/kg dry	SW-846 6010	10/18/00 18:32	VIK
CHROMIUM	9.69	0.33	mg/kg dry	SW-846 6010	10/18/00 18:32	VIK
COBALT	13.2	0.33	mg/kg dry	SW-846 6010	10/18/00 18:32	VIK
COPPER	13.2	0.56	mg/kg dry	SW-846 6010	10/18/00 18:32	VIK
IRON	34090	224	mg/kg dry	SW-846 6010	10/18/00 19:20	VIK
LEAD	11.5	0.44	mg/kg dry	SW-846 6010	10/18/00 18:32	VIK
MAGNESIUM	2970	55.7	mg/kg dry	SW-846 6010	10/19/00 10:40	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/19/00 13:18	RJC
NICKEL	25.3	0.22	mg/kg dry	SW-846 6010	10/18/00 18:32	VIK
POTASSIUM	277	11.1	mg/kg dry	SW-846 6010	10/19/00 11:14	VIK
SELENIUM	<2.2	2.2	mg/kg dry	SW-846 6010	10/18/00 18:32	VIK
SILVER	<0.22	0.22	mg/kg dry	SW-846 6010	10/18/00 18:32	VIK
SODIUM	<33	33	mg/kg dry	SW-846 6010	10/19/00 11:14	VIK
THALLIUM	<1.1	1.1	mg/kg dry	SW-846 6010	10/18/00 18:32	VIK
VANADIUM	11.2	0.22	mg/kg dry	SW-846 6010	10/18/00 18:32	VIK
ZINC	62.3	0.22	mg/kg dry	SW-846 6010	10/18/00 18:32	VIK

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: _____
R.I. Analytical

Sample #: 021
SAMPLE DESCRIPTION: NAVSTA-CS-VCT52-01 GRAB 10/11/00 @0825

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/18/00 5:06	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/18/00 5:06	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 5:06	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 5:06	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/18/00 5:06	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
1,4-Dichlorobenzene	<0 004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
Dichlorodifluoromethane	<0 01	0.01	mg/kg	5035/8260	10/18/00 5:06	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/18/00 5 06	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 021.

NAVSTA-CS-VCT52-01 GRAB 10/11/00 @0825

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5.06	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5.06	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:06	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/18/00 5.06	JL
SURROGATES			RANGE	5035/8260	10/18/00 5:06	JL
Dibromofluoromethane	101		80-120%	5035/8260	10/18/00 5:06	JL
Toluene-d8	103		81-117%	5035/8260	10/18/00 5:06	JL
4-Bromofluorobenzene	96		74-121%	5035/8260	10/18/00 5.06	JL
1,2 Dichloroethane-d4	120		80-120%	5035/8260	10/18/00 5.06	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: _____
R.I. Analytical

Sample #: 022.
SAMPLE DESCRIPTION: NAVSTA-CS-VCT52-01 GRAB 10/11/00 @0825

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: _____
R.I. Analytical

Sample #: 022.

NAVSTA-CS-VCTS2-01 GRAB 10/11/00 @0825

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 17:18	JAH
SURROGATES			RANGE	SW-846 8270	10/18/00 17:18	JAH
Phenol-d5	60		24-113%	SW-846 8270	10/18/00 17:18	JAH
2-Fluorophenol	69		25-121%	SW-846 8270	10/18/00 17:18	JAH
2,4,6-Tribromophenol	64		19-122%	SW-846 8270	10/18/00 17:18	JAH
Nitrobenzene-d5	64		23-120%	SW-846 8270	10/18/00 17:18	JAH
2-Fluorobiphenyl	71		30-115%	SW-846 8270	10/18/00 17:18	JAH
P-Terphenyl-d14	104		18-137%	SW-846 8270	10/18/00 17 18	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 023.
SAMPLE DESCRIPTION: NAVSTA-CS-VCT52-01 GRAB 10/11/00 @0825

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/19/00 10:07	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	10/19/00 10:07	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	10/19/00 10:07	NPV

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: R.I. Analytical

Sample #: 024.
SAMPLE DESCRIPTION: NAVSTA-CS-VCT52-01 GRAB 10/11/00 @0825

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	38	32	mg/kg dry	EPA 418.1	10/17/00 15:37	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: _____
R.I. Analytical

Sample #: 025
SAMPLE DESCRIPTION: NAVSTA-CS-VCT52-01 GRAB 10/11/00 @0835

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	10940	480	mg/kg dry	SW-846 6010	10/18/00 19:24	VIK
ANTIMONY	<2.4	2.4	mg/kg dry	SW-846 6010	10/18/00 18:36	VIK
ARSENIC	37.3	1.2	mg/kg dry	SW-846 6010	10/18/00 18:36	VIK
BARIUM	13.0	0.060	mg/kg dry	SW-846 6010	10/18/00 18:36	VIK
BERYLLIUM	0.312	0.012	mg/kg dry	SW-846 6010	10/18/00 18:36	VIK
CADMIUM	1.80	0.060	mg/kg dry	SW-846 6010	10/18/00 18:36	VIK
CHROMIUM	9.86	0.36	mg/kg dry	SW-846 6010	10/18/00 18:36	VIK
COBALT	14.7	0.36	mg/kg dry	SW-846 6010	10/18/00 18:36	VIK
COPPER	13.7	0.60	mg/kg dry	SW-846 6010	10/18/00 18:36	VIK
IRON	32210	240	mg/kg dry	SW-846 6010	10/18/00 19:24	VIK
LEAD	12.5	0.48	mg/kg dry	SW-846 6010	10/18/00 18:36	VIK
MAGNESIUM	2210	60.1	mg/kg dry	SW-846 6010	10/19/00 10:43	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/19/00 13:18	RJC
NICKEL	25 5	0.24	mg/kg dry	SW-846 6010	10/18/00 18:36	VIK
POTASSIUM	305	12.0	mg/kg dry	SW-846 6010	10/19/00 11 17	VIK
SELENIUM	<2.4	2.4	mg/kg dry	SW-846 6010	10/18/00 18:36	VIK
SILVER	<0.24	0.24	mg/kg dry	SW-846 6010	10/18/00 18:36	VIK
SODIUM	<36	36	mg/kg dry	SW-846 6010	10/19/00 11:17	VIK
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	10/18/00 18:36	VIK
VANADIUM	11.5	0.24	mg/kg dry	SW-846 6010	10/18/00 18:36	VIK
ZINC	46.5	0.24	mg/kg dry	SW-846 6010	10/18/00 18:36	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 026
SAMPLE DESCRIPTION: NAVSTA-CS-VCT56-02 GRAB 10/11/00 @0950

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/18/00 5:52	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/18/00 5:52	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 5:52	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 5:52	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/18/00 5:52	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
1,4-Dichlorobenzene	<0.004	0 004	mg/kg	5035/8260	10/18/00 5:52	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 5:52	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/18/00 5:52	JL

R.L Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 026

NAVSTA-CS-VCT56-02 GRAB 10/11/00 @0950

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5.52	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/18/00 5:52	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/18/00 5:52	JL
SURROGATES			RANGE	5035/8260	10/18/00 5:52	JL
Dibromofluoromethane	101		80-120%	5035/8260	10/18/00 5:52	JL
Toluene-d8	102		81-117%	5035/8260	10/18/00 5:52	JL
4-Bromofluorobenzene	98		74-121%	5035/8260	10/18/00 5:52	JL
1,2 Dichloroethane-d4	98		80-120%	5035/8260	10/18/00 5.52	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 027-
SAMPLE DESCRIPTION: NAVSTA-CS-VCT56-02 GRAB 10/11/00 @0950

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: _____
R.I. Analytical

Sample #: 027

NAVSTA-CS-VCT56-02 GRAB 10/11/00 @0950

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
4-Nitrophenol	<0 4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 20:07	JAH
SURROGATES			RANGE	SW-846 8270	10/18/00 20:07	JAH
Phenol-d5	59		24-113%	SW-846 8270	10/18/00 20:07	JAH
2-Fluorophenol	67		25-121%	SW-846 8270	10/18/00 20:07	JAH
2,4,6-Tribromophenol	89		19-122%	SW-846 8270	10/18/00 20 07	JAH
Nitrobenzene-d5	58		23-120%	SW-846 8270	10/18/00 20:07	JAH
2-Fluorobiphenyl	70		30-115%	SW-846 8270	10/18/00 20:07	JAH
P-Terphenyl-d14	104		18-137%	SW-846 8270	10/18/00 20:07	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: _____
R.I. Analytical

Sample #: 028
SAMPLE DESCRIPTION: NAVSTA-CS-VCT56-02 GRAB 10/11/00 @0950

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/19/00 10:49	NPV
C9-C24	1100	4.0	mg/kg dry	SW846 8015B	10/19/00 10:49	NPV
C24-C36	110	20	mg/kg dry	SW846 8015B	10/19/00 10:49	NPV

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: R.I. Analytical

Sample #: 029.
SAMPLE DESCRIPTION: NAVSTA-CS-VCT56-02 GRAB 10/11/00 @0950

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	440	29	mg/kg dry	EPA 418.1	10/17/00 15:37	SWM

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Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: _____
R.I. Analytical

Sample #: 030
SAMPLE DESCRIPTION: NAVSTA-CS-VCT56-02 GRAB 10/11/00 @0950

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	8020	440	mg/kg dry	SW-846 6010	10/18/00 19:28	VIK
ANTIMONY	<2.2	2.2	mg/kg dry	SW-846 6010	10/18/00 18:40	VIK
ARSENIC	25.9	1.1	mg/kg dry	SW-846 6010	10/18/00 18:40	VIK
BARIUM	11.6	0.056	mg/kg dry	SW-846 6010	10/18/00 18:40	VIK
BERYLLIUM	0.281	0.011	mg/kg dry	SW-846 6010	10/18/00 18:40	VIK
CADMIUM	1.90	0.056	mg/kg dry	SW-846 6010	10/18/00 18:40	VIK
CHROMIUM	9.12	0.34	mg/kg dry	SW-846 6010	10/18/00 18:40	VIK
COBALT	14.9	0.34	mg/kg dry	SW-846 6010	10/18/00 18:40	VIK
COPPER	17.6	0.56	mg/kg dry	SW-846 6010	10/18/00 18:40	VIK
IRON	32070	224	mg/kg dry	SW-846 6010	10/18/00 19:27	VIK
LEAD	8.78	0.44	mg/kg dry	SW-846 6010	10/18/00 18:40	VIK
MAGNESIUM	2860	56.3	mg/kg dry	SW-846 6010	10/19/00 10:46	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/19/00 13:18	RJC
NICKEL	25.1	0.22	mg/kg dry	SW-846 6010	10/18/00 18:40	VIK
POTASSIUM	290	11.3	mg/kg dry	SW-846 6010	10/19/00 11:20	VIK
SELENIUM	<2.2	2.2	mg/kg dry	SW-846 6010	10/18/00 18:40	VIK
SILVER	<0.22	0.22	mg/kg dry	SW-846 6010	10/18/00 18:40	VIK
SODIUM	<34	34	mg/kg dry	SW-846 6010	10/19/00 11:20	VIK
THALLIUM	<1.1	1.1	mg/kg dry	SW-846 6010	10/18/00 18:40	VIK
VANADIUM	10.0	0.22	mg/kg dry	SW-846 6010	10/18/00 18:40	VIK
ZINC	51.4	0.22	mg/kg dry	SW-846 6010	10/18/00 18:40	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 031
SAMPLE DESCRIPTION: NAVSTA-CS-VCT56-01 GRAB 10/11/00 @0935

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/18/00 6:39	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/18/00 6.39	JL
n-Butylbenzene	<0 004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 6:39	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
Chloromethane	<0 01	0.01	mg/kg	5035/8260	10/18/00 6:39	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/18/00 6:39	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6.39	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 6:39	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6.39	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/18/00 6:39	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: _____
R.I. Analytical

Sample #: 031

NAVSTA-CS-VCT56-01 GRAB 10/11/00 @0935

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/18/00 6:39	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/18/00 6:39	JL
SURROGATES			RANGE	5035/8260	10/18/00 6:39	JL
Dibromofluoromethane	99		80-120%	5035/8260	10/18/00 6:39	JL
Toluene-d8	104		81-117%	5035/8260	10/18/00 6:39	JL
4-Bromofluorobenzene	104		74-121%	5035/8260	10/18/00 6:39	JL
1,2 Dichloroethane-d4	96		80-120%	5035/8260	10/18/00 6:39	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: _____
R.I. Analytical

Sample #: 032
SAMPLE DESCRIPTION: NAVSTA-CS-VCTS6-01 GRAB 10/11/00 @0935

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19.09	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 032

NAVSTA-CS-VCT56-01 GRAB 10/11/00 @0935

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 19:09	JAH
SURROGATES			RANGE	SW-846 8270	10/18/00 19:09	JAH
Phenol-d5	61		24-113%	SW-846 8270	10/18/00 19:09	JAH
2-Fluorophenol	71		25-121%	SW-846 8270	10/18/00 19:09	JAH
2,4,6-Tribromophenol	71		19-122%	SW-846 8270	10/18/00 19:09	JAH
Nitrobenzene-d5	66		23-120%	SW-846 8270	10/18/00 19:09	JAH
2-Fluorobiphenyl	72		30-115%	SW-846 8270	10/18/00 19:09	JAH
P-Terphenyl-d14	114		18-137%	SW-846 8270	10/18/00 19:09	JAH

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Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 033
SAMPLE DESCRIPTION: NAVSTA-CS-VCT56-01 GRAB 10/11/00 @0935

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/19/00 11:32	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	10/19/00 11:32	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	10/19/00 11:32	NPV

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Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 034
SAMPLE DESCRIPTION: NAVSTA-CS-VCT56-01 GRAB 10/11/00 @0935

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<28	28	mg/kg dry	EPA 418.1	10/17/00 15:37	SWM

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Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: R.I. Analytical

Sample #: 035
SAMPLE DESCRIPTION: NAVSTA-CS-VCT56-01 GRAB 10/11/00 @0935

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	6790	440	mg/kg dry	SW-846 6010	10/18/00 19:31	VIK
ANTIMONY	<2.2	2.2	mg/kg dry	SW-846 6010	10/18/00 19:42	VIK
ARSENIC	26.8	1.1	mg/kg dry	SW-846 6010	10/18/00 19:42	VIK
BARIUM	10.8	0.056	mg/kg dry	SW-846 6010	10/18/00 19:42	VIK
BERYLLIUM	0.268	0.011	mg/kg dry	SW-846 6010	10/18/00 19:42	VIK
CADMIUM	1.85	0.056	mg/kg dry	SW-846 6010	10/18/00 19:42	VIK
CHROMIUM	8.48	0.34	mg/kg dry	SW-846 6010	10/18/00 19:42	VIK
COBALT	13.8	0.34	mg/kg dry	SW-846 6010	10/18/00 19:42	VIK
COPPER	15.7	0.56	mg/kg dry	SW-846 6010	10/18/00 19:42	VIK
IRON	27280	224	mg/kg dry	SW-846 6010	10/18/00 19:31	VIK
LEAD	7.81	0.44	mg/kg dry	SW-846 6010	10/18/00 19:42	VIK
MAGNESIUM	2470	55 8	mg/kg dry	SW-846 6010	10/19/00 10:49	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/19/00 13:18	RJC
NICKEL	24.6	0.22	mg/kg dry	SW-846 6010	10/18/00 19:42	VIK
POTASSIUM	340	11.2	mg/kg dry	SW-846 6010	10/19/00 11:23	VIK
SELENIUM	<2.2	2.2	mg/kg dry	SW-846 6010	10/18/00 19:42	VIK
SILVER	<0.22	0.22	mg/kg dry	SW-846 6010	10/18/00 19:42	VIK
SODIUM	45	33	mg/kg dry	SW-846 6010	10/19/00 11:23	VIK
THALLIUM	<1 1	1.1	mg/kg dry	SW-846 6010	10/18/00 19:42	VIK
VANADIUM	9.37	0.22	mg/kg dry	SW-846 6010	10/18/00 19:42	VIK
ZINC	47.4	0.22	mg/kg dry	SW-846 6010	10/18/00 19:42	VIK

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: _____
R.I. Analytical

Sample #: 036
SAMPLE DESCRIPTION: PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/18/00 1:17	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/18/00 1:17	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 1:17	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 1:17	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/18/00 1:17	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/18/00 1:17	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/18/00 1:17	JL

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Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by: _____
R.I. Analytical

Sample #: 036

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PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
1,1,1-Trichloroethane	<0 004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/18/00 1.17	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1.17	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/18/00 1:17	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	10/18/00 1:17	JL
SURROGATES			RANGE	5035/8260	10/18/00 1:17	JL
Dibromofluoromethane	107		80-120%	5035/8260	10/18/00 1:17	JL
Toluene-d8	107		81-117%	5035/8260	10/18/00 1:17	JL
4-Bromofluorobenzene	108		74-121%	5035/8260	10/18/00 1:17	JL
1,2 Dichloroethane-d4	104		80-120%	5035/8260	10/18/00 1:17	JL
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Benzo(b)fluoranthene	<0 4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH

R.I. Analytical Laboratories, Inc.

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Foster Wheeler
Date Received: 10/12/00
Work Order # 0010-12505

Approved by:
R.I. Analytical

Sample #: 036

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PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH

R.I. Analytical Laboratories, Inc.

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Foster Wheeler
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Approved by: _____
R.I. Analytical

Sample #: 036

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/18/00 22:58	JAH
SURROGATES			RANGE	SW-846 8270	10/18/00 22:58	JAH
Phenol-d5	71		24-113%	SW-846 8270	10/18/00 22:58	JAH
2-Fluorophenol	86		25-121%	SW-846 8270	10/18/00 22:58	JAH
2,4,6-Tribromophenol	104		19-122%	SW-846 8270	10/18/00 22:58	JAH
Nitrobenzene-d5	76		23-120%	SW-846 8270	10/18/00 22:58	JAH
2-Fluorobiphenyl	87		30-115%	SW-846 8270	10/18/00 22:58	JAH
P-Terphenyl-d14	114		18-137%	SW-846 8270	10/18/00 22:58	JAH
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/19/00 5:53	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	10/19/00 5:53	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	10/19/00 5:53	NPV
TPH IR	<25	25	mg/kg dry	EPA 418.1	10/18/00 20:25	SWM
TOTAL METALS						
ALUMINUM	<1	1	mg/kg dry	SW-846 6010	10/18/00 18:03	VIK
ANTIMONY	<3	3	mg/kg dry	SW-846 6010	10/18/00 18:03	VIK
ARSENIC	<1	1	mg/kg dry	SW-846 6010	10/18/00 18:03	VIK
BARIUM	<0.06	0.06	mg/kg dry	SW-846 6010	10/18/00 18:03	VIK
BERYLLIUM	<0.01	0.01	mg/kg dry	SW-846 6010	10/18/00 18:03	VIK
CADMIUM	<0.06	0.06	mg/kg dry	SW-846 6010	10/18/00 18:03	VIK
CHROMIUM	<0.4	0.4	mg/kg dry	SW-846 6010	10/18/00 18:03	VIK
COBALT	<0.4	0.4	mg/kg dry	SW-846 6010	10/18/00 18:03	VIK
COPPER	<0.6	0.6	mg/kg dry	SW-846 6010	10/18/00 18:03	VIK
IRON	<0.6	0.6	mg/kg dry	SW-846 6010	10/18/00 18:03	VIK
LEAD	<0.5	0.5	mg/kg dry	SW-846 6010	10/18/00 18.03	VIK
MAGNESIUM	<0.6	0.6	mg/kg dry	SW-846 6010	10/19/00 10:25	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/19/00 13:18	RJC
NICKEL	<0.3	0.3	mg/kg dry	SW-846 6010	10/18/00 18:03	VIK
POTASSIUM	<13	13	mg/kg dry	SW-846 6010	10/19/00 10:25	VIK
SELENIUM	<3	3	mg/kg dry	SW-846 6010	10/18/00 18:03	VIK
SILVER	<0.3	0.3	mg/kg dry	SW-846 6010	10/18/00 18:03	VIK
SODIUM	<40	40	mg/kg dry	SW-846 6010	10/19/00 10.25	VIK
THALLIUM	<1	1	mg/kg dry	SW-846 6010	10/18/00 18.03	VIK
VANADIUM	<0.3	0.3	mg/kg dry	SW-846 6010	10/18/00 18:03	VIK
ZINC	<0.3	0.3	mg/kg dry	SW-846 6010	10/18/00 18.03	VIK

White Copy Original (Accompanies Samples) Yellow Copy – Collector Pink Copy – Customer's Copy

R.I. Analytical Laboratories, Inc.

41 Illinois Avenue
Warwick, RI 02888
Phone: (401) 737-8500
Fax: (401) 738-1970

950 Boylston Street, Unit 102
Newton Highlands, MA 02461
Phone. (617) 965-5133
Fax: (617) 965-5624

CHAIN OF CUSTODY RECORD

Page 1 of 1

Container Type Codes:	Preservative Codes:	Matrix Codes:
P=Plastic AG=Amber Glass	NP=Non preserved S=Sulfuric	GW=Groundwater S=Soil
G=Glass St=Sterile	I=Cooled 4°C H=HCL	WW=Wastewater Sl=Sludge
V=Vial	N=Nitric SH=NaOH	DW=Drinking water A=Air
O=Other (describe)	M=Methanol SB=NaHSO4	O=Other (describe) B=Bulk/Solid

Date Collected	Time Collected	Sample ID	G=Grab C=Comp.	Containers # + (code)	Preservative (code)	Matrix (code)	Analysis Request
10/11/00	1155	NAVSTA-CS-VCT53-01 *	G	5	I,M,SD	S	8260/8270/418.1/8015/TAL metals
	0900	VCT52-02					
	1245	VV1-01 *					
	0735	VA19-01					
	0825	VCT52-01					
	0950	VCT56-02	G	5	I,M,SD	S	
10/11/00	0935	NAVSTA-CS-VCT56-~~02~~01	G	5	I,M,SD	S	8260/8270/418.1/8015/TAL metals
		GFH 10/12					

Client Information

Company Name: FWENC
Address: 195 Burma Rd
City / State / Zip: Portsmouth, RI
Phone: 401-683-5218 Fax. 401-683
Contact: Josh Holden

Project Information

Project Name / Location: Fuel line closure
P.O. Number / Project Number: 0065
Project Manager / Report To: [illegible]
Sampled by: JBH / John Pa
Reference Proposal: [illegible]

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	10/12	1130	Kelly Carpenter	10/12/00	1130
K Carpenter	10/12/00	1700	[illegible]	10-12-00	2334

Turn Around Time:
- ☐ Normal
- ☒ 5 business days Surcharges may apply
- ☐ Rush _____ (business days)

Project Comments:
* Samples smells like fuel Low Level VOCs Required

RIAL USE ONLY:
- ☒ Pick-Up Only
- ☐ RIAL Sampled
- ☒ Shipped on Ice

RIAL W.O. # 12505

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Foster Wheeler
Attn: Mr. Josh Holden
P.O. Box 4350
Middletown, RI 02842

Date Received: 10/17/00
Date Reported: 10/19/00
P.O. #:
Work Order #: 0010-12650

DESCRIPTION: PROJECT# D065 FUEL LINE CLOSURE

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Michi
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/17/00
Work Order # 0010-12650

Approved by: _____
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: NAVSTA-CS-VA18-01 GRAB 10/04/00 @1000

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/19/00 11:32	NPV
C9-C24	300	4.0	mg/kg dry	SW846 8015B	10/19/00 11:32	NPV
C24-C36	480	20	mg/kg dry	SW846 8015B	10/19/00 11:32	NPV

White Copy Original (Accompanies Samples) Yellow Copy – Collector Pink Copy – Customer's Copy

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CHAIN OF CUSTODY RECORD

Page ___ of ___

Container Type Codes:	Preservative Codes:		Matrix Codes:	
P=Plastic AG=Amber Glass	NP=Non preserved	S=Sulfuric	GW=Groundwater	S=Soil
G=Glass St=Sterile	I=Cooled 4°C	H=HCL	WW=Wastewater	Sl=Sludge
V=Vial	N=Nitric	SH=NaOH	DW=Drinking water	A=Air
O=Other (describe)	M=Methanol	SB=NaHSO4	O=Other (describe)	B=Bulk/Solid

Date Collected	Time Collected	Sample ID	G=Grab C=Comp.	Containers # + (code)	Preservative (code)	Matrix (code)	Analysis Request
10/4/00	1000	NAUSTA-CS-UA18-01	G			S	TPH-8015 *

Client Information

Company Name: Foster Wheeler
Address: P.O. Box 4350
City / State / Zip: Middletown, RI 02842
Phone: 683-5259 Fax: 683-5218
Contact: Josh Holden

Project Information

Project Name / Location: Project # D065 Fuel Line Closure
PO Number / Project Number:
Project Manager / Report To:
Sampled by:
Reference Proposal:

Relinquished by:	Date	Time	Received by:	Date	Time
Per Attached Authorization	10/17/00	0849		10/17/00	1400

Turn Around Time:

- ☐ Normal
- ☐ 5 business days Surcharges may apply
- ☒ Rush 48-hr (business days)

Project Comments:

* - Reanalysis of w.o.# 10-12172 sample 007

RIAL USE ONLY:
- ☐ Pick-Up Only
- ☐ RIAL Sampled
- ☐ Shipped on Ice

RIAL W.O. # 12650

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Foster Wheeler
Attn: Mr. Josh Holden
P.O. Box 4350
Middletown, RI 02842

Date Received: 10/18/00
Date Reported: 10/25/00
P.O. #:
Work Order #: 0010-12725

DESCRIPTION: DOG5 (ONE SOIL SAMPLE)

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

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R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/18/00
Work Order # 0010-12725

Approved by:
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: NAVSTA-CS-VA19-02 GRAB 10/17/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<27	27	mg/kg dry	EPA 418.1	10/20/00 15:31	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/18/00
Work Order # 0010-12725

Approved by: R.I. Analytical

Sample #: 002
SAMPLE DESCRIPTION: NAVSTA-CS-VA19-02 GRAB 10/17/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/24/00 12:11	JAH
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/24/00 12:11	JAH
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/24/00 12:11	JAH
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/24/00 12:11	JAH
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/24/00 12:11	JAH
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/24/00 12:11	JAH
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/24/00 12:11	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/18/00
Work Order # 0010-12725

Approved by:
R.I. Analytical

Sample #: 002.

NAVSTA-CS-VA19-02 GRAB 10/17/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
Styrene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 12.11	JAH
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
Toluene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
1,2,3-Trichloropropane	<0.004	0 004	mg/kg	5035/8260	10/24/00 12:11	JAH
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
o-Xylene	<0.004	0.004	mg/kg	5035/8250	10/24/00 12:11	JAH
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/24/00 12:11	JAH
MTBE	<0.008	0.008	mg/kg	5035/8260	10/24/00 12:11	JAH
SURROGATES			RANGE	5035/8260	10/24/00 12:11	JAH
Dibromofluoromethane	94		80-120%	5035/8260	10/24/00 12:11	JAH
Toluene-d8	102		81-117%	5035/8260	10/24/00 12:11	JAH
4-Bromofluorobenzene	109		74-121%	5035/8260	10/24/00 12:11	JAH
1,2 Dichloroethane-d4	107		80-120%	5035/8260	10/24/00 12:11	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/18/00
Work Order # 0010-12725

Approved by:
R.I. Analytical

Sample #: 003
SAMPLE DESCRIPTION: NAVSTA-CS-VA19-02 GRAB 10/17/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11.10	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11.10	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11.10	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11.10	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/18/00
Work Order # 0010-12725

Approved by: R.I. Analytical

Sample #: 003

NAVSTA-CS-VA19-02 GRAB 10/17/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 11:10	JAH
SURROGATES			RANGE	SW-846 8270	10/24/00 11:10	JAH
Phenol-d5	77		24-113%	SW-846 8270	10/24/00 11:10	JAH
2-Fluorophenol	54		25-121%	SW-846 8270	10/24/00 11:10	JAH
2,4,6-Tribromophenol	66		19-122%	SW-846 8270	10/24/00 11:10	JAH
Nitrobenzene-d5	74		23-120%	SW-846 8270	10/24/00 11:10	JAH
2-Fluorobiphenyl	76		30-115%	SW-846 8270	10/24/00 11:10	JAH
P-Terphenyl-d14	80		18-137%	SW-846 8270	10/24/00 11:10	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/18/00
Work Order # 0010-12725

Approved by:
R.I. Analytical

Sample #: 004
SAMPLE DESCRIPTION: NAVSTA-CS-VA19-02 GRAB 10/17/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	10300	550	mg/kg dry	SW-846 6010	10/24/00 20:49	VIK
ANTIMONY	<2.3	2.3	mg/kg dry	SW-846 6010	10/24/00 20:17	VIK
ARSENIC	13.6	1.1	mg/kg dry	SW-846 6010	10/24/00 20:17	VIK
BARIUM	18.5	0.056	mg/kg dry	SW-846 6010	10/24/00 20:17	VIK
BERYLLIUM	0.373	0.011	mg/kg dry	SW-846 6010	10/24/00 20:17	VIK
CADMIUM	2.31	0.056	mg/kg dry	SW-846 6010	10/24/00 20:17	VIK
CHROMIUM	10.9	0.34	mg/kg dry	SW-846 6010	10/24/00 20:17	VIK
COBALT	10.3	0.34	mg/kg dry	SW-846 6010	10/24/00 20:17	VIK
COPPER	15.7	0.56	mg/kg dry	SW-846 6010	10/24/00 20:17	VIK
IRON	26900	280	mg/kg dry	SW-846 6010	10/24/00 20:49	VIK
LEAD	8.82	0.45	mg/kg dry	SW-846 6010	10/24/00 20:17	VIK
MAGNESIUM	3880	56.6	mg/kg dry	SW-846 6010	10/25/00 10:23	RJC
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/24/00 16:23	RJC
NICKEL	18.7	0.23	mg/kg dry	SW-846 6010	10/24/00 20:17	VIK
POTASSIUM	463	11.3	mg/kg dry	SW-846 6010	10/25/00 10:10	RJC
SELENIUM	<2.3	2.3	mg/kg dry	SW-846 6010	10/24/00 20:17	VIK
SILVER	<0.23	0.23	mg/kg dry	SW-846 6010	10/24/00 20:17	VIK
SODIUM	45	34	mg/kg dry	SW-846 6010	10/25/00 10:10	RJC
THALLIUM	<1.1	1.1	mg/kg dry	SW-846 6010	10/24/00 20:17	VIK
VANADIUM	13.9	0.23	mg/kg dry	SW-846 6010	10/24/00 20:17	VIK
ZINC	44.2	0.23	mg/kg dry	SW-846 6010	10/24/00 20:17	VIK

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/18/00
Work Order # 0010-12725

Approved by:
R.I. Analytical

Sample #: 005
SAMPLE DESCRIPTION: NAVSTA-CS-VA19-02 GRAB 10/17/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/24/00 6:00	CLB
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	10/24/00 6:00	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	10/24/00 6:00	CLB

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/18/00
Work Order # 0010-12725

Approved by:
R.I. Analytical

Sample #: 006
SAMPLE DESCRIPTION: PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<25	25	mg/kg dry	EPA 418.1	10/20/00 15:31	SWM
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/24/00 10.40	JAH
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/24/00 10:40	JAH
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/24/00 10:40	JAH
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/24/00 10:40	JAH
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/24/00 10:40	JAH
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10 40	JAH
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/24/00 10:40	JAH
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10.40	JAH
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/18/00
Work Order # 0010-12725

Approved by:
R.I. Analytical

Sample #: 006

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PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/24/00 10:40	JAH
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Styrene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Toluene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8250	10/24/00 10.40	JAH
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
MTBE	<0.008	0.008	mg/kg	5035/8260	10/24/00 10:40	JAH
SURROGATES			RANGE	5035/8260	10/24/00 10:40	JAH
Dibromofluoromethane	89		80-120%	5035/8260	10/24/00 10:40	JAH
Toluene-d8	100		81-117%	5035/8260	10/24/00 10:40	JAH
4-Bromofluorobenzene	115		74-121%	5035/8260	10/24/00 10:40	JAH
1,2 Dichloroethane-d4	106		80-120%	5035/8260	10/24/00 10:40	JAH
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13.02	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13.02	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13 02	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13.02	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13.02	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/24/00 13·02	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13 02	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13.02	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/18/00
Work Order # 0010-12725

Approved by:
R.I. Analytical

Sample #: 006

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PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/18/00
Work Order # 0010-12725

Approved by:
R.I. Analytical

Sample #: 006

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PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 13:02	JAH
SURROGATES			RANGE	SW-846 8270	10/24/00 13:02	JAH
Phenol-d5	104		24-113%	SW-846 8270	10/24/00 13:02	JAH
2-Fluorophenol	113		25-121%	SW-846 8270	10/24/00 13:02	JAH
2,4,6-Tribromophenol	92		19-122%	SW-846 8270	10/24/00 13:02	JAH
Nitrobenzene-d5	94		23-120%	SW-846 8270	10/24/00 13:02	JAH
2-Fluorobiphenyl	96		30-115%	SW-846 8270	10/24/00 13.02	JAH
P-Terphenyl-d14	102		18-137%	SW-846 8270	10/24/00 13:02	JAH
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/23/00 17:22	CLB
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	10/23/00 17:22	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	10/23/00 17:22	CLB
TOTAL METALS						
ALUMINUM	<1.2	1.2	mg/kg dry	SW-846 6010	10/24/00 20:10	VIK
ANTIMONY	<2.5	2.5	mg/kg dry	SW-846 6010	10/24/00 20:10	VIK
ARSENIC	<1.2	1.2	mg/kg dry	SW-846 6010	10/24/00 20:10	VIK
BARIUM	<0.062	0.062	mg/kg dry	SW-846 6010	10/24/00 20:10	VIK
BERYLLIUM	<0.012	0.012	mg/kg dry	SW-846 6010	10/24/00 20:10	VIK
CADMIUM	<0.062	0.062	mg/kg dry	SW-846 6010	10/24/00 20:10	VIK
CHROMIUM	<0.38	0.38	mg/kg dry	SW-846 6010	10/24/00 20:10	VIK
COBALT	<0.38	0.38	mg/kg dry	SW-846 6010	10/24/00 20:10	VIK
COPPER	<0.62	0.62	mg/kg dry	SW-846 6010	10/24/00 20:10	VIK
IRON	<0.62	0.62	mg/kg dry	SW-846 6010	10/24/00 20:10	VIK
LEAD	<0.50	0.50	mg/kg dry	SW-846 6010	10/24/00 20:10	VIK
MAGNESIUM	<0.5	0.5	mg/kg dry	SW-846 6010	10/25/00 10:03	RJC
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/24/00 16:23	RJC
NICKEL	<0.25	0.25	mg/kg dry	SW-846 6010	10/24/00 20:10	VIK
POTASSIUM	<10	10	mg/kg dry	SW-846 6010	10/25/00 10:03	RJC
SELENIUM	<2.5	2.5	mg/kg dry	SW-846 6010	10/24/00 20:10	VIK
SILVER	<0.25	0.25	mg/kg dry	SW-846 6010	10/24/00 20:10	VIK
SODIUM	<30	30	mg/kg dry	SW-846 6010	10/25/00 10:03	RJC
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	10/24/00 20:10	VIK
VANADIUM	<0.25	0.25	mg/kg dry	SW-846 6010	10/24/00 20:10	VIK
ZINC	<0.25	0.25	mg/kg dry	SW-846 6010	10/24/00 20:10	VIK

White Copy Original (Accompanies Samples) Yellow Copy – Collector Pink Copy – Customer's Copy

R.I. Analytical Laboratories, Inc.

41 Illinois Avenue
Warwick, RI 02888
Phone: (401) 737-8500
Fax: (401) 738-1970

950 Boylston Street, Unit 102
Newton Highlands, MA 02461
Phone: (617) 965-5133
Fax: (617) 965-5624

CHAIN OF CUSTODY RECORD

Page 1 of 1

Container Type Codes:	Preservative Codes:	Matrix Codes:
P=Plastic AG=Amber Glass	NP=Non preserved S=Sulfuric	GW=Groundwater S=Soil
G=Glass St=Sterile	I=Cooled 4°C H=HCL	WW=Wastewater Sl=Sludge
V=Vial	N=Nitric SH=NaOH	DW=Drinking water A=Air
O=Other (describe)	M=Methanol SB=NaHSO4	O=Other (describe) B=Bulk/Solid

Date Collected	Time Collected	Sample ID	G=Grab C=Comp.	Containers # + (code)	Preservative (code)	Matrix (code)	Analysis Request
10/17/00	1330	NAVSTA-CS-VA19-02	G	5	I, M, SB	S	8260/8270 / TAL metals / TPH 418.1 / 8015

Client Information

Company Name: FWENC
Address: 195 Boona Rd
City / State / Zip: Portsmouth, RI
Phone: 683-5254 Fax: 683-5218
Contact: Holden

Project Information

Project Name / Location: DOGS
P O Number / Project Number:
Project Manager / Report To: Holden
Sampled by: Holden / Pane
Reference Proposal:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	10/18/00	1355	[signature]	10/18/00	1355
[signature]	10/18/00	1630	Alison Carpenter	10/18/00	1630

Turn Around Time:
- ☐ Normal
- ☒ 5 business days Surcharges may apply
- ☐ Rush _____ (business days)

Project Comments: XLOW VOCs

RIAL USE ONLY:
- ☒ Pick-Up Only
- ☐ RIAL Sampled
- ☒ Shipped on Ice

RIAL W.O. # 12725

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Foster Wheeler
Attn: Mr. Josh Holden
P.O. Box 4350
Middletown, RI 02842

Date Received: 10/19/00
Date Reported: 10/24/00
P.O. #:
Work Order #: 0010-12787

DESCRIPTION: PROJECT# DO65 (ONE SOIL SAMPLE)

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax. (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/19/00
Work Order # 0010-12787

Approved by:
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: NAVSTA-CS-VCT56-03 GRAB 10/19/00 @1000

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	2100	27	mg/kg dry	EPA 418.1	10/20/00 15:31	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/19/00
Work Order # 0010-12787

Approved by:
R.I. Analytical

Sample #: 002.
SAMPLE DESCRIPTION: NAVSTA-CS-VCT56-03 GRAB 10/19/00 @1000

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
Bromobenzene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
Bromochloromethane	<0.4	0.4	mg/kg	5035/8260	10/24/00 15:45	JAH
Bromodichloromethane	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
Bromoform	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
Bromomethane	<1.0	1.0	mg/kg	5035/8260	10/24/00 15:45	JAH
n-Butylbenzene	2.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
sec-Butylbenzene	1.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
tert-Butylbenzene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
Carbon Tetrachloride	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
Chlorobenzene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
Chloroethane	<0.5	0.5	mg/kg	5035/8260	10/24/00 15:45	JAH
Chloroform	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
Chloromethane	<0.5	0.5	mg/kg	5035/8260	10/24/00 15:45	JAH
2-Chlorotoluene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
4-Chlorotoluene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
Dibromochloromethane	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
1,2-Dibromo-3-Chloropropane	<0.4	0.4	mg/kg	5035/8260	10/24/00 15:45	JAH
1,2-Dibromoethane(EDB)	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
Dibromomethane	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
1,2-Dichlorobenzene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
1,3-Dichlorobenzene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
1,4-Dichlorobenzene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
Dichlorodifluoromethane	<0.5	0.5	mg/kg	5035/8260	10/24/00 15:45	JAH
1,1-Dichloroethane	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
1,2-Dichloroethane	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
1,1-Dichloroethene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
cis-1,2-Dichloroethene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
trans-1,2-Dichloroethene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
1,2-Dichloropropane	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
1,3-Dichloropropane	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
2,2-Dichloropropane	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
1,1-Dichloropropene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
Ethylbenzene	0.3	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
Hexachlorobutadiene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
Isopropylbenzene	0.4	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
p-Isopropyltoluene	1.3	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
Methylene Chloride	<0.5	0.5	mg/kg	5035/8260	10/24/00 15:45	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/19/00
Work Order # 0010-12787

Approved by: _____
R.I. Analytical

Sample #: 002.

NAVSTA-CS-VCT56-03 GRAB 10/19/00 @1000

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
n-Propylbenzene	0.9	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
Styrene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
1,1,1,2-Tetrachloroethane	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
1,1,2,2-Tetrachloroethane	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
Tetrachloroethene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
Toluene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
1,2,3-Trichlorobenzene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
1,2,4-Trichlorobenzene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
1,1,1-Trichloroethane	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
1,1,2-Trichloroethane	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
Trichloroethene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
Trichlorofluoromethane	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
1,2,3-Trichloropropane	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
1,2,4-Trimethylbenzene	5.6	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
1,3,5-Trimethylbenzene	2.1	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
Vinyl Chloride	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
o-Xylene	<0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
m&p-Xylene	0.2	0.2	mg/kg	5035/8260	10/24/00 15:45	JAH
MTBE	<0.4	0.4	mg/kg	5035/8260	10/24/00 15:45	JAH
SURROGATES			RANGE	5035/8260	10/24/00 15:45	JAH
Dibromofluoromethane	88		80-120%	5035/8260	10/24/00 15:45	JAH
Toluene-d8	101		81-117%	5035/8260	10/24/00 15:45	JAH
4-Bromofluorobenzene	99		74-121%	5035/8260	10/24/00 15:45	JAH
1,2 Dichloroethane-d4	108		80-120%	5035/8260	10/24/00 15:45	JAH

Method 5035; Detection limits increased as a result of sample dilution. Sample dilution required to achieve target compound response within the calibration range of the analysis.

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/19/00
Work Order # 0010-12787

Approved by:
R.I. Analytical

Sample #: 003
SAMPLE DESCRIPTION: NAVSTA-CS-VCT56-03 GRAB 10/19/00 @1000

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
bis(2-chloroisopropyl)ether	<0.4	0 4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Fluorene	0.9	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Naphthalene	0.7	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/19/00
Work Order # 0010-12787

Approved by: _____
R.I. Analytical

Sample #: 003

NAVSTA-CS-VCTS6-03 GRAB 10/19/00 @1000

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Phenanthrene	1.5	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 10:15	JAH
SURROGATES			RANGE	SW-846 8270	10/24/00 10:15	JAH
Phenol-d5	84		24-113%	SW-846 8270	10/24/00 10:15	JAH
2-Fluorophenol	69		25-121%	SW-846 8270	10/24/00 10:15	JAH
2,4,6-Tribromophenol	126		19-122%	SW-846 8270	10/24/00 10:15	JAH
Nitrobenzene-d5	74		23-120%	SW-846 8270	10/24/00 10:15	JAH
2-Fluorobiphenyl	88		30-115%	SW-846 8270	10/24/00 10:15	JAH
P-Terphenyl-d14	68		18-137%	SW-846 8270	10/24/00 10:15	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/19/00
Work Order # 0010-12787

Approved by: R.I. Analytical

Sample #: 004
SAMPLE DESCRIPTION: NAVSTA-CS-VCT56-03 GRAB 10/19/00 @1000

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	11500	111	mg/kg dry	SW-846 6010	10/24/00 15:03	KSL
ANTIMONY	<2.2	2.2	mg/kg dry	SW-846 6010	10/24/00 15:10	KSL
ARSENIC	17.0	1.1	mg/kg dry	SW-846 6010	10/24/00 15:10	KSL
BARIUM	31.5	0.056	mg/kg dry	SW-846 6010	10/24/00 15:10	KSL
BERYLLIUM	0.29	0.011	mg/kg dry	SW-846 6010	10/24/00 15:10	KSL
CADMIUM	1.68	0.056	mg/kg dry	SW-846 6010	10/24/00 15:10	KSL
CHROMIUM	8.79	0.33	mg/kg dry	SW-846 6010	10/24/00 15:10	KSL
COBALT	8.68	0.33	mg/kg dry	SW-846 6010	10/24/00 15:10	KSL
COPPER	11.7	0.56	mg/kg dry	SW-846 6010	10/24/00 15:10	KSL
IRON	35100	56.0	mg/kg dry	SW-846 6010	10/24/00 15:03	KSL
LEAD	8.35	0.44	mg/kg dry	SW-846 6010	10/24/00 15:10	KSL
MAGNESIUM	2490	56.0	mg/kg dry	SW-846 6010	10/24/00 13:51	KSL
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/24/00 16:23	RJC
NICKEL	15.9	0.22	mg/kg dry	SW-846 6010	10/24/00 15:10	KSL
POTASSIUM	376	11.1	mg/kg dry	SW-846 6010	10/24/00 13:57	KSL
SELENIUM	<2.2	2.2	mg/kg dry	SW-846 6010	10/24/00 15:10	KSL
SILVER	<0.22	0.22	mg/kg dry	SW-846 6010	10/24/00 15:10	KSL
SODIUM	78	33	mg/kg dry	SW-846 6010	10/24/00 13:57	KSL
THALLIUM	<1.1	1.1	mg/kg dry	SW-846 6010	10/24/00 15:10	KSL
VANADIUM	10.4	0.22	mg/kg dry	SW-846 6010	10/24/00 15:10	KSL
ZINC	34.6	0.22	mg/kg dry	SW-846 6010	10/24/00 15:10	KSL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/19/00
Work Order # 0010-12787

Approved by:
R.I. Analytical

Sample #: 005.
SAMPLE DESCRIPTION: NAVSTA-CS-VCT56-03 GRAB 10/19/00 @1000

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/23/00 18:04	CLB
C9-C24	6100	4.0	mg/kg dry	SW846 8015B	10/23/00 18:04	CLB
C24-C36	90	20	mg/kg dry	SW846 8015B	10/23/00 18:04	CLB

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/19/00
Work Order # 0010-12787

Approved by:
R.I. Analytical

Sample #: 006
SAMPLE DESCRIPTION: PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<25	25	mg/kg dry	EPA 418.1	10/20/00 15:31	SWM
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	10/24/00 10:40	JAH
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Bromoform	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Bromomethane	<0.02	0.02	mg/kg	5035/8260	10/24/00 10:40	JAH
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Chloroethane	<0.01	0.01	mg/kg	5035/8260	10/24/00 10:40	JAH
Chloroform	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Chloromethane	<0.01	0.01	mg/kg	5035/8260	10/24/00 10:40	JAH
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	10/24/00 10:40	JAH
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	10/24/00 10:40	JAH
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/19/00
Work Order # 0010-12787

Approved by:
R.I. Analytical

Sample #: 006

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	10/24/00 10:40	JAH
Naphthalene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Styrene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Toluene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
o-Xylene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	10/24/00 10:40	JAH
MTBE	<0.008	0.008	mg/kg	5035/8260	10/24/00 10:40	JAH
SURROGATES			RANGE	5035/8260	10/24/00 10:40	JAH
Dibromofluoromethane	89		80-120%	5035/8260	10/24/00 10:40	JAH
Toluene-d8	100		81-117%	5035/8260	10/24/00 10:40	JAH
4-Bromofluorobenzene	115		74-121%	5035/8260	10/24/00 10:40	JAH
1,2 Dichloroethane-d4	106		80-120%	5035/8260	10/24/00 10:40	JAH
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/19/00
Work Order # 0010-12787

Approved by: R.I. Analytical

Sample #: 006

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/19/00
Work Order # 0010-12787

Approved by:
R.I. Analytical

Sample #: 006

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/24/00 12:06	JAH
SURROGATES			RANGE	SW-846 8270	10/24/00 12:06	JAH
Phenol-d5	76		24-113%	SW-846 8270	10/24/00 12:06	JAH
2-Fluorophenol	79		25-121%	SW-846 8270	10/24/00 12:06	JAH
2,4,6-Tribromophenol	111		19-122%	SW-846 8270	10/24/00 12:06	JAH
Nitrobenzene-d5	72		23-120%	SW-846 8270	10/24/00 12:06	JAH
2-Fluorobiphenyl	78		30-115%	SW-846 8270	10/24/00 12:06	JAH
P-Terphenyl-d14	78		18-137%	SW-846 8270	10/24/00 12:06	JAH
TOTAL METALS						
ALUMINUM	<1	1	mg/kg dry	SW-846 6010	10/24/00 14:55	KSL
ANTIMONY	<2	2	mg/kg dry	SW-846 6010	10/24/00 14:55	KSL
ARSENIC	<1	1	mg/kg dry	SW-846 6010	10/24/00 14:55	KSL
BARIUM	<0.05	0.05	mg/kg dry	SW-846 6010	10/24/00 14:55	KSL
BERYLLIUM	<0.01	0.01	mg/kg dry	SW-846 6010	10/24/00 14:55	KSL
CADMIUM	<0.05	0.05	mg/kg dry	SW-846 6010	10/24/00 14:55	KSL
CHROMIUM	<0.3	0.3	mg/kg dry	SW-846 6010	10/24/00 14:55	KSL
COBALT	<0.3	0.3	mg/kg dry	SW-846 6010	10/24/00 14:55	KSL
COPPER	<0.5	0.5	mg/kg dry	SW-846 6010	10/24/00 14:55	KSL
IRON	<0.5	0.5	mg/kg dry	SW-846 6010	10/24/00 14.55	KSL
LEAD	<0.4	0.4	mg/kg dry	SW-846 6010	10/24/00 14:55	KSL
MAGNESIUM	<0.5	0.5	mg/kg dry	SW-846 6010	10/24/00 13:08	RJC
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	10/24/00 16:23	RJC
NICKEL	<0.2	0.2	mg/kg dry	SW-846 6010	10/24/00 14:55	KSL
POTASSIUM	<10	10	mg/kg dry	SW-846 6010	10/24/00 13.08	RJC
SELENIUM	<2	2	mg/kg dry	SW-846 6010	10/24/00 14.55	KSL
SILVER	<0.2	0.2	mg/kg dry	SW-846 6010	10/24/00 14:55	KSL
SODIUM	<30	30	mg/kg dry	SW-846 6010	10/24/00 13:08	RJC
THALLIUM	<1	1	mg/kg dry	SW-846 6010	10/24/00 14:55	KSL
VANADIUM	<0.2	0.2	mg/kg dry	SW-846 6010	10/24/00 14:55	KSL
ZINC	<0.2	0.2	mg/kg dry	SW-846 6010	10/24/00 14:55	KSL
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	10/23/00 17:22	CLB
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	10/23/00 17:22	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	10/23/00 17:22	CLB

White Copy Original (Accompanies Samples) Yellow Copy – Collector Pink Copy – Customer's Copy

R.I. Analytical Laboratories, Inc.

41 Illinois Avenue
Warwick, RI 02888
Phone: (401) 737-8500
Fax: (401) 738-1970

950 Boylston Street, Unit 102
Newton Highlands, MA 02461
Phone: (617) 965-5133
Fax: (617) 965-5624

CHAIN OF CUSTODY RECORD

Page 1 of 1

Container Type Codes:	Preservative Codes:	Matrix Codes:
P=Plastic AG=Amber Glass	NP=Non preserved S=Sulfuric	GW=Groundwater S=Soil
G=Glass St=Sterile	I=Cooled 4°C H=HCL	WW=Wastewater Sl=Sludge
V=Vial	N=Nitric SH=NaOH	DW=Drinking water A=Air
O=Other (describe)	M=Methanol SB=NaHSO4	O=Other (describe) B=Bulk/Solid

Date Collected	Time Collected	Sample ID	G=Grab C=Comp.	Containers # + (code)	Preservative (code)	Matrix (code)	Analysis Request
10/19/00	1000	NAVSTA-CS-VCT56-03	G	5G	IM, SB	S	8260/8270/TAL metals/418.1/8015

Client Information

Company Name: FWENC
Address: 195 Burma Rd
City / State / Zip: Portsmouth RI 02841
Phone:
Fax:
Contact

Project Information

Project Name / Location: 1068
P.O. Number / Project Number:
Project Manager / Report To: Holden
Sampled by: LANE
Reference Proposal:

Relinquished by:	Date	Time	Received by:	Date	Time
J. Holden	10/19/00	1520	[signature]	10/19/00	1520
[signature]	10/19/00	1630	Alison Carpenter	10/19/00	1630

Turn Around Time:
- ☐ Normal
- ☒ 5 business days Surcharges may apply
- ☐ Rush _____ (business days)

Project Comments:

Low VOCs

RIAL USE ONLY:
- ☒ Pick-Up Only
- ☐ RIAL Sampled
- ☒ Shipped on Ice

RIAL W.O. # 12787

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Foster Wheeler
Attn: Mr. Josh Holden
P.O. Box 4350
Middletown, RI 02842

Date Received: 10/26/00
Date Reported: 11/02/00
P.O. #: 020128
Work Order #: 0010-13084

DESCRIPTION: PROJECT# D065 CLOSE FUEL LINE

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mitth
Vice President

enc: Chain of Custody

Paul Perrotti
Data Reporting Manager

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax. (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/26/00
Work Order # 0010-13084

Approved by:
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: NAVSTA-VCT53-02 GRAB 10/25/00 @1130

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	11/01/00 1:05	CLB
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	11/01/00 1:05	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	11/01/00 1:05	CLB

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Foster Wheeler
Date Received: 10/26/00
Work Order # 0010-13084

Approved by:
R.I. Analytical

Sample #: 002
SAMPLE DESCRIPTION: NAVSTA-VCT53-02 GRAB 10/25/00 @1130

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<28	28	mg/kg dry	EPA 418.1	11/01/00 15:03	SWM

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Foster Wheeler
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Approved by:
R.I. Analytical

Sample #: 003
SAMPLE DESCRIPTION: NAVSTA-VCT53-02 GRAB 10/25/00 @1130

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	11/02/00 13:45	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	11/02/00 13:45	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	11/02/00 13 45	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	11/02/00 13:45	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	11/02/00 13:45	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	11/02/00 13:45	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	11/02/00 13.45	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	11/02/00 13:45	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/02/00 13 45	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	11/02/00 13:45	JL

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Foster Wheeler
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Work Order # 0010-13084

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R.I. Analytical

Sample #: 003

NAVSTA-VCT53-02 GRAB 10/25/00 @1130

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
1,1,1,2-Tetrachloroethane	<0.004	0 004	mg/kg	5035/8260	11/02/00 13:45	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 13.45	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13·45	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	11/02/00 13:45	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	11/02/00 13:45	JL
SURROGATES			RANGE	5035/8260	11/02/00 13:45	JL
Dibromofluoromethane	95		80-120%	5035/8260	11/02/00 13:45	JL
Toluene-d8	105		81-117%	5035/8260	11/02/00 13:45	JL
4-Bromofluorobenzene	111		74-121%	5035/8260	11/02/00 13:45	JL
1,2 Dichloroethane-d4	102		80-120%	5035/8260	11/02/00 13:45	JL

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Foster Wheeler
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Sample #: 004
SAMPLE DESCRIPTION: NAVSTA-VCT53-02 GRAB 10/25/00 @1130

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13.35	JAH
Acenaphthylene	<0 4	0.4	mg/kg dry	SW-846 8270	10/31/00 13.35	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
Benzidine	<0 4	0.4	mg/kg dry	SW-846 3270	10/31/00 13:35	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13·35	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
Benzo(a)pyrene	<0.2	0 2	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13·35	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13.35	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13·35	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13·35	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13·35	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13·35	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13.35	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13·35	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13 35	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13·35	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13.35	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH

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Foster Wheeler
Date Received: 10/26/00
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R.I. Analytical

Sample #: 004

NAVSTA-VCT53-02 GRAB 10/25/00 @1130

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	10/31/00 13:35	JAH
SURROGATES			RANGE	SW-846 8270	10/31/00 13:35	JAH
Phenol-d5	92		24-113%	SW-846 8270	10/31/00 13:35	JAH
2-Fluorophenol	88		25-121%	SW-846 8270	10/31/00 13:35	JAH
2,4,6-Tribromophenol	50		19-122%	SW-846 8270	10/31/00 13:35	JAH
Nitrobenzene-d5	57		23-120%	SW-846 8270	10/31/00 13:35	JAH
2-Fluorobiphenyl	47		30-115%	SW-846 8270	10/31/00 13:35	JAH
P-Terphenyl-d14	87		18-137%	SW-846 8270	10/31/00 13:35	JAH

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Foster Wheeler
Date Received: 10/26/00
Work Order # 0010-13084

Approved by:
R.I. Analytical

Sample #: 005
SAMPLE DESCRIPTION: NAVSTA-VCT53-02 GRAB 10/25/00 @1130

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	7160	560	mg/kg dry	SW-846 6010	11/01/00 19:57	VIK
ANTIMONY	<2.8	2.8	mg/kg dry	SW-846 6010	11/01/00 18:58	VIK
ARSENIC	16.5	1.4	mg/kg dry	SW-846 6010	11/01/00 18:58	VIK
BARIUM	13.4	0.069	mg/kg dry	SW-846 6010	11/01/00 18:58	VIK
BERYLLIUM	0.495	0.014	mg/kg dry	SW-846 6010	11/01/00 18:58	VIK
CADMIUM	2.12	0.069	mg/kg dry	SW-846 6010	11/01/00 18:58	VIK
CHROMIUM	8.54	0.41	mg/kg dry	SW-846 6010	11/01/00 18:58	VIK
COBALT	9.91	0 41	mg/kg dry	SW-846 6010	11/01/00 18:58	VIK
COPPER	15.8	0.69	mg/kg dry	SW-846 6010	11/01/00 18:58	VIK
IRON	15100	276	mg/kg dry	SW-846 6010	11/01/00 19:57	VIK
LEAD	7.99	0.56	mg/kg dry	SW-846 6010	11/01/00 18:58	VIK
MAGNESIUM	2094	69	mg/kg dry	SW-846 6010	11/02/00 8:52	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	11/01/00 12:00	RJC
NICKEL	17.6	0.28	mg/kg dry	SW-846 6010	11/01/00 18:58	VIK
POTASSIUM	176	13.8	mg/kg dry	SW-846 6010	11/02/00 8:59	VIK
SELENIUM	<2.8	2.8	mg/kg dry	SW-846 6010	11/01/00 18:58	VIK
SILVER	0.41	0.28	mg/kg dry	SW-846 6010	11/01/00 18:58	VIK
SODIUM	<41	41	mg/kg dry	SW-846 6010	11/02/00 8:59	VIK
THALLIUM	<1.4	1.4	mg/kg dry	SW-846 6010	11/01/00 18:58	VIK
VANADIUM	8.68	0.28	mg/kg dry	SW-846 6010	11/01/00 18:58	VIK
ZINC	39.0	0.28	mg/kg dry	SW-846 6010	11/01/00 18:58	VIK

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Sample #: 006
SAMPLE DESCRIPTION: NAVSTA-VAV1-01 GRAB 10/26/00 @1150

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	11/01/00 1:47	CLB
C9-C24	4300	4.0	mg/kg dry	SW846 8015B	11/01/00 1:47	CLB
C24-C36	2100	20	mg/kg dry	SW846 8015B	11/01/00 1:47	CLB

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Approved by:
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Sample #: 007
SAMPLE DESCRIPTION: NAVSTA-VAV1-01 GRAB 10/26/00 @1150

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	1400	26	mg/kg dry	EPA 418.1	11/01/00 15:03	SWM

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Foster Wheeler
Date Received: 10/26/00
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R.I. Analytical

Sample #: 008
SAMPLE DESCRIPTION: NAVSTA-VAV1-01 GRAB 10/26/00 @1150

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	11/02/00 14:35	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	11/02/00 14:35	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14 35	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	11/02/00 14.35	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	11/02/00 14:35	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	11/02/00 14:35	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 14 35	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14.35	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	11/02/00 14:35	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14.35	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	11/02/00 14:35	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/26/00
Work Order # 0010-13084

Approved by:
R.I. Analytical

Sample #: 008

NAVSTA-VAV1-01 GRAB 10/26/00 @1150

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
Toluene	0.004	0.004	mg/kg	5035/8260	11/02/00 14.35	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14.35	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
Vinyl Chloride	<0 004	0.004	mg/kg	5035/8260	11/02/00 14.35	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	11/02/00 14:35	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	11/02/00 14:35	JL
SURROGATES			RANGE	5035/8260	11/02/00 14:35	JL
Dibromofluoromethane	94		80-120%	5035/8260	11/02/00 14:35	JL
Toluene-d8	92		81-117%	5035/8260	11/02/00 14.35	JL
4-Bromofluorobenzene	104		74-121%	5035/8260	11/02/00 14:35	JL
1,2 Dichloroethane-d4	104		80-120%	5035/8260	11/02/00 14:35	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/26/00
Work Order # 0010-13084

Approved by:
R.I. Analytical

Sample #: 009
SAMPLE DESCRIPTION: NAVSTA-VAV1-01 GRAB 10/26/00 @1150

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16.44	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	11/01/00 16 44	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16.44	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16.44	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Fluorene	<0.4	0 4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16.44	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/26/00
Work Order # 0010-13084

Approved by:
R.I. Analytical

Sample #: 009

NAVSTA-VAV1-01 GRAB 10/26/00 @1150

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 16:44	JAH
SURROGATES			RANGE	SW-846 8270	11/01/00 16:44	JAH
Phenol-d5	115		24-113%	SW-846 8270	11/01/00 16:44	JAH
2-Fluorophenol	118		25-121%	SW-846 8270	11/01/00 16:44	JAH
2,4,6-Tribromophenol	100		19-122%	SW-846 8270	11/01/00 16:44	JAH
Nitrobenzene-d5	107		23-120%	SW-846 8270	11/01/00 16:44	JAH
2-Fluorobiphenyl	90		30-115%	SW-846 8270	11/01/00 16:44	JAH
P-Terphenyl-d14	126		18-137%	SW-846 8270	11/01/00 16:44	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/26/00
Work Order # 0010-13084

Approved by:
R.I. Analytical

Sample #: 010
SAMPLE DESCRIPTION: NAVSTA-VAV1-01 GRAB 10/26/00 @1150

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	7760	520	mg/kg dry	SW-846 6010	11/01/00 20:01	VIK
ANTIMONY	<2.6	2.6	mg/kg dry	SW-846 6010	11/01/00 19:02	VIK
ARSENIC	10.4	1.3	mg/kg dry	SW-846 6010	11/01/00 19:02	VIK
BARIUM	12.5	0.065	mg/kg dry	SW-846 6010	11/01/00 19:02	VIK
BERYLLIUM	0.195	0.013	mg/kg dry	SW-846 6010	11/01/00 19:02	VIK
CADMIUM	1.80	0.065	mg/kg dry	SW-846 6010	11/01/00 19:02	VIK
CHROMIUM	9.11	0.39	mg/kg dry	SW-846 6010	11/01/00 19:02	VIK
COBALT	7.46	0.39	mg/kg dry	SW-846 6010	11/01/00 19:02	VIK
COPPER	13.2	0.65	mg/kg dry	SW-846 6010	11/01/00 19:02	VIK
IRON	19800	260	mg/kg dry	SW-846 6010	11/01/00 20:01	VIK
LEAD	17.3	0.52	mg/kg dry	SW-846 6010	11/01/00 19:02	VIK
MAGNESIUM	2490	65	mg/kg dry	SW-846 6010	11/02/00 8:55	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	11/01/00 12:00	RJC
NICKEL	13.7	0.26	mg/kg dry	SW-846 6010	11/01/00 19:02	VIK
POTASSIUM	266	13.0	mg/kg dry	SW-846 6010	11/02/00 8:55	VIK
SELENIUM	<2.6	2.6	mg/kg dry	SW-846 6010	11/01/00 19:02	VIK
SILVER	<0.26	0.26	mg/kg dry	SW-846 6010	11/01/00 19:02	VIK
SODIUM	52	39	mg/kg dry	SW-846 6010	11/02/00 8:55	VIK
THALLIUM	<1.3	1.3	mg/kg dry	SW-846 6010	11/01/00 19:02	VIK
VANADIUM	11.7	0.26	mg/kg dry	SW-846 6010	11/01/00 19:02	VIK
ZINC	44.8	0.26	mg/kg dry	SW-846 6010	11/01/00 19:02	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/26/00
Work Order # 0010-13084

Approved by:
R.I. Analytical

Sample #: 011
SAMPLE DESCRIPTION: PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	11/01/00 0:23	CLB
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	11/01/00 0:23	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	11/01/00 0:23	CLB
TPH IR	<25	25	mg/kg dry	EPA 418.1	11/01/00 15:03	SWM
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	11/02/00 12:59	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	11/02/00 12:59	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	11/02/00 12:59	JL
Chloroform	<0 004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	11/02/00 12:59	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	11/02/00 12:59	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	11/02/00 12:59	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/26/00
Work Order # 0010-13084

Approved by:
R.I. Analytical

Sample #: 011

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	11/02/00 12:59	JL
Naphthalene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12.59	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
1,2,4-Trichlorobenzene	<0.004	0 004	mg/kg	5035/8260	11/02/00 12:59	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 12.59	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	11/02/00 12:59	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	11/02/00 12:59	JL
SURROGATES			RANGE	5035/8260	11/02/00 12:59	JL
Dibromofluoromethane	98		80-120%	5035/8260	11/02/00 12:59	JL
Toluene-d8	101		81-117%	5035/8260	11/02/00 12:59	JL
4-Bromofluorobenzene	106		74-121%	5035/8260	11/02/00 12:59	JL
1,2 Dichloroethane-d4	89		80-120%	5035/8260	11/02/00 12:59	JL
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17.51	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/26/00
Work Order # 0010-13084

Approved by: _____
R.I. Analytical

Sample #: 011

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17.51	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17 51	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17.51	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17.51	JAH
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17.51	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/26/00
Work Order # 0010-13084

Approved by:
R.I. Analytical

Sample #: 011

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/01/00 17:51	JAH
SURROGATES			RANGE	SW-846 8270	11/01/00 17:51	JAH
Phenol-d5	104		24-113%	SW-846 8270	11/01/00 17:51	JAH
2-Fluorophenol	108		25-121%	SW-846 8270	11/01/00 17:51	JAH
2,4,6-Tribromophenol	93		19-122%	SW-846 8270	11/01/00 17:51	JAH
Nitrobenzene-d5	99		23-120%	SW-846 8270	11/01/00 17:51	JAH
2-Fluorobiphenyl	104		30-115%	SW-846 8270	11/01/00 17:51	JAH
P-Terphenyl-d14	156		18-137%	SW-846 8270	11/01/00 17:51	JAH
TOTAL METALS						
ALUMINUM	<1.2	1.2	mg/kg dry	SW-846 6010	11/01/00 18:51	VIK
ANTIMONY	<2.5	2.5	mg/kg dry	SW-846 6010	11/01/00 18:51	VIK
ARSENIC	<1.2	1.2	mg/kg dry	SW-846 6010	11/01/00 18:51	VIK
BARIUM	<0.062	0.062	mg/kg dry	SW-846 6010	11/01/00 18:51	VIK
BERYLLIUM	<0.012	0.012	mg/kg dry	SW-846 6010	11/01/00 18:51	VIK
CADMIUM	<0.062	0.062	mg/kg dry	SW-846 6010	11/01/00 18:51	VIK
CHROMIUM	<0.38	0.38	mg/kg dry	SW-846 6010	11/01/00 18:51	VIK
COBALT	<0.38	0.38	mg/kg dry	SW-846 6010	11/01/00 18:51	VIK
COPPER	<0.62	0.62	mg/kg dry	SW-846 6010	11/01/00 18:51	VIK
IRON	<0.62	0.62	mg/kg dry	SW-846 6010	11/01/00 18:51	VIK
LEAD	<0.50	0.50	mg/kg dry	SW-846 6010	11/01/00 18:51	VIK
MAGNESIUM	<0.62	0.62	mg/kg dry	SW-846 6010	11/01/00 18:51	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	11/01/00 12:00	RJC
NICKEL	<0.25	0.25	mg/kg dry	SW-846 6010	11/01/00 18:51	VIK
POTASSIUM	<12	12	mg/kg dry	SW-846 6010	11/01/00 18:51	VIK
SELENIUM	<2.5	2.5	mg/kg dry	SW-846 6010	11/01/00 18:51	VIK
SILVER	<0.25	0.25	mg/kg dry	SW-846 6010	11/01/00 18:51	VIK
SODIUM	<38	38	mg/kg dry	SW-846 6010	11/01/00 18:51	VIK
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	11/01/00 18:51	VIK
VANADIUM	<0.25	0.25	mg/kg dry	SW-846 6010	11/01/00 18:51	VIK
ZINC	<0.25	0.25	mg/kg dry	SW-846 6010	11/01/00 18:51	VIK

White Copy Original (Accompanies Samples) Yellow Copy – Collector Pink Copy – Customer's Copy

R.I. Analytical Laboratories, Inc.

41 Illinois Avenue
Warwick, RI 02888
Phone: (401) 737-8500
Fax: (401) 738-1970

950 Boylston Street, Unit 102
Newton Highlands, MA 02461
Phone: (617) 965-5133
Fax: (617) 965-5624

CHAIN OF CUSTODY RECORD

Container Type Codes:	Preservative Codes:		Matrix Codes:	
P=Plastic AG=Amber Glass	NP=Non preserved	S=Sulfuric	GW=Groundwater	S=Soil
G=Glass St=Sterile	I=Cooled 4°C	H=HCL	WW=Wastewater	SL=Sludge
V=Vial	N=Nitric	SH=NaOH	DW=Drinking water	A=Air
O=Other (describe)	M=Methanol	SB=NaHSO4	O=Other (describe)	B=Bulk/Solid

Date Collected	Time Collected	Sample ID	G=Grab C=Comp.	Containers # + (code)	Preservative (code)	Matrix (code)	Analysis Request
10/25/00	1130	NAUSM - UCT53 - 02	G	5	I,MSB	S	8270/8260/TAL metals/418.1/8015
10/26/00	1150	NAUSM - UVAI - 01	G	5	I,M,SB	S	8270/8260/TAL metals/418.1/8015

Client Information

Company Name: Foster Wheeler
Address: 195 Burma Rd
City / State / Zip: Portsmouth RI
Phone: 683-5259 Fax:
Contact: J Holden

Project Information

Project Name / Location: Close Fuel line
P.O. Number / Project Number: 0065
Project Manager / Report To: Holden
Sampled by: J Holden
Reference Proposal:

Relinquished by:	Date	Time	Received by:	Date	Time
Joshua Holden	10/26/00	1350	Kelly Carpenter	10/26/00	1350
Kelly Carpenter	10/26/00	1510	Kelly Carpenter	10/26/00	1510

Turn Around Time:

- ☐ Normal
- ☒ 5 business days Surcharges may apply
- ☐ Rush _____ (business days)

Project Comments: Det Limits must meet RIDEM RDEC

RIAL USE ONLY:

- ☒ Pick-Up Only
- ☐ RIAL Sampled
- ☒ Shipped on Ice

RIAL W.O. # 13084

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Foster Wheeler
Attn: Mr. Josh Holden
P.O. Box 4350
Middletown, RI 02842

Date Received: 10/30/00
Date Reported: 11/07/00
P.O. #: 020128
Work Order #: 0010-13241

DESCRIPTION: PROJECT# D065 FUEL LINE

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: NAVSTA-CS-VS1-02 GRAB 10/30/00 @1240

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	120	28	mg/kg dry	EPA 418.1	11/01/00 15:03	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 002
SAMPLE DESCRIPTION: NAVSTA-CS-VS1-02 GRAB 10/30/00 @1240

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	11/03/00 16:11	NPV
C9-C24	50	4.0	mg/kg dry	SW846 8015B	11/03/00 16:11	NPV
C24-C36	51	20	mg/kg dry	SW846 8015B	11/03/00 16:11	NPV

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by: R.I. Analytical

Sample #: 003
SAMPLE DESCRIPTION: NAVSTA-CS-VS1-02 GRAB 10/30/00 @1240

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	11/07/00 11:13	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	11/07/00 11:13	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	11/07/00 11:13	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	11/07/00 11:13	JL
2-Chlorotoluene	<0.004	0 004	mg/kg	5035/8260	11/07/00 11:13	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	11/07/00 11:13	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	11/07/00 11:13	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11.13	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/07/00 11.13	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11.13	JL
Isopropylbenzene	<0.004	0 004	mg/kg	5035/8260	11/07/00 11:13	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	11/07/00 11:13	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 003

NAVSTA-CS-VS1-02 GRAB 10/30/00 @1240

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	11/07/00 11:13	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	11/07/00 11:13	JL
SURROGATES			RANGE	5035/8260	11/07/00 11:13	JL
Dibromofluoromethane	103		80-120%	5035/8260	11/07/00 11:13	JL
Toluene-d8	98		81-117%	5035/8260	11/07/00 11:13	JL
4-Bromofluorobenzene	99		74-121%	5035/8260	11/07/00 11:13	JL
1,2 Dichloroethane-d4	101		80-120%	5035/8260	11/07/00 11:13	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 004
SAMPLE DESCRIPTION: NAVSTA-CS-VS1-02 GRAB 10/30/00 @1240

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Benzo(a)anthracene	0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Benzo(b)fluoranthene	0.6	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Benzo(a)pyrene	0.2	0.2	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Chrysene	0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Fluoranthene	0.8	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
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Sample #: 004

NAVSTA-CS-VS1-02 GRAB 10/30/00 @1240

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Phenanthrene	0.6	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Pyrene	1.0	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 17:47	JAH
SURROGATES			RANGE	SW-846 8270	11/03/00 17:47	JAH
Phenol-d5	58		24-113%	SW-846 8270	11/03/00 17:47	JAH
2-Fluorophenol	114		25-121%	SW-846 8270	11/03/00 17:47	JAH
2,4,6-Tribromophenol	98		19-122%	SW-846 8270	11/03/00 17:47	JAH
Nitrobenzene-d5	86		23-120%	SW-846 8270	11/03/00 17:47	JAH
2-Fluorobiphenyl	91		30-115%	SW-846 8270	11/03/00 17:47	JAH
P-Terphenyl-d14	150		18-137%	SW-846 8270	11/03/00 17:47	JAH

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Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by: R.I. Analytical

Sample #: 005
SAMPLE DESCRIPTION: NAVSTA-CS-VS1-02 GRAB 10/30/00 @1240

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	9555	240	mg/kg dry	SW-846 6010	11/03/00 21:01	VIK
ANTIMONY	<2.3	2.3	mg/kg dry	SW-846 6010	11/03/00 20:27	VIK
ARSENIC	25.8	1.2	mg/kg dry	SW-846 6010	11/03/00 20:27	VIK
BARIUM	11.3	0.058	mg/kg dry	SW-846 6010	11/03/00 20:27	VIK
BERYLLIUM	0.293	0.012	mg/kg dry	SW-846 6010	11/03/00 20:27	VIK
CADMIUM	1.80	0.058	mg/kg dry	SW-846 6010	11/03/00 20:27	VIK
CHROMIUM	11.8	0.35	mg/kg dry	SW-846 6010	11/03/00 20:27	VIK
COBALT	10.8	0.35	mg/kg dry	SW-846 6010	11/03/00 20:27	VIK
COPPER	12.4	0.58	mg/kg dry	SW-846 6010	11/03/00 20:27	VIK
IRON	26230	116	mg/kg dry	SW-846 6010	11/03/00 21:01	VIK
LEAD	19.0	0.47	mg/kg dry	SW-846 6010	11/03/00 20:27	VIK
MAGNESIUM	2295	5.8	mg/kg dry	SW-846 6010	11/03/00 23:43	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	11/06/00 16.40	RJC
NICKEL	19.8	0.23	mg/kg dry	SW-846 6010	11/03/00 20:27	VIK
POTASSIUM	152	12	mg/kg dry	SW-846 6010	11/03/00 23:15	VIK
SELENIUM	<2.3	2.3	mg/kg dry	SW-846 6010	11/03/00 20:27	VIK
SILVER	0.35	0.23	mg/kg dry	SW-846 6010	11/03/00 20:27	VIK
SODIUM	146	35	mg/kg dry	SW-846 6010	11/03/00 23:15	VIK
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	11/03/00 20:27	VIK
VANADIUM	12.9	0.23	mg/kg dry	SW-846 6010	11/03/00 20:27	VIK
ZINC	53.3	0.23	mg/kg dry	SW-846 6010	11/03/00 20:27	VIK

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Sample #: 006
SAMPLE DESCRIPTION: NAVSTA-CS-VS1-01 GRAB 10/30/00 @1215

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	80	29	mg/kg dry	EPA 418.1	11/01/00 15:03	SWM

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Sample #: 007
SAMPLE DESCRIPTION: NAVSTA-CS-VS1-01 GRAB 10/30/00 @1215

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	11/03/00 16:53	NPV
C9-C24	150	4.0	mg/kg dry	SW846 8015B	11/03/00 16:53	NPV
C24-C36	93	20	mg/kg dry	SW846 8015B	11/03/00 16:53	NPV

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Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 008
SAMPLE DESCRIPTION: NAVSTA-CS-VS1-01 GRAB 10/30/00 @1215

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	11/07/00 12:06	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	11/07/00 12:06	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	11/07/00 12:06	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	11/07/00 12:06	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	11/07/00 12:06	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	11/07/00 12:06	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	11/07/00 12:06	JL

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Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 008

NAVSTA-CS-VS1-01 GRAB 10/30/00 @1215

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:06	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	11/07/00 12:06	JL
SURROGATES			RANGE	5035/8260	11/07/00 12:06	JL
Dibromofluoromethane	110		80-120%	5035/8260	11/07/00 12:06	JL
Toluene-d8	109		81-117%	5035/8260	11/07/00 12:06	JL
4-Bromofluorobenzene	99		74-121%	5035/8260	11/07/00 12:06	JL
1,2 Dichloroethane-d4	97		80-120%	5035/8260	11/07/00 12:06	JL

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Foster Wheeler
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Approved by:
R.I. Analytical

Sample #: 009
SAMPLE DESCRIPTION: NAVSTA-CS-VS1-01 GRAB 10/30/00 @1215

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by: _____
R.I. Analytical

Sample #: 009

NAVSTA-CS-VS1-01 GRAB 10/30/00 @1215

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Pyrene	0.5	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 18:38	JAH
SURROGATES			RANGE	SW-846 8270	11/03/00 18:38	JAH
Phenol-d5	59		24-113%	SW-846 8270	11/03/00 18:38	JAH
2-Fluorophenol	107		25-121%	SW-846 8270	11/03/00 18:38	JAH
2,4,6-Tribromophenol	82		19-122%	SW-846 8270	11/03/00 18:38	JAH
Nitrobenzene-d5	75		23-120%	SW-846 8270	11/03/00 18:38	JAH
2-Fluorobiphenyl	83		30-115%	SW-846 8270	11/03/00 18:38	JAH
P-Terphenyl-d14	116		18-137%	SW-846 8270	11/03/00 18:38	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 010
SAMPLE DESCRIPTION: NAVSTA-CS-VS1-01 GRAB 10/30/00 @1215

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	4090	240	mg/kg dry	SW-846 6010	11/03/00 20:57	VIK
ANTIMONY	<2.4	2.4	mg/kg dry	SW-846 6010	11/03/00 18:59	VIK
ARSENIC	13.0	1.2	mg/kg dry	SW-846 6010	11/03/00 18:59	VIK
BARIUM	5.19	0.059	mg/kg dry	SW-846 6010	11/03/00 18:59	VIK
BERYLLIUM	0.106	0.012	mg/kg dry	SW-846 6010	11/03/00 18:59	VIK
CADMIUM	0.910	0.059	mg/kg dry	SW-846 6010	11/03/00 18:59	VIK
CHROMIUM	5.08	0.35	mg/kg dry	SW-846 6010	11/03/00 18:59	VIK
COBALT	3.66	0.35	mg/kg dry	SW-846 6010	11/03/00 18:59	VIK
COPPER	7.68	0.59	mg/kg dry	SW-846 6010	11/03/00 18:59	VIK
IRON	13600	118	mg/kg dry	SW-846 6010	11/03/00 20:57	VIK
LEAD	14.9	0.47	mg/kg dry	SW-846 6010	11/03/00 18:59	VIK
MAGNESIUM	863	5.9	mg/kg dry	SW-846 6010	11/03/00 23:40	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	11/06/00 9:23	RJC
NICKEL	8.16	0.24	mg/kg dry	SW-846 6010	11/03/00 18:59	VIK
POTASSIUM	70	12	mg/kg dry	SW-846 6010	11/03/00 23:08	VIK
SELENIUM	<2.4	2.4	mg/kg dry	SW-846 6010	11/03/00 18:59	VIK
SILVER	<0.24	0.24	mg/kg dry	SW-846 6010	11/03/00 18:59	VIK
SODIUM	<35	35	mg/kg dry	SW-846 6010	11/03/00 23:08	VIK
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	11/03/00 18:59	VIK
VANADIUM	5.44	0.24	mg/kg dry	SW-846 6010	11/03/00 18:59	VIK
ZINC	76.1	0.24	mg/kg dry	SW-846 6010	11/03/00 18:59	VIK

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Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 011
SAMPLE DESCRIPTION: NAVSTA-CS-VAV2-01 GRAB 10/30/00 @0750

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	23000	29	mg/kg dry	EPA 418.1	11/01/00 15:03	SWM

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Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 012.
SAMPLE DESCRIPTION: NAVSTA-CS-VAV2-01 GRAB 10/30/00 @0750

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	11/03/00 17:36	NPV
C9-C24	35000	4.0	mg/kg dry	SW846 8015B	11/03/00 17.36	NPV
C24-C36	63	20	mg/kg dry	SW846 8015B	11/03/00 17:36	NPV

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by: _____
R.I. Analytical

Sample #: 013.
SAMPLE DESCRIPTION: NAVSTA-CS-VAV2-01 GRAB 10/30/00 @0750

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
Bromobenzene	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
Bromochloromethane	<0.8	0.8	mg/kg	5035/8260	11/07/00 2:11	JL
Bromodichloromethane	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
Bromoform	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
Bromomethane	<2	2	mg/kg	5035/8260	11/07/00 2:11	JL
n-Butylbenzene	9.8	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
sec-Butylbenzene	4.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
tert-Butylbenzene	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
Carbon Tetrachloride	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
Chlorobenzene	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
Chloroethane	<1	1	mg/kg	5035/8260	11/07/00 2:11	JL
Chloroform	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
Chloromethane	<1	1	mg/kg	5035/8260	11/07/00 2:11	JL
2-Chlorotoluene	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
4-Chlorotoluene	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
Dibromochloromethane	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
1,2-Dibromo-3-Chloropropane	<0.8	0.8	mg/kg	5035/8260	11/07/00 2:11	JL
1,2-Dibromoethane(EDB)	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
Dibromomethane	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
1,2-Dichlorobenzene	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
1,3-Dichlorobenzene	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
1,4-Dichlorobenzene	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
Dichlorodifluoromethane	<1	1	mg/kg	5035/8260	11/07/00 2:11	JL
1,1-Dichloroethane	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
1,2-Dichloroethane	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
1,1-Dichloroethene	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
cis-1,2-Dichloroethene	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
trans-1,2-Dichloroethene	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
1,2-Dichloropropane	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
1,3-Dichloropropane	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
2,2-Dichloropropane	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
1,1-Dichloropropene	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
Ethylbenzene	7.8	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
Hexachlorobutadiene	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
Isopropylbenzene	3.1	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
p-Isopropyltoluene	5.2	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
Methylene Chloride	<1	1	mg/kg	5035/8260	11/07/00 2:11	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 013

NAVSTA-CS-VAV2-01 GRAB 10/30/00 @0750

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
n-Propylbenzene	7.3	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
Styrene	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
1,1,1,2-Tetrachloroethane	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
1,1,2,2-Tetrachloroethane	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
Tetrachloroethene	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
Toluene	8.5	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
1,2,3-Trichlorobenzene	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
1,1,1-Trichloroethane	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
1,1,2-Trichloroethane	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
Trichloroethene	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
Trichlorofluoromethane	<0 4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
1,2,3-Trichloropropane	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
1,2,4-Trimethylbenzene	110	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
1,3,5-Trimethylbenzene	25	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
Vinyl Chloride	<0.4	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
o-Xylene	19	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
m&p-Xylene	41	0.4	mg/kg	5035/8260	11/07/00 2:11	JL
MTBE	<0.8	0.8	mg/kg	5035/8260	11/07/00 2:11	JL
SURROGATES			RANGE	5035/8260	11/07/00 2:11	JL
Dibromofluoromethane	97		80-120%	5035/8260	11/07/00 2:11	JL
Toluene-d8	104		81-117%	5035/8260	11/07/00 2:11	JL
4-Bromofluorobenzene	100		74-121%	5035/8260	11/07/00 2:11	JL
1,2 Dichloroethane-d4	92		80-120%	5035/8260	11/07/00 2:11	JL

Method 5035: Detection limits increased as a result of sample dilution. Sample dilution required to achieve target compound response within the calibration range of the analysis.

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 014.
SAMPLE DESCRIPTION: NAVSTA-CS-VAV2-01 GRAB 10/30/00 @0750

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Acenaphthylene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Anthracene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Benzidine	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Benzo(a)anthracene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Benzo(b)fluoranthene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Benzo(k)fluoranthene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Benzo(g,h,i)perylene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Benzo(a)pyrene	<2	2	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Bis(2-chloroethyl)ether	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Bis(2-Chloroethoxy)methane	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
bis(2-chloroisopropyl)ether	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Bis(2-ethylhexyl)phthalate	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
4-Bromophenyl phenyl ether	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Butylbenzyl phthalate	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
2-Chloronaphthalene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
4-Chlorophenyl phenyl ether	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Chrysene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Dibenzo(a,h)anthracene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
1,2-Dichlorobenzene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
1,3-Dichlorobenzene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
1,4-Dichlorobenzene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
3,3'-Dichlorobenzidine	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Diethyl phthalate	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Dimethyl phthalate	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
2,4-Dinitrotoluene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
2,6-Dinitrotoluene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Di-n-octyl phthalate	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
1,2-Diphenylhydrazine	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Fluoranthene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Fluorene	9	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Hexachlorobenzene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Hexachlorobutadiene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Hexachlorocyclopentadiene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Hexachloroethane	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Indeno(1,2,3-cd)pyrene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Isophorone	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Naphthalene	17	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 014

NAVSTA-CS-VAV2-01 GRAB 10/30/00 @0750

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
N-nitrosodimethylamine	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
N-nitrosodiphenylamine	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
N-nitrosodi-n-propylamine	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Phenanthrene	15	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Pyrene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
1,2,4-Trichlorobenzene	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
4-Chloro-3-methylphenol	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
2-Chlorophenol	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
2,4-Dichlorophenol	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
2,4-Dimethylphenol	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
2-Methyl-4,6-dinitrophenol	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
2,4-Dinitrophenol	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
2-Nitrophenol	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
4-Nitrophenol	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Pentachlorophenol	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
Phenol	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
2,4,6-Trichlorophenol	<4	4	mg/kg dry	SW-846 8270	11/06/00 12:07	JAH
SURROGATES			RANGE	SW-846 8270	11/06/00 12:07	JAH
Phenol-d5	40		24-113%	SW-846 8270	11/06/00 12:07	JAH
2-Fluorophenol	71		25-121%	SW-846 8270	11/06/00 12:07	JAH
2,4,6-Tribromophenol	68		19-122%	SW-846 8270	11/06/00 12:07	JAH
Nitrobenzene-d5	48		23-120%	SW-846 8270	11/06/00 12:07	JAH
2-Fluorobiphenyl	131		30-115%	SW-846 8270	11/06/00 12:07	JAH
P-Terphenyl-d14	105		18-137%	SW-846 8270	11/06/00 12:07	JAH

Method 8270: Detection limits increased as a result of sample dilution. Sample dilution required to achieve target compound response within the calibration range of the analysis.

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 015
SAMPLE DESCRIPTION: NAVSTA-CS-VAV2-01 GRAB 10/30/00 @0750

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	13550	220	mg/kg dry	SW-846 6010	11/03/00 20:54	VIK
ANTIMONY	2.3	2.3	mg/kg dry	SW-846 6010	11/03/00 18:55	VIK
ARSENIC	13.6	1.1	mg/kg dry	SW-846 6010	11/03/00 18:55	VIK
BARIUM	10.2	0.056	mg/kg dry	SW-846 6010	11/03/00 18:55	VIK
BERYLLIUM	0.249	0.011	mg/kg dry	SW-846 6010	11/03/00 18:55	VIK
CADMIUM	2.10	0.056	mg/kg dry	SW-846 6010	11/03/00 18:55	VIK
CHROMIUM	10.8	0.34	mg/kg dry	SW-846 6010	11/03/00 18:55	VIK
COBALT	9.39	0.34	mg/kg dry	SW-846 6010	11/03/00 18:55	VIK
COPPER	15.8	0.56	mg/kg dry	SW-846 6010	11/03/00 18:55	VIK
IRON	33000	113	mg/kg dry	SW-846 6010	11/03/00 20.54	VIK
LEAD	6350	92	mg/kg dry	SW-846 6010	11/03/00 20:54	VIK
MAGNESIUM	3190	5.6	mg/kg dry	SW-846 6010	11/03/00 23:37	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	11/06/00 9:23	RJC
NICKEL	18.8	0.23	mg/kg dry	SW-846 6010	11/03/00 18:55	VIK
POTASSIUM	147	11	mg/kg dry	SW-846 6010	11/03/00 23:05	VIK
SELENIUM	<2.3	2.3	mg/kg dry	SW-846 6010	11/03/00 18:55	VIK
SILVER	0.45	0.23	mg/kg dry	SW-846 6010	11/03/00 18:55	VIK
SODIUM	<34	34	mg/kg dry	SW-846 6010	11/03/00 23:05	VIK
THALLIUM	<1.1	1.1	mg/kg dry	SW-846 6010	11/03/00 18.55	VIK
VANADIUM	17.6	0.23	mg/kg dry	SW-846 6010	11/03/00 18:55	VIK
ZINC	123	0.23	mg/kg dry	SW-846 6010	11/03/00 18:55	VIK

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 016
SAMPLE DESCRIPTION: NAVSTA-CS-VE16-01 GRAB 10/30/00 @1435

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	190	28	mg/kg dry	EPA 418.1	11/01/00 15:03	SWM

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Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by: R.I. Analytical

Sample #: 017
SAMPLE DESCRIPTION: NAVSTA-CS-VE16-01 GRAB 10/30/00 @1435

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	11/03/00 18:19	NPV
C9-C24	150	4.0	mg/kg dry	SW846 8015B	11/03/00 18:19	NPV
C24-C36	330	20	mg/kg dry	SW846 8015B	11/03/00 18:19	NPV

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Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 018.
SAMPLE DESCRIPTION: NAVSTA-CS-VE16-01 GRAB 10/30/00 @1435

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	11/07/00 12:53	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	11/07/00 12:53	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	11/07/00 12:53	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	11/07/00 12:53	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	11/07/00 12:53	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	11/07/00 12:53	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
p-Isopropyltoluene	<0 004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	11/07/00 12:53	JL

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 018

NAVSTA-CS-VE16-01 GRAB 10/30/00 @1435

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	11/07/00 12:53	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	11/07/00 12:53	JL
SURROGATES			RANGE	5035/8260	11/07/00 12:53	JL
Dibromofluoromethane	108		80-120%	5035/8260	11/07/00 12:53	JL
Toluene-d8	105		81-117%	5035/8260	11/07/00 12:53	JL
4-Bromofluorobenzene	92		74-121%	5035/8260	11/07/00 12:53	JL
1,2 Dichloroethane-d4	111		80-120%	5035/8260	11/07/00 12:53	JL

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by: _____
R.I. Analytical

Sample #: 019.
SAMPLE DESCRIPTION: NAVSTA-CS-VE16-01 GRAB 10/30/00 @1435

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Benzo(a)anthracene	<0 4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by: R.I. Analytical

Sample #: 019

NAVSTA-CS-VE16-01 GRAB 10/30/00 @1435

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 19:30	JAH
SURROGATES			RANGE	SW-846 8270	11/03/00 19:30	JAH
Phenol-d5	54		24-113%	SW-846 8270	11/03/00 19:30	JAH
2-Fluorophenol	93		25-121%	SW-846 8270	11/03/00 19:30	JAH
2,4,6-Tribromophenol	66		19-122%	SW-846 8270	11/03/00 19:30	JAH
Nitrobenzene-d5	78		23-120%	SW-846 8270	11/03/00 19:30	JAH
2-Fluorobiphenyl	84		30-115%	SW-846 8270	11/03/00 19:30	JAH
P-Terphenyl-d14	140		18-137%	SW-846 8270	11/03/00 19:30	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 020
SAMPLE DESCRIPTION: NAVSTA-CS-VE16-01 GRAB 10/30/00 @1435

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	6470	240	mg/kg dry	SW-846 6010	11/03/00 21:05	VIK
ANTIMONY	<2.3	2.3	mg/kg dry	SW-846 6010	11/03/00 20:31	VIK
ARSENIC	16.2	1.2	mg/kg dry	SW-846 6010	11/03/00 20:31	VIK
BARIUM	13.0	0.058	mg/kg dry	SW-846 6010	11/03/00 20:31	VIK
BERYLLIUM	0.267	0.012	mg/kg dry	SW-846 6010	11/03/00 20:31	VIK
CADMIUM	2.02	0.058	mg/kg dry	SW-846 6010	11/03/00 20:31	VIK
CHROMIUM	7.42	0.35	mg/kg dry	SW-846 6010	11/03/00 20:31	VIK
COBALT	14.4	0.35	mg/kg dry	SW-846 6010	11/03/00 20:31	VIK
COPPER	16.6	0.58	mg/kg dry	SW-846 6010	11/03/00 20:31	VIK
IRON	26200	116	mg/kg dry	SW-846 6010	11/03/00 21:05	VIK
LEAD	7.19	0.46	mg/kg dry	SW-846 6010	11/03/00 20:31	VIK
MAGNESIUM	1800	5.8	mg/kg dry	SW-846 6010	11/03/00 23:47	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	11/06/00 9:23	RJC
NICKEL	24.2	0.23	mg/kg dry	SW-846 6010	11/03/00 20:31	VIK
POTASSIUM	452	12	mg/kg dry	SW-846 6010	11/03/00 23:18	VIK
SELENIUM	<2.3	2.3	mg/kg dry	SW-846 6010	11/03/00 20:31	VIK
SILVER	<0.23	0.23	mg/kg dry	SW-846 6010	11/03/00 20:31	VIK
SODIUM	<35	35	mg/kg dry	SW-846 6010	11/03/00 23 18	VIK
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	11/03/00 20:31	VIK
VANADIUM	8.70	0.23	mg/kg dry	SW-846 6010	11/03/00 20:31	VIK
ZINC	35.7	0.23	mg/kg dry	SW-846 6010	11/03/00 20:31	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 021
SAMPLE DESCRIPTION: NAVSTA-CS-VE22-01 GRAB 10/30/00 @1510

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	3000	29	mg/kg dry	EPA 418.1	11/01/00 15:03	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 022
SAMPLE DESCRIPTION: NAVSTA-CS-VE22-01 GRAB 10/30/00 @1510

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	11/03/00 19:02	NPV
C9-C24	1100	4.0	mg/kg dry	SW846 8015B	11/03/00 19:02	NPV
C24-C36	140	20	mg/kg dry	SW846 8015B	11/03/00 19:02	NPV

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 023
SAMPLE DESCRIPTION: NAVSTA-CS-VE22-01 GRAB 10/30/00 @1510

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	11/07/00 13:39	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
Bromoform	<0.004	0.004	mg/kg	5035/8250	11/07/00 13:39	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	11/07/00 13:39	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
sec-Butylbenzene	0.117	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	11/07/00 13 39	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	11/07/00 13:39	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	11/07/00 13:39	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	11/07/00 13:39	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13.39	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	11/07/00 13:39	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13.39	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
Ethylbenzene	<0 004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	11/07/00 13:39	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by: R.I. Analytical

Sample #: 023

NAVSTA-CS-VE22-01 GRAB 10/30/00 @1510

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
n-Propylbenzene	0.023	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	11/07/00 13:39	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	11/07/00 13:39	JL
SURROGATES			RANGE	5035/8260	11/07/00 13:39	JL
Dibromofluoromethane	115		80-120%	5035/8260	11/07/00 13:39	JL
Toluene-d8	91		81-117%	5035/8260	11/07/00 13:39	JL
4-Bromofluorobenzene	105		74-121%	5035/8260	11/07/00 13:39	JL
1,2 Dichloroethane-d4	107		80-120%	5035/8260	11/07/00 13:39	JL

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 024
SAMPLE DESCRIPTION: NAVSTA-CS-VE22-01 GRAB 10/30/00 @1510

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21.13	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21 13	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21 13	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21 13	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by: R.I. Analytical

Sample #: 024

NAVSTA-CS-VE22-01 GRAB 10/30/00 @1510

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Phenanthrene	0.6	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 21:13	JAH
SURROGATES			RANGE	SW-846 8270	11/03/00 21:13	JAH
Phenol-d5	54		24-113%	SW-846 8270	11/03/00 21:13	JAH
2-Fluorophenol	95		25-121%	SW-846 8270	11/03/00 21:13	JAH
2,4,6-Tribromophenol	59		19-122%	SW-846 8270	11/03/00 21:13	JAH
Nitrobenzene-d5	55		23-120%	SW-846 8270	11/03/00 21:13	JAH
2-Fluorobiphenyl	88		30-115%	SW-846 8270	11/03/00 21:13	JAH
P-Terphenyl-d14	110		18-137%	SW-846 8270	11/03/00 21:13	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 025
SAMPLE DESCRIPTION: NAVSTA-CS-VE22-01 GRAB 10/30/00 @1510

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	7600	220	mg/kg dry	SW-846 6010	11/03/00 21:20	VIK
ANTIMONY	<2.2	2.2	mg/kg dry	SW-846 6010	11/03/00 20:38	VIK
ARSENIC	14.5	1.1	mg/kg dry	SW-846 6010	11/03/00 20:38	VIK
BARIUM	12.9	0.056	mg/kg dry	SW-846 6010	11/03/00 20:38	VIK
BERYLLIUM	0.290	0.011	mg/kg dry	SW-846 6010	11/03/00 20:38	VIK
CADMIUM	1.78	0.056	mg/kg dry	SW-846 6010	11/03/00 20:38	VIK
CHROMIUM	7.58	0.33	mg/kg dry	SW-846 6010	11/03/00 20:38	VIK
COBALT	11.2	0.33	mg/kg dry	SW-846 6010	11/03/00 20:38	VIK
COPPER	14.0	0.56	mg/kg dry	SW-846 6010	11/03/00 20:38	VIK
IRON	23840	112	mg/kg dry	SW-846 6010	11/03/00 21:20	VIK
LEAD	9.02	0.44	mg/kg dry	SW-846 6010	11/03/00 20:38	VIK
MAGNESIUM	2500	5.6	mg/kg dry	SW-846 6010	11/03/00 23:53	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	11/06/00 9:23	RJC
NICKEL	20.8	0.22	mg/kg dry	SW-846 6010	11/03/00 20:38	VIK
POTASSIUM	400	11	mg/kg dry	SW-846 6010	11/03/00 23:24	VIK
SELENIUM	<2.2	2.2	mg/kg dry	SW-846 6010	11/03/00 20:38	VIK
SILVER	<0.22	0.22	mg/kg dry	SW-846 6010	11/03/00 20:38	VIK
SODIUM	<33	33	mg/kg dry	SW-846 6010	11/03/00 23:24	VIK
THALLIUM	<1.1	1.1	mg/kg dry	SW-846 6010	11/03/00 20:38	VIK
VANADIUM	10.0	0.22	mg/kg dry	SW-846 6010	11/03/00 20:38	VIK
ZINC	33.2	0.22	mg/kg dry	SW-846 6010	11/03/00 20:38	VIK

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 026
SAMPLE DESCRIPTION: PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<25	25	mg/kg dry	EPA 418.1	11/01/00 15:03	SWM
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	11/03/00 15:28	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	11/03/00 15:28	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	11/03/00 15:28	NPV
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	11/07/00 10:27	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	11/07/00 10:27	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	11/07/00 10:27	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	11/07/00 10:27	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	11/07/00 10:27	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	11/07/00 10:27	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by: R.I. Analytical

Sample #: 026

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	11/07/00 10:27	JL
Naphthalene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
1,2,4-Trichlorobenzene	<0 004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	11/07/00 10:27	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	11/07/00 10:27	JL
SURROGATES			RANGE	5035/8260	11/07/00 10:27	JL
Dibromofluoromethane	107		80-120%	5035/8260	11/07/00 10:27	JL
Toluene-d8	106		81-117%	5035/8260	11/07/00 10:27	JL
4-Bromofluorobenzene	100		74-121%	5035/8260	11/07/00 10:27	JL
1,2 Dichloroethane-d4	110		80-120%	5035/8260	11/07/00 10:27	JL
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13 02	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13.02	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13.02	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13.02	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13·02	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13.02	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13.02	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by: R.I. Analytical

Sample #: 026

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Benzo(g,h,i)perylene	<0 4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13.02	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13.02	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13·02	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13.02	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13·02	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13 02	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13.02	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13·02	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13.02	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13.02	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13·02	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13.02	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13.02	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13.02	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 10/30/00
Work Order # 0010-13241

Approved by:
R.I. Analytical

Sample #: 026

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PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13 02	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13:02	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/03/00 13.02	JAH
SURROGATES			RANGE	SW-846 8270	11/03/00 13:02	JAH
Phenol-d5	92		24-113%	SW-846 8270	11/03/00 13:02	JAH
2-Fluorophenol	97		25-121%	SW-846 8270	11/03/00 13:02	JAH
2,4,6-Tribromophenol	102		19-122%	SW-846 8270	11/03/00 13:02	JAH
Nitrobenzene-d5	92		23-120%	SW-846 8270	11/03/00 13:02	JAH
2-Fluorobiphenyl	109		30-115%	SW-846 8270	11/03/00 13:02	JAH
P-Terphenyl-d14	94		18-137%	SW-846 8270	11/03/00 13:02	JAH
TOTAL METALS						
ALUMINUM	<1.2	1.2	mg/kg dry	SW-846 6010	11/03/00 18:23	VIK
ANTIMONY	<2.5	2.5	mg/kg dry	SW-846 6010	11/03/00 18:23	VIK
ARSENIC	<1.2	1.2	mg/kg dry	SW-846 6010	11/03/00 18:23	VIK
BARIUM	<0.062	0.062	mg/kg dry	SW-846 6010	11/03/00 18:23	VIK
BERYLLIUM	<0.012	0.012	mg/kg dry	SW-846 6010	11/03/00 18:23	VIK
CADMIUM	<0.062	0.062	mg/kg dry	SW-846 6010	11/03/00 18:23	VIK
CHROMIUM	<0.38	0.38	mg/kg dry	SW-846 6010	11/03/00 18:23	VIK
COBALT	<0.38	0.38	mg/kg dry	SW-846 6010	11/03/00 18:23	VIK
COPPER	<0.62	0.62	mg/kg dry	SW-846 6010	11/03/00 18:23	VIK
IRON	<0.62	0.62	mg/kg dry	SW-846 6010	11/03/00 18:23	VIK
LEAD	<0.50	0.50	mg/kg dry	SW-846 6010	11/03/00 18:23	VIK
MAGNESIUM	<0.62	0.62	mg/kg dry	SW-846 6010	11/03/00 22:58	VIK
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	11/06/00 9:23	RJC
NICKEL	<0.25	0.25	mg/kg dry	SW-846 6010	11/03/00 18:23	VIK
POTASSIUM	<12	12	mg/kg dry	SW-846 6010	11/03/00 22:58	VIK
SELENIUM	<2.5	2.5	mg/kg dry	SW-846 6010	11/03/00 18.23	VIK
SILVER	<0.25	0.25	mg/kg dry	SW-846 6010	11/03/00 18.23	VIK
SODIUM	<38	38	mg/kg dry	SW-846 6010	11/03/00 22:58	VIK
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	11/03/00 18 23	VIK
VANADIUM	<0.25	0.25	mg/kg dry	SW-846 6010	11/03/00 18:23	VIK
ZINC	<0.25	0.25	mg/kg dry	SW-846 6010	11/03/00 18:23	VIK

White Copy Original (Accompanies Samples) Yellow Copy – Collector Pink Copy – Customer's Copy

R.I. Analytical Laboratories, Inc.

41 Illinois Avenue
Warwick, RI 02888
Phone: (401) 737-8500
Fax: (401) 738-1970

950 Boylston Street, Unit 102
Newton Highlands, MA 02461
Phone: (617) 965-5133
Fax: (617) 965-5624

CHAIN OF CUSTODY RECORD

Page 1 of 1

Container Type Codes:	Preservative Codes:		Matrix Codes:	
P=Plastic AG=Amber Glass	NP=Non preserved	S=Sulfuric	GW=Groundwater	S=Soil
G=Glass St=Sterile	I=Cooled 4°C	H=HCL	WW=Wastewater	Sl=Sludge
V=Vial	N=Nitric	SH=NaOH	DW=Drinking water	A=Air
O=Other (describe)	M=Methanol	SB=NaHSO4	O=Other (describe)	B=Bulk/Solid

Date Collected	Time Collected	Sample ID	G=Grab C=Comp.	Containers # + (code)	Preservative (code)	Matrix (code)	Analysis Request
10/26/00	1240	NAVSTA-VS1-02	G	3V, 2G	H, M, SB	S	8260/8270/TAL metals/418.1/8015
↓	1215	-VS1-01	↓	↓	↓	↓	↓
	0950	-VAV2-01					
↓	1435	-VE16-01	↓	↓	↓	↓	↓
10/30/00	1510	NAVSTA-CS-VE22-01	G	3V, 2G	H, M, SB	S	8260/8270/TAL metals/418.1/8015

Client Information

Company Name:	FWENC
Address:	195 Bonna Rd
City / State / Zip:	Portsmouth, RI
Phone:	Fax:
Contact:	Heller

Project Information

Project Name / Location:	DOT Fuel Line
P.O Number / Project Number:	
Project Manager / Report To:	Heller
Sampled by:	Lone
Reference Proposal:	

Relinquished by:	Date	Time	Received by:	Date	Time
	10/30/00	1615	Kelly Carpenter	10/30/00	1615
Kelly Carpenter	10/30/00	1705	Lesley A Cox	10/30/00	1705

Turn Around Time:

- [x] Normal
- [ ] 5 business days — Surcharges may apply
- [ ] Rush _____ (business days)

Project Comments:

Low VOCs,

RIAL USE ONLY:

- [x] Pick-Up Only
- [ ] RIAL Sampled
- [x] Shipped on Ice

RIAL W.O. # 1374

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Foster Wheeler
Attn: Mr. Josh Holden
P.O. Box 4350
Middletown, RI 02842

Date Received: 11/02/00
Date Reported: 11/09/00
P.O. #:
Work Order #: 0011-13425

DESCRIPTION: PROJECT# DO65 FUEL LINE CLOSURE

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President

enc: Chain of Custody

Paul Perrotti
Data Reporting Manager

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: NAVSTA-CS-VV3-01 GRAB 11/01/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<27	27	mg/kg dry	EPA 418.1	11/03/00 17:43	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 002
SAMPLE DESCRIPTION: NAVSTA-CS-VV3-01 GRAB 11/01/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	11/07/00 15:38	NPV
C9-C24	76	4.0	mg/kg dry	SW846 8015B	11/07/00 15:38	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	11/07/00 15:38	NPV

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by: R.I. Analytical

Sample #: 003
SAMPLE DESCRIPTION: NAVSTA-CS-VV3-01 GRAB 11/01/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	11/09/00 11:50	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	11/09/00 11:50	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	11/09/00 11:50	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	11/09/00 11:50	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	11/09/00 11:50	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	11/09/00 11:50	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	11/09/00 11:50	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 003

NAVSTA-CS-VV3-01 GRAB 11/01/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 11.50	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11.50	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 11.50	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	11/09/00 11.50	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11.50	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	11/09/00 11:50	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	11/09/00 11:50	JL
SURROGATES			RANGE	5035/8260	11/09/00 11:50	JL
Dibromofluoromethane	97		80-120%	5035/8260	11/09/00 11:50	JL
Toluene-d8	100		81-117%	5035/8260	11/09/00 11:50	JL
4-Bromofluorobenzene	108		74-121%	5035/8260	11/09/00 11:50	JL
1,2 Dichloroethane-d4	103		80-120%	5035/8260	11/09/00 11:50	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by: R.I. Analytical

Sample #: 004
SAMPLE DESCRIPTION: NAVSTA-CS-VV3-01 GRAB 11/01/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 004.

NAVSTA-CS-VV3-01 GRAB 11/01/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 14:26	JAH
SURROGATES			RANGE	SW-846 8270	11/07/00 14:26	JAH
Phenol-d5	54		24-113%	SW-846 8270	11/07/00 14:26	JAH
2-Fluorophenol	35		25-121%	SW-846 8270	11/07/00 14:26	JAH
2,4,6-Tribromophenol	64		19-122%	SW-846 8270	11/07/00 14:26	JAH
Nitrobenzene-d5	71		23-120%	SW-846 8270	11/07/00 14:26	JAH
2-Fluorobiphenyl	77		30-115%	SW-846 8270	11/07/00 14:26	JAH
P-Terphenyl-d14	86		18-137%	SW-846 8270	11/07/00 14:26	JAH

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Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 005
SAMPLE DESCRIPTION: NAVSTA-CS-VV3-01 GRAB 11/01/00 @0900

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	16260	220	mg/kg dry	SW-846 6010	11/08/00 22:21	VIK
ANTIMONY	<2.2	2.2	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
ARSENIC	23.1	1.1	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
BARIUM	8.15	0.055	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
BERYLLIUM	0.220	0.011	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
CADMIUM	3.30	0.055	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
CHROMIUM	18.5	0.33	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
COBALT	15.9	0.33	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
COPPER	23.6	0.55	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
IRON	41900	110	mg/kg dry	SW-846 6010	11/08/00 22:21	VIK
LEAD	14.4	0.44	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
MAGNESIUM	5549	5.5	mg/kg dry	SW-846 6010	11/09/00 9:41	RJC
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	11/08/00 16:27	RJC
NICKEL	37.4	0.22	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
POTASSIUM	292	11	mg/kg dry	SW-846 6010	11/09/00 10:09	RJC
SELENIUM	<2.2	2.2	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
SILVER	<0.22	0.22	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
SODIUM	77	33	mg/kg dry	SW-846 6010	11/09/00 10:09	RJC
THALLIUM	<1.1	1.1	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
VANADIUM	13.4	0.22	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
ZINC	55.6	0.22	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK

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Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 006
SAMPLE DESCRIPTION: NAVSTA-CS-VV3-02 GRAB 11/01/00 @1200

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	150	29	mg/kg dry	EPA 418.1	11/03/00 17:43	SWM

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Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 007.
SAMPLE DESCRIPTION: NAVSTA-CS-VV3-02 GRAB 11/01/00 @1200

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	11/07/00 17:12	NPV
C9-C24	250	4.0	mg/kg dry	SW846 8015B	11/07/00 17:12	NPV
C24-C36	210	20	mg/kg dry	SW846 8015B	11/07/00 17:12	NPV

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 008.
SAMPLE DESCRIPTION: NAVSTA-CS-VV3-02 GRAB 11/01/00 @1200

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	11/08/00 13:59	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	11/08/00 13:59	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	11/08/00 13:59	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	11/08/00 13:59	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	11/08/00 13:59	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	11/08/00 13:59	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	11/08/00 13:59	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 008

NAVSTA-CS-VV3-02 GRAB 11/01/00 @1200

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	11/08/00 13:59	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	11/08/00 13:59	JL
SURROGATES			RANGE	5035/8260	11/08/00 13:59	JL
Dibromofluoromethane	96		80-120%	5035/8260	11/08/00 13:59	JL
Toluene-d8	114		81-117%	5035/8260	11/08/00 13:59	JL
4-Bromofluorobenzene	101		74-121%	5035/8260	11/08/00 13:59	JL
1,2 Dichloroethane-d4	106		80-120%	5035/8260	11/08/00 13:59	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 009
SAMPLE DESCRIPTION: NAVSTA-CS-VV3-02 GRAB 11/01/00 @1200

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Anthracene	0.6	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Benzo(a)anthracene	1.1	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Benzo(b)fluoranthene	0.7	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Benzo(a)pyrene	0.8	0.2	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Chrysene	1.0	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Fluoranthene	2.6	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 009

NAVSTA-CS-VV3-02 GRAB 11/01/00 @1200

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Phenanthrene	2.2	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Pyrene	1.9	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 13:32	JAH
SURROGATES			RANGE	SW-846 8270	11/07/00 13:32	JAH
Phenol-d5	53		24-113%	SW-846 8270	11/07/00 13:32	JAH
2-Fluorophenol	39		25-121%	SW-846 8270	11/07/00 13:32	JAH
2,4,6-Tribromophenol	80		19-122%	SW-846 8270	11/07/00 13:32	JAH
Nitrobenzene-d5	53		23-120%	SW-846 8270	11/07/00 13:32	JAH
2-Fluorobiphenyl	61		30-115%	SW-846 8270	11/07/00 13:32	JAH
P-Terphenyl-d14	65		18-137%	SW-846 8270	11/07/00 13:32	JAH

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Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by: R.I. Analytical

Sample #: 010
SAMPLE DESCRIPTION: NAVSTA-CS-VV3-02 GRAB 11/01/00 @1200

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	14630	220	mg/kg dry	SW-846 6010	11/08/00 22:24	VIK
ANTIMONY	<2.2	2.2	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
ARSENIC	19.1	1.1	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
BARIUM	8.39	0.056	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
BERYLLIUM	0.247	0.011	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
CADMIUM	2.85	0.056	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
CHROMIUM	14.7	0.34	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
COBALT	17.1	0.34	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
COPPER	20.2	0.56	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
IRON	38310	112	mg/kg dry	SW-846 6010	11/08/00 22:24	VIK
LEAD	21.3	0.45	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
MAGNESIUM	4160	5.6	mg/kg dry	SW-846 6010	11/09/00 9:44	RJC
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	11/08/00 16:27	RJC
NICKEL	28.8	0.22	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
POTASSIUM	146	11	mg/kg dry	SW-846 6010	11/09/00 10:12	RJC
SELENIUM	<2.2	2.2	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
SILVER	0.45	0.22	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
SODIUM	45	34	mg/kg dry	SW-846 6010	11/09/00 10:12	RJC
THALLIUM	<1.1	1.1	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
VANADIUM	14.0	0.22	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK
ZINC	56.8	0.22	mg/kg dry	SW-846 6010	11/08/00 18:56	VIK

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Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 011.
SAMPLE DESCRIPTION: NAVSTA-CS-VB73-01 GRAB 11/01/00 @1340

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	82	29	mg/kg dry	EPA 418.1	11/03/00 17:43	SWM

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Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 012.
SAMPLE DESCRIPTION: NAVSTA-CS-VB73-01 GRAB 11/01/00 @1340

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	11/07/00 17:12	NPV
C9-C24	19	4.0	mg/kg dry	SW846 8015B	11/07/00 17:12	NPV
C24-C36	29	20	mg/kg dry	SW846 8015B	11/07/00 17:12	NPV

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 013
SAMPLE DESCRIPTION: NAVSTA-CS-VB73-01 GRAB 11/01/00 @1340

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	11/09/00 12:36	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	11/09/00 12:36	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	11/09/00 12:36	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	11/09/00 12:36	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	11/09/00 12:36	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	11/09/00 12:36	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	11/09/00 12:36	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 013

NAVSTA-CS-VB73-01 GRAB 11/01/00 @1340

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	11/09/00 12:36	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	11/09/00 12:36	JL
SURROGATES			RANGE	5035/8260	11/09/00 12:36	JL
Dibromofluoromethane	97		80-120%	5035/8260	11/09/00 12:36	JL
Toluene-d8	99		81-117%	5035/8260	11/09/00 12:36	JL
4-Bromofluorobenzene	90		74-121%	5035/8260	11/09/00 12:36	JL
1,2 Dichloroethane-d4	102		80-120%	5035/8260	11/09/00 12:36	JL

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 014
SAMPLE DESCRIPTION: NAVSTA-CS-VB73-01 GRAB 11/01/00 @1340

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15 21	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15.21	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15.21	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15 21	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15.21	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 014

NAVSTA-CS-VB73-01 GRAB 11/01/00 @1340

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15 21	JAH
2-Methyl-4,5-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15.21	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 15:21	JAH
SURROGATES			RANGE	SW-846 8270	11/07/00 15:21	JAH
Phenol-d5	114		24-113%	SW-846 8270	11/07/00 15:21	JAH
2-Fluorophenol	16		25-121%	SW-846 8270	11/07/00 15:21	JAH
2,4,6-Tribromophenol	58		19-122%	SW-846 8270	11/07/00 15:21	JAH
Nitrobenzene-d5	48		23-120%	SW-846 8270	11/07/00 15:21	JAH
2-Fluorobiphenyl	58		30-115%	SW-846 8270	11/07/00 15:21	JAH
P-Terphenyl-d14	84		18-137%	SW-846 8270	11/07/00 15:21	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 015
SAMPLE DESCRIPTION: NAVSTA-CS-VB73-01 GRAB 11/01/00 @1340

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	5980	240	mg/kg dry	SW-846 6010	11/08/00 22:28	VIK
ANTIMONY	<2.3	2.3	mg/kg dry	SW-846 6010	11/08/00 19:04	VIK
ARSENIC	8.1	1.2	mg/kg dry	SW-846 6010	11/08/00 19:04	VIK
BARIUM	8.81	0.058	mg/kg dry	SW-846 6010	11/08/00 19:04	VIK
BERYLLIUM	0.128	0.012	mg/kg dry	SW-846 6010	11/08/00 19:04	VIK
CADMIUM	1.48	0.058	mg/kg dry	SW-846 6010	11/08/00 19:04	VIK
CHROMIUM	6.05	0.35	mg/kg dry	SW-846 6010	11/08/00 19:04	VIK
COBALT	5.12	0.35	mg/kg dry	SW-846 6010	11/08/00 19:04	VIK
COPPER	6.16	0.58	mg/kg dry	SW-846 6010	11/08/00 19:04	VIK
IRON	23100	116	mg/kg dry	SW-846 6010	11/08/00 22:28	VIK
LEAD	5.35	0.46	mg/kg dry	SW-846 6010	11/08/00 19:04	VIK
MAGNESIUM	1960	5.8	mg/kg dry	SW-846 6010	11/09/00 9:47	RJC
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	11/08/00 16:27	RJC
NICKEL	9.88	0.23	mg/kg dry	SW-846 6010	11/08/00 19:04	VIK
POTASSIUM	181	12	mg/kg dry	SW-846 6010	11/09/00 10:22	RJC
SELENIUM	<2.3	2.3	mg/kg dry	SW-846 6010	11/08/00 19:04	VIK
SILVER	<0.23	0.23	mg/kg dry	SW-846 6010	11/08/00 19:04	VIK
SODIUM	<35	35	mg/kg dry	SW-846 6010	11/09/00 10:22	RJC
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	11/08/00 19:04	VIK
VANADIUM	7.21	0.23	mg/kg dry	SW-846 6010	11/08/00 19:04	VIK
ZINC	24.9	0.23	mg/kg dry	SW-846 6010	11/08/00 19:04	VIK

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 016
SAMPLE DESCRIPTION: NAVSTA-CS-VAV3-01 GRAB 11/02/00 @0730

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	950	28	mg/kg dry	EPA 418.1	11/03/00 17:43	SWM

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Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 017
SAMPLE DESCRIPTION: NAVSTA-CS-VAV3-01 GRAB 11/02/00 @0730

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	11/07/00 17:54	NPV
C9-C24	2800	4.0	mg/kg dry	SW846 8015B	11/07/00 17:54	NPV
C24-C36	440	20	mg/kg dry	SW846 8015B	11/07/00 17:54	NPV

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by: R.I. Analytical

Sample #: 018
SAMPLE DESCRIPTION: NAVSTA-CS-VAV3-01 GRAB 11/02/00 @0730

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	11/09/00 13:23	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	11/09/00 13:23	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	11/09/00 13:23	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	11/09/00 13:23	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	11/09/00 13:23	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	11/09/00 13:23	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	11/09/00 13:23	JL

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by: _____
R.I. Analytical

Sample #: 018

NAVSTA-CS-VAV3-01 GRAB 11/02/00 @0730

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	11/09/00 13:23	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	11/09/00 13:23	JL
SURROGATES			RANGE	5035/8260	11/09/00 13 23	JL
Dibromofluoromethane	88		80-120%	5035/8260	11/09/00 13:23	JL
Toluene-d8	91		81-117%	5035/8260	11/09/00 13:23	JL
4-Bromofluorobenzene	95		74-121%	5035/8260	11/09/00 13:23	JL
1,2 Dichloroethane-d4	95		80-120%	5035/8260	11/09/00 13:23	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 019
SAMPLE DESCRIPTION: NAVSTA-CS-VAV3-01 GRAB 11/02/00 @0730

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	0.5	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Anthracene	0.8	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Benzo(a)anthracene	1.7	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Benzo(b)fluoranthene	1.3	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Benzo(k)fluoranthene	1.6	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Benzo(g,h,i)perylene	1.0	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Benzo(a)pyrene	1.6	0.2	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Chrysene	1.7	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Fluoranthene	3.7	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Fluorene	0.5	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Indeno(1,2,3-cd)pyrene	0.9	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 019

NAVSTA-CS-VAV3-01 GRAB 11/02/00 @0730

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Phenanthrene	3.6	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Pyrene	2.3	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 17:42	JAH
SURROGATES			RANGE	SW-846 8270	11/08/00 17:42	JAH
Phenol-d5	47		24-113%	SW-846 8270	11/08/00 17:42	JAH
2-Fluorophenol	111		25-121%	SW-846 8270	11/08/00 17 42	JAH
2,4,6-Tribromophenol	101		19-122%	SW-846 8270	11/08/00 17:42	JAH
Nitrobenzene-d5	74		23-120%	SW-846 8270	11/08/00 17:42	JAH
2-Fluorobiphenyl	82		30-115%	SW-846 8270	11/08/00 17:42	JAH
P-Terphenyl-d14	76		18-137%	SW-846 8270	11/08/00 17:42	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by: R.I. Analytical

Sample #: 020
SAMPLE DESCRIPTION: NAVSTA-CS-VAV3-01 GRAB 11/02/00 @0730

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	10590	220	mg/kg dry	SW-846 6010	11/08/00 22:34	VIK
ANTIMONY	<2.2	2.2	mg/kg dry	SW-846 6010	11/08/00 19:11	VIK
ARSENIC	19.5	1.1	mg/kg dry	SW-846 6010	11/08/00 19:11	VIK
BARIUM	27.5	0.054	mg/kg dry	SW-846 6010	11/08/00 19:11	VIK
BERYLLIUM	0.304	0.011	mg/kg dry	SW-846 6010	11/08/00 19:11	VIK
CADMIUM	2.67	0.054	mg/kg dry	SW-846 6010	11/08/00 19:11	VIK
CHROMIUM	10.7	0.33	mg/kg dry	SW-846 6010	11/08/00 19:11	VIK
COBALT	8.89	0.33	mg/kg dry	SW-846 6010	11/08/00 19:11	VIK
COPPER	33.4	0.54	mg/kg dry	SW-846 6010	11/08/00 19:11	VIK
IRON	25140	108	mg/kg dry	SW-846 6010	11/08/00 22:34	VIK
LEAD	47.0	0.43	mg/kg dry	SW-846 6010	11/08/00 19:11	VIK
MAGNESIUM	2440	5.4	mg/kg dry	SW-846 6010	11/09/00 9:47	RJC
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	11/08/00 16.27	RJC
NICKEL	21.5	0.22	mg/kg dry	SW-846 6010	11/08/00 19:11	VIK
POTASSIUM	238	11	mg/kg dry	SW-846 6010	11/09/00 10:25	RJC
SELENIUM	<2.2	2.2	mg/kg dry	SW-846 6010	11/08/00 19:11	VIK
SILVER	<0.22	0.22	mg/kg dry	SW-846 6010	11/08/00 19:11	VIK
SODIUM	<33	33	mg/kg dry	SW-846 6010	11/09/00 10:25	RJC
THALLIUM	<1.1	1.1	mg/kg dry	SW-846 6010	11/08/00 19:11	VIK
VANADIUM	17.9	0.22	mg/kg dry	SW-846 6010	11/08/00 19:11	VIK
ZINC	186	0.22	mg/kg dry	SW-846 6010	11/08/00 19:11	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 021
SAMPLE DESCRIPTION: NAVSTA-CS-VS2-01 GRAB 11/02/00 @0930

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<28	28	mg/kg dry	EPA 418.1	11/03/00 17:43	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 022
SAMPLE DESCRIPTION: NAVSTA-CS-VS2-01 GRAB 11/02/00 @0930

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	11/07/00 18:36	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	11/07/00 18:36	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	11/07/00 18:36	NPV

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 023
SAMPLE DESCRIPTION: NAVSTA-CS-VS2-01 GRAB 11/02/00 @0930

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	11/09/00 14:10	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	11/09/00 14:10	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	11/09/00 14:10	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	11/09/00 14:10	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	11/09/00 14:10	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	11/09/00 14:10	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	11/09/00 14:10	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 023

NAVSTA-CS-VS2-01 GRAB 11/02/00 @0930

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 14.10	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
m&p-Xylene	<0 004	0.004	mg/kg	5035/8260	11/09/00 14:10	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	11/09/00 14:10	JL
SURROGATES			RANGE	5035/8260	11/09/00 14:10	JL
Dibromofluoromethane	90		80-120%	5035/8260	11/09/00 14:10	JL
Toluene-d8	100		81-117%	5035/8260	11/09/00 14:10	JL
4-Bromofluorobenzene	94		74-121%	5035/8260	11/09/00 14:10	JL
1,2 Dichloroethane-d4	99		80-120%	5035/8260	11/09/00 14:10	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 024
SAMPLE DESCRIPTION: NAVSTA-CS-VS2-01 GRAB 11/02/00 @0930

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	11/08/00 16.47	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16 47	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16.47	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16.47	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16.47	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16.47	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 024

NAVSTA-CS-VS2-01 GRAB 11/02/00 @0930

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16.47	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/08/00 16:47	JAH
SURROGATES			RANGE	SW-846 8270	11/08/00 16:47	JAH
Phenol-d5	141		24-113%	SW-846 8270	11/08/00 16:47	JAH
2-Fluorophenol	62		25-121%	SW-846 8270	11/08/00 16:47	JAH
2,4,6-Tribromophenol	41		19-122%	SW-846 8270	11/08/00 16:47	JAH
Nitrobenzene-d5	42		23-120%	SW-846 8270	11/08/00 16:47	JAH
2-Fluorobiphenyl	49		30-115%	SW-846 8270	11/08/00 16:47	JAH
P-Terphenyl-d14	60		18-137%	SW-846 8270	11/08/00 16:47	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by: R.I. Analytical

Sample #: 025
SAMPLE DESCRIPTION: NAVSTA-CS-VS2-01 GRAB 11/02/00 @0930

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	30500	220	mg/kg dry	SW-846 6010	11/08/00 22:17	VIK
ANTIMONY	<2.3	2.3	mg/kg dry	SW-846 6010	11/08/00 18:53	VIK
ARSENIC	15.8	1.1	mg/kg dry	SW-846 6010	11/08/00 18:53	VIK
BARIUM	9.68	0.056	mg/kg dry	SW-846 6010	11/08/00 18:53	VIK
BERYLLIUM	0.226	0.011	mg/kg dry	SW-846 6010	11/08/00 18:53	VIK
CADMIUM	4.95	0.056	mg/kg dry	SW-846 6010	11/08/00 18:53	VIK
CHROMIUM	22.8	0.34	mg/kg dry	SW-846 6010	11/08/00 18:53	VIK
COBALT	13.6	0.34	mg/kg dry	SW-846 6010	11/08/00 18:53	VIK
COPPER	12.7	0.56	mg/kg dry	SW-846 6010	11/08/00 18:53	VIK
IRON	72890	224	mg/kg dry	SW-846 6010	11/08/00 22:38	VIK
LEAD	13.8	0.46	mg/kg dry	SW-846 6010	11/08/00 18:53	VIK
MAGNESIUM	8744	5.6	mg/kg dry	SW-846 6010	11/09/00 10:06	RJC
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	11/08/00 16:27	RJC
NICKEL	22.8	0.23	mg/kg dry	SW-846 6010	11/08/00 18:53	VIK
POTASSIUM	282	11	mg/kg dry	SW-846 6010	11/09/00 10:28	RJC
SELENIUM	<2.3	2.3	mg/kg dry	SW-846 6010	11/08/00 18:53	VIK
SILVER	<0.23	0.23	mg/kg dry	SW-846 6010	11/08/00 18:53	VIK
SODIUM	90	34	mg/kg dry	SW-846 6010	11/09/00 10:28	RJC
THALLIUM	<1.1	1.1	mg/kg dry	SW-846 6010	11/08/00 18:53	VIK
VANADIUM	43.8	0.23	mg/kg dry	SW-846 6010	11/08/00 18:53	VIK
ZINC	69.2	0.23	mg/kg dry	SW-846 6010	11/08/00 18:53	VIK

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 026
SAMPLE DESCRIPTION: PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<25	25	mg/kg dry	EPA 418.1	11/03/00 17:43	SWM
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	11/07/00 14:56	NPV
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	11/07/00 14:56	NPV
C24-C36	<20	20	mg/kg dry	SW846 8015B	11/07/00 14:56	NPV
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	11/09/00 15:39	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	11/09/00 15:39	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	11/09/00 15:39	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	11/09/00 15:39	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	11/09/00 15:39	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	11/09/00 15:39	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 026

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	11/09/00 15:39	JL
Naphthalene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	11/09/00 15:39	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	11/09/00 15:39	JL
SURROGATES			RANGE	5035/8260	11/09/00 15:39	JL
Dibromofluoromethane	97		80-120%	5035/8260	11/09/00 15:39	JL
Toluene-d8	97		81-117%	5035/8260	11/09/00 15:39	JL
4-Bromofluorobenzene	99		74-121%	5035/8260	11/09/00 15:39	JL
1,2 Dichloroethane-d4	104		80-120%	5035/8260	11/09/00 15:39	JL
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by:
R.I. Analytical

Sample #: 026

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12.43	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12.43	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/02/00
Work Order # 0011-13425

Approved by: R.I. Analytical

Sample #: 026

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12.43	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/07/00 12:43	JAH
SURROGATES			RANGE	SW-846 8270	11/07/00 12:43	JAH
Phenol-d5	155		24-113%	SW-846 8270	11/07/00 12:43	JAH
2-Fluorophenol	67		25-121%	SW-846 8270	11/07/00 12:43	JAH
2,4,6-Tribromophenol	108		19-122%	SW-846 8270	11/07/00 12:43	JAH
Nitrobenzene-d5	81		23-120%	SW-846 8270	11/07/00 12.43	JAH
2-Fluorobiphenyl	88		30-115%	SW-846 8270	11/07/00 12:43	JAH
P-Terphenyl-d14	89		18-137%	SW-846 8270	11/07/00 12:43	JAH
TOTAL METALS						
ALUMINUM	<1.2	1.2	mg/kg dry	SW-846 6010	11/08/00 18:39	VIK
ANTIMONY	<2.5	2.5	mg/kg dry	SW-846 6010	11/08/00 18:39	VIK
ARSENIC	<1.2	1.2	mg/kg dry	SW-846 6010	11/08/00 18:39	VIK
BARIUM	<0.062	0.062	mg/kg dry	SW-846 6010	11/08/00 18:39	VIK
BERYLLIUM	<0.012	0.012	mg/kg dry	SW-846 6010	11/08/00 18:39	VIK
CADMIUM	<0.062	0.062	mg/kg dry	SW-846 6010	11/08/00 18:39	VIK
CHROMIUM	<0.38	0.38	mg/kg dry	SW-846 6010	11/08/00 18:39	VIK
COBALT	<0.38	0.38	mg/kg dry	SW-846 6010	11/08/00 18:39	VIK
COPPER	<0.62	0.62	mg/kg dry	SW-846 6010	11/08/00 18:39	VIK
IRON	<0.62	0.62	mg/kg dry	SW-846 6010	11/08/00 18:39	VIK
LEAD	<0.50	0.50	mg/kg dry	SW-846 6010	11/08/00 18:39	VIK
MAGNESIUM	<0.5	0.5	mg/kg dry	SW-846 6010	11/09/00 9:34	RJC
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	11/08/00 16:27	RJC
NICKEL	<0.25	0.25	mg/kg dry	SW-846 6010	11/08/00 18.39	VIK
POTASSIUM	<10	10	mg/kg dry	SW-846 6010	11/09/00 9:34	RJC
SELENIUM	<2.5	2.5	mg/kg dry	SW-846 6010	11/08/00 18:39	VIK
SILVER	<0.25	0.25	mg/kg dry	SW-846 6010	11/08/00 18:39	VIK
SODIUM	<30	30	mg/kg dry	SW-846 6010	11/09/00 9:34	RJC
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	11/08/00 18:39	VIK
VANADIUM	<0.25	0 25	mg/kg dry	SW-846 6010	11/08/00 18:39	VIK
ZINC	<0.25	0.25	mg/kg dry	SW-846 6010	11/08/00 18:39	VIK

White Copy Original (Accompanies Samples) Yellow Copy – Collector Pink Copy – Customer's Copy

R.I. Analytical Laboratories, Inc.

41 Illinois Avenue
Warwick, RI 02888
Phone: (401) 737-8500
Fax: (401) 738-1970

950 Boylston Street, Unit 102
Newton Highlands, MA 02461
Phone: (617) 965-5133
Fax: (617) 965-5624

CHAIN OF CUSTODY RECORD

Page 1 of 1

Container Type Codes:	Preservative Codes:		Matrix Codes:	
P=Plastic AG=Amber Glass	NP=Non preserved	S=Sulfuric	GW=Groundwater	S=Soil
G=Glass St=Sterile	I=Cooled 4°C	H=HCL	WW=Wastewater	Sl=Sludge
V=Vial	N=Nitric	SH=NaOH	DW=Drinking water	A=Air
O=Other (describe)	M=Methanol	SB=NaHSO4	O=Other (describe)	B=Bulk/Solid

Date Collected	Time Collected	Sample ID	G=Grab C=Comp.	Containers # + (code)	Preservative (code)	Matrix (code)	Analysis Request
11/1/00	0900	NAVSTA-CS-UV3-01	G	3V 2O	S,I,SA	S	8260/8270/8015/418.1/TAL metals
11/1/00	1200	-UV3-02	↓	↓	↓	↓	
↓	1340	-UB13-01					
11/2/00	0730	UAV3-01	↓	↓	↓	↓	
11/2/00	0930	NAVSTA-CS — VS2-01	G	3V 2O	I,HSO	S	8260/8270/8015/418.1/TAL metals

Client Information

Company Name:	Foster Wheeler
Address:	195 Burma Rd
City / State / Zip:	Portsmouth, RI
Phone:	683-5259
Fax:	683-5218
Contact:	Helen

Project Information

Project Name / Location:	Fuel Line Cleanup
P.O. Number / Project Number:	0065
Project Manager / Report To:	Helen
Sampled by:	Helen
Reference Proposal	

Relinquished by:	Date	Time	Received by:	Date	Time
Helen	11/2/00	1330		11/2/00	1330
	11/2/00	1515	Roger A Cook	11/2/00	1515

Turn Around Time:

- ☐ Normal
- ☒ 5 business days Surcharges may apply
- ☐ Rush _____ (business days)

Project Comments: Low VOCs

RIAL USE ONLY:

- ☒ Pick-Up Only
- ☐ RIAL Sampled
- ☒ Shipped on Ice

RIAL W.O #

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Foster Wheeler
Attn: Mr. Josh Holden
P.O. Box 4350
Middletown, RI 02842

Date Received: 11/07/00
Date Reported: 11/14/00
P.O. #:
Work Order #: 0011-13585

DESCRIPTION: PROJECT# DO65 FUEL LINE

Subject sample(s) has/have been analyzed by our laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

41 Illinois Avenue, Warwick, RI 02888
Tel: (401) 737-8500 Fax: (401) 738-1970

950 Boylston Street, Unit 102, Newton Highlands, MA 02461
Tel: (617) 965-5133 Fax: (617) 965-5624

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/07/00
Work Order # 0011-13585

Approved by:
R.I. Analytical

Sample #: 001
SAMPLE DESCRIPTION: NAVSTA-CS-VA16-T01 GRAB 11/06/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<29	29	mg/kg dry	EPA 418.1	11/09/00 15:17	SWM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/07/00
Work Order # 0011-13585

Approved by: R.I. Analytical

Sample #: 002
SAMPLE DESCRIPTION: NAVSTA-CS-VA16-T01 GRAB 11/06/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	11/10/00 0:02	CLB
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	11/10/00 0:02	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	11/10/00 0:02	CLB

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/07/00
Work Order # 0011-13585

Approved by: _____
R.I. Analytical

Sample #: 003
SAMPLE DESCRIPTION: NAVSTA-CS-VA16-T01 GRAB 11/06/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	11/10/00 5:08	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	11/10/00 5:08	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	11/10/00 5:08	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	11/10/00 5:08	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	11/10/00 5:08	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	11/10/00 5:08	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	11/10/00 5:08	JL

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/07/00
Work Order # 0011-13585

Approved by: R.I. Analytical

Sample #: 003

NAVSTA-CS-VA16-T01 GRAB 11/06/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:08	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	11/10/00 5:08	JL
SURROGATES			RANGE	5035/8260	11/10/00 5:08	JL
Dibromofluoromethane	89		80-120%	5035/8260	11/10/00 5:08	JL
Toluene-d8	106		81-117%	5035/8260	11/10/00 5:08	JL
4-Bromofluorobenzene	99		74-121%	5035/8260	11/10/00 5:08	JL
1,2 Dichloroethane-d4	119		80-120%	5035/8260	11/10/00 5:08	JL

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/07/00
Work Order # 0011-13585

Approved by:
R.I. Analytical

Sample #: 004
SAMPLE DESCRIPTION: NAVSTA-CS-VA16-T01 GRAB 11/06/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/07/00
Work Order # 0011-13585

Approved by: R.I. Analytical

Sample #: 004

NAVSTA-CS-VA16-T01 GRAB 11/06/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 1:01	JAH
SURROGATES			RANGE	SW-846 8270	11/10/00 1:01	JAH
Phenol-d5	59		24-113%	SW-846 8270	11/10/00 1:01	JAH
2-Fluorophenol	57		25-121%	SW-846 8270	11/10/00 1:01	JAH
2,4,6-Tribromophenol	36		19-122%	SW-846 8270	11/10/00 1:01	JAH
Nitrobenzene-d5	59		23-120%	SW-846 8270	11/10/00 1:01	JAH
2-Fluorobiphenyl	63		30-115%	SW-846 8270	11/10/00 1:01	JAH
P-Terphenyl-d14	84		18-137%	SW-846 8270	11/10/00 1:01	JAH

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/07/00
Work Order # 0011-13585

Approved by:
R.I. Analytical

Sample #: 005
SAMPLE DESCRIPTION: NAVSTA-CS-VA16-T01 GRAB 11/06/00 @1330

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	8540	112	mg/kg dry	SW-846 6010	11/13/00 13:28	RJC
ANTIMONY	<2.2	2.2	mg/kg dry	SW-846 6010	11/13/00 13:35	RJC
ARSENIC	11.2	1.1	mg/kg dry	SW-846 6010	11/13/00 13:35	RJC
BARIUM	15.2	0.056	mg/kg dry	SW-846 6010	11/13/00 13:35	RJC
BERYLLIUM	0.268	0.011	mg/kg dry	SW-846 6010	11/13/00 13:35	RJC
CADMIUM	2.57	0.056	mg/kg dry	SW-846 6010	11/13/00 13:35	RJC
CHROMIUM	9.62	0.34	mg/kg dry	SW-846 6010	11/13/00 13:35	RJC
COBALT	11.6	0.34	mg/kg dry	SW-846 6010	11/13/00 13:35	RJC
COPPER	17.2	0.56	mg/kg dry	SW-846 6010	11/13/00 13:35	RJC
IRON	30700	56.0	mg/kg dry	SW-846 6010	11/13/00 13:28	RJC
LEAD	104	0.45	mg/kg dry	SW-846 6010	11/13/00 13:35	RJC
MAGNESIUM	2060	5.6	mg/kg dry	SW-846 6010	11/13/00 17:48	RJC
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	11/13/00 16:16	RJC
NICKEL	27.4	0.22	mg/kg dry	SW-846 6010	11/13/00 13:35	RJC
POTASSIUM	324	11.2	mg/kg dry	SW-846 6010	11/13/00 17:39	RJC
SELENIUM	<2.2	2.2	mg/kg dry	SW-846 6010	11/13/00 13:35	RJC
SILVER	<0.22	0.22	mg/kg dry	SW-846 6010	11/13/00 13:35	RJC
SODIUM	<34	34	mg/kg dry	SW-846 6010	11/13/00 17:39	RJC
THALLIUM	<1.1	1.1	mg/kg dry	SW-846 6010	11/13/00 13:35	RJC
VANADIUM	10.5	0.22	mg/kg dry	SW-846 6010	11/13/00 13:35	RJC
ZINC	50.3	0.22	mg/kg dry	SW-846 6010	11/13/00 13:35	RJC

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Foster Wheeler
Date Received: 11/07/00
Work Order # 0011-13585

Approved by:
R.I. Analytical

Sample #: 006
SAMPLE DESCRIPTION: NAVSTA-CS-VA16-01 GRAB 11/07/00 @1430

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	700	30	mg/kg dry	EPA 418.1	11/09/00 15:17	SWM

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Foster Wheeler
Date Received: 11/07/00
Work Order # 0011-13585

Approved by:
R.I. Analytical

Sample #: 007
SAMPLE DESCRIPTION: NAVSTA-CS-VA16-01 GRAB 11/07/00 @1430

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	11/10/00 0:44	CLB
C9-C24	860	4.0	mg/kg dry	SW846 8015B	11/10/00 0:44	CLB
C24-C36	620	20	mg/kg dry	SW846 8015B	11/10/00 0:44	CLB

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CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/07/00
Work Order # 0011-13585

Approved by:
R.I. Analytical

Sample #: 008
SAMPLE DESCRIPTION: NAVSTA-CS-VA16-01 GRAB 11/07/00 @1430

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	11/10/00 5:57	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	11/10/00 5:57	JL
n-Butylbenzene	0.005	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
sec-Butylbenzene	0.022	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	11/10/00 5:57	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	11/10/00 5:57	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	11/10/00 5:57	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	11/10/00 5:57	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	11/10/00 5:57	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/07/00
Work Order # 0011-13585

Approved by:
R.I. Analytical

Sample #: 008

NAVSTA-CS-VA16-01 GRAB 11/07/00 @1430

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Naphthalene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
1,2,4-Trimethylbenzene	0.010	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	11/10/00 5:57	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	11/10/00 5:57	JL
SURROGATES			RANGE	5035/8260	11/10/00 5:57	JL
Dibromofluoromethane	92		80-120%	5035/8260	11/10/00 5:57	JL
Toluene-d8	100		81-117%	5035/8260	11/10/00 5:57	JL
4-Bromofluorobenzene	104		74-121%	5035/8260	11/10/00 5:57	JL
1,2 Dichloroethane-d4	112		80-120%	5035/8260	11/10/00 5:57	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/07/00
Work Order # 0011-13585

Approved by:
R.I. Analytical

Sample #: 009
SAMPLE DESCRIPTION: NAVSTA-CS-VA16-01 GRAB 11/07/00 @1430

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5.57	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5.57	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/07/00
Work Order # 0011-13585

Approved by:
R.I. Analytical

Sample #: 009

NAVSTA-CS-VA16-01 GRAB 11/07/00 @1430

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 5:57	JAH
SURROGATES			RANGE	SW-846 8270	11/10/00 5:57	JAH
Phenol-d5	55		24-113%	SW-846 8270	11/10/00 5:57	JAH
2-Fluorophenol	39		25-121%	SW-846 8270	11/10/00 5:57	JAH
2,4,6-Tribromophenol	43		19-122%	SW-846 8270	11/10/00 5:57	JAH
Nitrobenzene-d5	67		23-120%	SW-846 8270	11/10/00 5:57	JAH
2-Fluorobiphenyl	89		30-115%	SW-846 8270	11/10/00 5:57	JAH
P-Terphenyl-d14	93		18-137%	SW-846 8270	11/10/00 5:57	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/07/00
Work Order # 0011-13585

Approved by:
R.I. Analytical

Sample #: 010
SAMPLE DESCRIPTION: NAVSTA-CS-VA16-01 GRAB 11/07/00 @1430

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TOTAL METALS						
ALUMINUM	7820	118	mg/kg dry	SW-846 6010	11/13/00 13:32	RJC
ANTIMONY	<2.4	2.4	mg/kg dry	SW-846 6010	11/13/00 13:40	RJC
ARSENIC	7.0	1.2	mg/kg dry	SW-846 6010	11/13/00 13:40	RJC
BARIUM	27.0	0.058	mg/kg dry	SW-846 6010	11/13/00 13:40	RJC
BERYLLIUM	0.188	0.012	mg/kg dry	SW-846 6010	11/13/00 13:40	RJC
CADMIUM	1.64	0.058	mg/kg dry	SW-846 6010	11/13/00 13:40	RJC
CHROMIUM	8.94	0.35	mg/kg dry	SW-846 6010	11/13/00 13:40	RJC
COBALT	5.18	0.35	mg/kg dry	SW-846 6010	11/13/00 13:40	RJC
COPPER	21.4	0.59	mg/kg dry	SW-846 6010	11/13/00 13:40	RJC
IRON	16400	59.0	mg/kg dry	SW-846 6010	11/13/00 13:32	RJC
LEAD	57.0	0.47	mg/kg dry	SW-846 6010	11/13/00 13:40	RJC
MAGNESIUM	3780	59	mg/kg dry	SW-846 6010	11/13/00 17:51	RJC
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	11/13/00 16:16	RJC
NICKEL	13.0	0.24	mg/kg dry	SW-846 6010	11/13/00 13:40	RJC
POTASSIUM	388	11.8	mg/kg dry	SW-846 6010	11/13/00 17:42	RJC
SELENIUM	<2.4	2.4	mg/kg dry	SW-846 6010	11/13/00 13:40	RJC
SILVER	<0.24	0.24	mg/kg dry	SW-846 6010	11/13/00 13:40	RJC
SODIUM	200	35	mg/kg dry	SW-846 6010	11/13/00 17:42	RJC
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	11/13/00 13:40	RJC
VANADIUM	7.53	0.24	mg/kg dry	SW-846 6010	11/13/00 13:40	RJC
ZINC	69.4	0.24	mg/kg dry	SW-846 6010	11/13/00 13:40	RJC

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/07/00
Work Order # 0011-13585

Approved by:
R.I. Analytical

Sample #: 011
SAMPLE DESCRIPTION: PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
TPH IR	<25	25	mg/kg dry	EPA 418.1	11/09/00 15:17	SWM
TPH GC						
C6-C9	<12	12	mg/kg dry	SW846 8015B	11/09/00 23:20	CLB
C9-C24	<4.0	4.0	mg/kg dry	SW846 8015B	11/09/00 23:20	CLB
C24-C36	<20	20	mg/kg dry	SW846 8015B	11/09/00 23:20	CLB
Volatile Organic Compounds						
Benzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
Bromobenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
Bromochloromethane	<0.008	0.008	mg/kg	5035/8260	11/10/00 11:03	JL
Bromodichloromethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
Bromoform	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
Bromomethane	<0.02	0.02	mg/kg	5035/8260	11/10/00 11:03	JL
n-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
sec-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
tert-Butylbenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
Carbon Tetrachloride	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
Chlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
Chloroethane	<0.01	0.01	mg/kg	5035/8260	11/10/00 11:03	JL
Chloroform	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
Chloromethane	<0.01	0.01	mg/kg	5035/8260	11/10/00 11:03	JL
2-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
4-Chlorotoluene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
Dibromochloromethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
1,2-Dibromo-3-Chloropropane	<0.008	0.008	mg/kg	5035/8260	11/10/00 11:03	JL
1,2-Dibromoethane(EDB)	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
Dibromomethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
1,2-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
1,3-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
1,4-Dichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
Dichlorodifluoromethane	<0.01	0.01	mg/kg	5035/8260	11/10/00 11:03	JL
1,1-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
1,2-Dichloroethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
1,1-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
cis-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
trans-1,2-Dichloroethene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
1,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
1,3-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
2,2-Dichloropropane	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/07/00
Work Order # 0011-13585

Approved by:
R.I. Analytical

Sample #: 011

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
1,1-Dichloropropene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
Ethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
Hexachlorobutadiene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
Isopropylbenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
p-Isopropyltoluene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
Methylene Chloride	<0.01	0.01	mg/kg	5035/8260	11/10/00 11:03	JL
Naphthalene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
n-Propylbenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
Styrene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
1,1,1,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
1,1,2,2-Tetrachloroethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
Tetrachloroethene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
Toluene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
1,2,3-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
1,2,4-Trichlorobenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
1,1,1-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
1,1,2-Trichloroethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
Trichloroethene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
Trichlorofluoromethane	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
1,2,3-Trichloropropane	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
1,2,4-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
1,3,5-Trimethylbenzene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
Vinyl Chloride	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
o-Xylene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
m&p-Xylene	<0.004	0.004	mg/kg	5035/8260	11/10/00 11:03	JL
MTBE	<0.008	0.008	mg/kg	5035/8260	11/10/00 11:03	JL
SURROGATES			RANGE	5035/8260	11/10/00 11:03	JL
Dibromofluoromethane	97		80-120%	5035/8260	11/10/00 11:03	JL
Toluene-d8	97		81-117%	5035/8260	11/10/00 11:03	JL
4-Bromofluorobenzene	99		74-121%	5035/8260	11/10/00 11:03	JL
1,2 Dichloroethane-d4	104		80-120%	5035/8260	11/10/00 11:03	JL
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Acenaphthylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Benzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/07/00
Work Order # 0011-13585

Approved by:
R.I. Analytical

Sample #: 011

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Benzo(a)pyrene	<0.2	0.2	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Bis(2-chloroethyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Bis(2-Chloroethoxy)methane	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
bis(2-chloroisopropyl)ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Bis(2-ethylhexyl)phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
4-Bromophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Butylbenzyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
2-Chloronaphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
4-Chlorophenyl phenyl ether	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Chrysene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
1,2-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
1,3-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
1,4-Dichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
3,3'-Dichlorobenzidine	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Diethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Dimethyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
2,4-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
2,6-Dinitrotoluene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Di-n-octyl phthalate	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
1,2-Diphenylhydrazine	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Fluoranthene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Fluorene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Hexachlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Hexachlorobutadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Hexachlorocyclopentadiene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Hexachloroethane	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Isophorone	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Naphthalene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Nitrobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
N-nitrosodimethylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
N-nitrosodiphenylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
N-nitrosodi-n-propylamine	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Phenanthrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Pyrene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
1,2,4-Trichlorobenzene	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
4-Chloro-3-methylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
2-Chlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Foster Wheeler
Date Received: 11/07/00
Work Order # 0011-13585

Approved by:
R.I. Analytical

Sample #: 011

PREP BLANK

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	ANALYZED DATE/TIME	ANALYST
2,4-Dichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
2,4-Dimethylphenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
2-Methyl-4,6-dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
2,4-Dinitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
2-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
4-Nitrophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Pentachlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
Phenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
2,4,6-Trichlorophenol	<0.4	0.4	mg/kg dry	SW-846 8270	11/10/00 4:45	JAH
SURROGATES			RANGE	SW-846 8270	11/10/00 4:45	JAH
Phenol-d5	96		24-113%	SW-846 8270	11/10/00 4:45	JAH
2-Fluorophenol	98		25-121%	SW-846 8270	11/10/00 4:45	JAH
2,4,6-Tribromophenol	100		19-122%	SW-846 8270	11/10/00 4:45	JAH
Nitrobenzene-d5	111		23-120%	SW-846 8270	11/10/00 4:45	JAH
2-Fluorobiphenyl	90		30-115%	SW-846 8270	11/10/00 4:45	JAH
P-Terphenyl-d14	82		18-137%	SW-846 8270	11/10/00 4:45	JAH
TOTAL METALS						
ALUMINUM	<1.2	1.2	mg/kg dry	SW-846 6010	11/13/00 13:17	RJC
ANTIMONY	<2.5	2.5	mg/kg dry	SW-846 6010	11/13/00 13:17	RJC
ARSENIC	<1.2	1.2	mg/kg dry	SW-846 6010	11/13/00 13:17	RJC
BARIUM	<0.062	0.062	mg/kg dry	SW-846 6010	11/13/00 13:17	RJC
BERYLLIUM	<0.012	0.012	mg/kg dry	SW-846 6010	11/13/00 13:17	RJC
CADMIUM	<0.062	0.062	mg/kg dry	SW-846 6010	11/13/00 13:17	RJC
CHROMIUM	<0.38	0.38	mg/kg dry	SW-846 6010	11/13/00 13:17	RJC
COBALT	<0.38	0.38	mg/kg dry	SW-846 6010	11/13/00 13:17	RJC
COPPER	<0.62	0.62	mg/kg dry	SW-846 6010	11/13/00 13:17	RJC
IRON	<0.62	0.62	mg/kg dry	SW-846 6010	11/13/00 13:17	RJC
LEAD	<0.50	0.50	mg/kg dry	SW-846 6010	11/13/00 13:17	RJC
MAGNESIUM	<0.62	0.62	mg/kg dry	SW-846 6010	11/13/00 17:33	RJC
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	11/13/00 16:16	RJC
NICKEL	<0.25	0.25	mg/kg dry	SW-846 6010	11/13/00 13:17	RJC
POTASSIUM	<12	12	mg/kg dry	SW-846 6010	11/13/00 17:33	RJC
SELENIUM	<2.5	2.5	mg/kg dry	SW-846 6010	11/13/00 13:17	RJC
SILVER	<0.25	0.25	mg/kg dry	SW-846 6010	11/13/00 13:17	RJC
SODIUM	<38	38	mg/kg dry	SW-846 6010	11/13/00 17:33	RJC
THALLIUM	<1.2	1.2	mg/kg dry	SW-846 6010	11/13/00 13:17	RJC
VANADIUM	<0.25	0.25	mg/kg dry	SW-846 6010	11/13/00 13:17	RJC
ZINC	<0.25	0.25	mg/kg dry	SW-846 6010	11/13/00 13:17	RJC

White Copy Original (Accompanies Samples) Yellow Copy – Collector Pink Copy – Customer's Copy

R.I. Analytical Laboratories, Inc.

41 Illinois Avenue
Warwick, RI 02888
Phone: (401) 737-8500
Fax: (401) 738-1970

950 Boylston Street, Unit 102
Newton Highlands, MA 02461
Phone: (617) 965-5133
Fax: (617) 965-5624

CHAIN OF CUSTODY RECORD

Page 1 of 1

Container Type Codes:	Preservative Codes:		Matrix Codes:	
P=Plastic AG=Amber Glass	NP=Non preserved	S=Sulfuric	GW=Groundwater	S=Soil
G=Glass St=Sterile	I=Cooled 4°C	H=HCL	WW=Wastewater	Sl=Sludge
V=Vial	N=Nitric	SH=NaOH	DW=Drinking water	A=Air
O=Other (describe)	M=Methanol	SB=NaHSO4	O=Other (describe)	B=Bulk/Solid

Date Collected	Time Collected	Sample ID	G=Grab C=Comp.	Containers # + (code)	Preservative (code)	Matrix (code)	Analysis Request
11/6/00	1330	NAVSTA-CS-VA16-T01	G	3V 2G	I,H,SB	S	8260/8270/TAL metals/418.1/8015
11/6/00	1430	NAVSTA-CS-VA16-01	G	3V 2G	I,H,SB	S	8260/8270/TAL metals/418.1/8015

Client Information

Company Name: Foster Wheeler
Address: 195 Burma Rd
City / State / Zip: Portsmouth RI
Phone: Fax:
Contact: [illegible]

Project Information

Project Name / Location: DOGS FUEL LINE
P.O. Number / Project Number:
Project Manager / Report To: [illegible]
Sampled by: [illegible]
Reference Proposal:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	11/7/00	1520	[signature]	11/7/00	1520
[signature]	11/7/00	1630	[signature]	11/7/00	1630

Turn Around Time:
- ☐ Normal
- ☒ 5 business days Surcharges may apply
- ☐ Rush _____ (business days)

Project Comments: Low VOCs

RIAL USE ONLY:
- ☒ Pick-Up Only
- ☐ RIAL Sampled
- ☐ Shipped on Ice

RIAL WO # 13585

APPENDIX J

CHANGE REQUEST FORMS (CRFs)

Foster Wheeler Environmental Corporation

Change Request Form

Section 1 through 4 to be filled out by Foster Wheeler, Section 5 to be filled out by Navy

.PROJECT:	OFS No.:	Change Request Form:
Navy RAC D.O. 65	1284-0065	CRF - 001 Rev. 0

To: Bob Krivinskas Dept.: ROICC Location: Newport, RI Date: August 8, 2000

Re: [ ] Drawing No. _____ Title _____

[X] Spec. No. Workplan, Section 3.3.3 Title Fuel Line Closure

[X] Other _____

1. DESCRIPTION *(Items involved, submit sketch if applicable)* FWENC proposes to change the collection of soil samples along the pipeline from Chamber C-18 (Stringham Rd & Burma Rd) to A-10 (located at Tank Farm 4). FWENC proposes to collect one (1) sample per chamber location. FWENC will collect the sample from an elevation below the floor of the chamber.

2. REASONS FOR CHANGE *(If from disposition of nonconformance report, list report number)* The pipeline from chamber C-18 to chamber A-10 is fully enclosed in a concrete culvert trench. Visual inspection of the chambers and the culvert trench has indicated that there is no oil present. Section 3.3.3 of the workplan states that soil samples will be collected from the areas outside of the chambers where the pipeline penetrates the chambers' walls. Since the pipeline is fully enclosed in the culvert trench in this area, there are no pipe penetrations entering the chambers. One soil sample collected from below the elevation of the chamber floor is sufficient to determine if the pipeline has impacted the surrounding soil.

3. RECOMMENDED DISPOSITION

[X] Technical Clarification [NTR & COTR approval required]
[ ] In Scope Adjustment [COTR approval required]
[ ] Out of Scope [CO & COTR approval required]
[ ] Cost Growth
[ ] ROM Estimate (If Applicable) $
[ ] Schedule Impact (describe below)

FWENC Initiator (Signature/Title): Joshua B Alden Superintendent

4. FWENC Project Manager (Signature)	Date	Project Superintendent Concurrence (Signature)	Date
[signature]	8/8/00	Joshua B Alden	8/8/00

5. NAVY DISPOSITION

[X] Approved per recommended disposition — REQUIREMENTS TO SATISFY REGULATORS INCLUDE CLEANING OF PIPE WHERE ENCLOSED IN TRENCH DOES NOT COMPROMISE INTEGRITY OF TRENCH.
[ ] Not approved (give reason)
[ ] Approved with modification(s) [describe below] AFFECTED PIPE ENTRY/EXIT AT CHAMBER/TRENCH INTERFACE BE PHOTODOCUMENTED. SAMPLE REQUIRED ONLY UNDER CHAMBER AT AFFECTED LOCATIONS.

NTR Concurrence *(signature)*	Date	ROICC Concurrence *(Signature)*	Date
[signature]	8/17/00		
Contracting Officer Technical Representative Approval *(Signature)*		Contracting Officer Approval *(Signature)*	Date

Engineer signs and transmits to Resident Engineer with copies to:

_____ Project Manager
_____ Project Superintendent
_____ Quality Control

Others as Required _____
File. _____
_____

Foster Wheeler Environmental Corporation
Change Request Form

Section 1 through 4 to be filled out by Foster Wheeler. Section 5 to be filled out by Navy

PROJECT:	OFS No.:	Change Request Form:
Navy RAC D.O. 65	1284-006E	CRF - 002 Rev. 0

To: Bob Krivinskas Dept.: ROICC Location: Newport, RI Date: August 8, 2000

Re: [ ] Drawing No. _____ Title _____

[X] Spec. No. Workplan, Section 3.3.2 Title Fuel Line Closure

[ ] Other _____

1. DESCRIPTION *(Items involved, submit sketch if applicable* FWENC proposes to video inspect approximate 500 feet of the pipeline between chambers E6 and A6 to determine the integrity of the pipeline. FWENC proposes to video inspect approximately 400 feet of pipeline from chamber A10 to chamber E11. Video inspection will be used in lieu of soil sampling at these chambers.

2. REASONS FOR CHANGE *(If from disposition of nonconformance report, list report numbe* Chambers E6, AE6, and A6 are located adjacent to and extend under Burma Roa

The above ground portion of chamber E6 was demolished during road construction activities and the status of the Fuel pipeline inside the chamber is unknown. Attempting to access this chamber will impact the structural integrity of Burma Rd.

Chamber A6 was demolished during road construction activities and backfill will concrete and road base material. The status of the fuel pipeline inside the chamber is unknown, and attempting to access this chamber will impact Burma Rd.

FWENC proposes to remove a section of pipe from chamber AE6 and video inspect the pipeline north to chamber and south to Chamber A6. Video inspection in necessary to determine the integrity of the pipeline prior to cleaning. After the pipeline has been inspected, flanges and frying pans will be attached to the open ends of the pipe in Chamber AE6.

Chamber E11 was demolished during road construction activities and backfill will concrete and road base material. The status of the fuel pipeline inside the chamber is unknown, and attempting to access this chamber will impact Burma Rd. Video inspection will be used to determine the integrity of the pipeline and to eliminate soil sampling.

FWENC proposes to use video inpection to determine the integrity of the pipeline and to elimunate soil sampling i these chambers (A6, E6, and E11). Sampling around these chambers is not possible due to the proximity of Burma Rd.

3. RECOMMENDED DISPOSITION

[X] Technical Clarification [NTR & COTR approval required]	[X] Cost Growth
[ ] In Scope Adjustment [COTR approval required]	[X] ROM Estimate (If Applicable) $6,500
[X] Out of Scope [CO & COTR approval required]	[ ] Schedule Impact (describe below)

FWENC Initiator (Signature/Title):

4. FWENC Project Manager (Signature)	Date	Project Superintendent Concurrence (Signature)	Date

5. NAVY DISPOSITION

[ ] Approved per recommended disposition
[ ] Not approved (give reason)
[ ] Approved with modification(s) [describe below]

NTR Concurrence *(signature)*	Date	ROICC Concurrence *(Signature)*	Date
Contracting Officer Technical Representativ Approval *(Signature)*		Contracting Officer Approval *(Signature)*	Date

Engineer signs and transmits to Resident Engineer with copies to:

_____ Project Manager
_____ Project Superintendent
_____ Quality Control

Others as Required _____
File: _____
_____

DOSS CRF02

Foster Wheeler Environmental Corporation
Change Request Form

Section 1 through 4 to be filled out by Foster Wheeler. Section 5 to be filled out by Navy

PROJECT:	OFS No.:	Change Request Form:
Navy RAC D.O. 65	1284-0065	CRF - 003 Rev. 0

To: Bob Krivinskas Dept.: ROICC Location: Newport, RI Date: August 8, 2000

Re: [ ] Drawing No. _____ Title _____

[X] Spec. No. Workplan, Section 3.3.1 Title Fuel Line Closure

[ ] Other _____

1. DESCRIPTION *(Items involved, submit sketch if applicable)* Remedial activities for Chamber A16

2. REASONS FOR CHANGE *(If from disposition of nonconformance report, list report number)* Chamber A16 is much larger than the typical chambers present along the pipeline. Differences include

1) the presence of a tank through the east wall of the chamber. The function of this tank is not known, however FWENC suspects it may be a steam condensate tank. Tank function/contents need to be verified. Removal of this tank will result in a cost impact. K PER E-MAIL + DWG.

2) The size of the chamber will affect the cost to abate and demolish the chamber.

3) The chamber contains approximately 4 feet of water. Charter will pump the water through bag filters (for asbestos) and discharge this water to the ground. The water is not oil impacted. K

4) The chamber has approximately 1 foot of sediment on the floor. Soil samples will be collected to determine if the sediment contains asbestos or other chemical compounds of concern. The sediment will be stockpiled adjacent to the chamber and used as backfill if samples indicate the soils meet the RIDEM RDEC standards with the exception of arsenic because background levels of arsenic exceed the RIDEM RDEC standard. YES, EXCAVATED AS SOILS RETURN TO HOLE. K EXCAVATION SOILS ALLOWED WITH EXCEEDENCE IN As. PER 44 on 8/18/00.

3. RECOMMENDED DISPOSITION

[X]	Technical Clarification [NTR & COTR approval required]	[X]	Cost Growth
[ ]	In Scope Adjustment [COTR approval required]	[X]	ROM Estimate (If Applicable) $15,000
[X]	Out of Scope [CO & COTR approval required]	[ ]	Schedule Impact (describe below)

FWENC Initiator (Signature/Title):

4. FWENC Project Manager (Signature)	Date	Project Superintendent Concurrence (Signature)	Date
	8/16/00	John B Holden	8/16/00

5. NAVY DISPOSITION – TECHNICALLY ACCEPTABLE RK 8/18/00.

[ ] Approved per recommended disposition

[ ] Not approved (give reason)

[ ] Approved with modification(s) [describe below]

NTR Concurrence *(signature)*	Date	ROICC Concurrence *(Signature)*	Date
Contracting Officer Technical Representative Approval *(Signature)*		Contracting Officer Approval *(Signature)*	Date

Engineer signs and transmits to Resident Engineer with copies to:

_____ Project Manager

_____ Project Superintendent

_____ Quality Control

Others as Required _____

File: _____

_____

_____

CFR003.xls

Foster Wheeler Environmental Corporation
Change Request Form

Section 1 through 4 to be filled out by Foster Wheeler, Section 5 to be filled out by Navy

PROJECT:	OFS No.:	Change Request Form:
Navy RAC D.O. 65	1284-0065	CRF - 004 Rev. 0

To: Bob Krivinskas Dept.: ROICC Location: Newport, RI Date: August 8, 2000

Re: [ ] Drawing No. _____ Title _____

[X] Spec. No. Workplan, Section 3.3.3 Title Fuel Line Closure

[X] Other

1. DESCRIPTION *(Items involved, submit sketch if applicable)* FWENC proposes to change the collection of soil samples along the pipeline from Chamber A-10 (located at Tank Farm 4) to Chamber V-1 (located at Tank Farm 5). FWENC proposes to collect one (1) sample per chamber location. FWENC will collect the sample from an elevation below the floor of the chamber.

2. REASONS FOR CHANGE *(If from disposition of nonconformance report, list report number)* The pipeline from chamber A-10 to chamber V-1 is fully enclosed in a concrete culvert trench. Visual inspection of the chambers and the culvert trench has indicated that there is no oil present. Section 3.3.3 of the workplan states that soil samples will be collected from the areas outside of the chambers where the pipeline penetrates the chambers' walls. Since the pipeline is fully enclosed in the culvert trench in this area, there are no pipe penetrations entering the chambers. One soil sample collected from below the elevation of the chamber floor is sufficient to determine if the pipeline has impacted the surrounding soil.

3. RECOMMENDED DISPOSITION

[X] Technical Clarification [NTR & COTR approval required]
[ ] In Scope Adjustment [COTR approval required]
[ ] Out of Scope [CO & COTR approval required]
[ ] Cost Growth
[ ] ROM Estimate (If Applicable) $
[ ] Schedule Impact (describe below)

FWENC Initiator (Signature/Title): Joshua B Chilcote Superintendent

4. FWENC Project Manager (Signature)	Date	Project Superintendent Concurrence (Signature)	Date
	8/21/2000	Joshua B Chilcote	8/24/00

5. NAVY DISPOSITION

[X] Approved per recommended disposition
[ ] Not approved (give reason)
[ ] Approved with modification(s) [describe below]

NTR Concurrence *(signature)*	Date	ROICC Concurrence *(Signature)*	Date
	8/22/00		
Contracting Officer Technical Representative Approval *(Signature)*		Contracting Officer Approval *(Signature)*	Date

Engineer signs and transmits to Resident Engineer with copies to:

_____ Project Manager
_____ Project Superintendent
_____ Quality Control
CRF.XLS

Others as Required _____
File: _____

Foster Wheeler Environmental Corporation
Change Request Form

Section 1 through 4 to be filled out by Foster Wheeler, Section 5 to be filled out by Navy

PROJECT:	OFS No.:	Change Request Form:
Navy RAC D.O. 65	1284-0065	CRF - 005 Rev. 0

To: Bob Krivinskas Dept.: ROICC Location: Newport, RI Date: August 24, 2000

Re: [ ] Drawing No. _____ Title _____

[X] Spec. No. Workplan, Section 3.3.1 Title Fuel Line Closure

[X] Other _____

1. DESCRIPTION *(Items involved, submit sketch if applicable)* Oil present in Chambers E-16 and E-22 has resulted in increased cost.

2. REASONS FOR CHANGE *(If from disposition of nonconformance report, list report number)* The oil in the chambers has resulted in increased time, material, and labor to complete the asbestos abatement. Additional resources needs to be mobilized to complete the asbestos abatement.

3. RECOMMENDED DISPOSITION

[ ] Technical Clarification [NTR & COTR approval required]
[X] In Scope Adjustment [COTR approval required]
[ ] Out of Scope [CO & COTR approval required]
[X] Cost Growth
[X] ROM Estimate (If Applicable) $ 15,000
[ ] Schedule Impact (describe below)

FWENC Initiator (Signature/Title): John Hibbs Superintendent

4. FWENC Project Manager (Signature)	Date	Project Superintendent Concurrence (Signature)	Date
	8/24/2000	John Hibbs	8/24/00

5. NAVY DISPOSITION

[ ] Approved per recommended disposition
[ ] Not approved (give reason)
[ ] Approved with modification(s) [describe below]

NTR Concurrence *(signature)*	Date	ROICC Concurrence *(Signature)*	Date
Contracting Officer Technical Representative Approval *(Signature)*		Contracting Officer Approval *(Signature)*	Date

Engineer signs and transmits to Resident Engineer with copies to:

_____ Project Manager
_____ Project Superintendent
_____ Quality Control
Others as Required _____
File: _____
_____

Foster Wheeler Environmental Corporation
Change Request Form

Section 1 through 4 to be filled out by Foster Wheeler, Section 5 to be filled out by Navy

PROJECT:	OFS No.:	Change Request Form:
Navy RAC D.O. 65	1284-0065	CRF - 006 Rev. 0

To: Bob Krivinskas Dept.: ROICC Location: Newport, RI Date: August 24, 2000

Re: [ ] Drawing No. _____ Title _____

[X] Spec. No. Workplan, Section 3.3.1 Title Fuel Line Closure

[X] Other _____

1. DESCRIPTION *(Items involved, submit sketch if applicable)* A larger volume of sediment containing asbestos was encountered in chamber A-10, resulting in an increased cost to complete the abatement.

2. REASONS FOR CHANGE *(If from disposition of nonconformance report, list report number)* The large quantity of of ACM in chamber A-10 has resulted in increased time and labor to complete the asbestos abatement.

3. RECOMMENDED DISPOSITION

- [ ] Technical Clarification [NTR & COTR approval required]
- [X] In Scope Adjustment [COTR approval required]
- [ ] Out of Scope [CO & COTR approval required]
- [X] Cost Growth
- [X] ROM Estimate (If Applicable) $ 3,500
- [ ] Schedule Impact (describe below)

FWENC Initiator (Signature/Title): John Hobbs Superintendent

4. FWENC Project Manager (Signature)	Date	Project Superintendent Concurrence (Signature)	Date
	8/24/2000	John Hobbs	8/24/00

5. NAVY DISPOSITION

- [ ] Approved per recommended disposition
- [ ] Not approved (give reason)
- [ ] Approved with modification(s) [describe below]

NTR Concurrence *(signature)*	Date	ROICC Concurrence *(Signature)*	Date
Contracting Officer Technical Representative Approval *(Signature)*		Contracting Officer Approval *(Signature)*	Date

Engineer signs and transmits to Resident Engineer with copies to:

_____ Project Manager
_____ Project Superintendent
_____ Quality Control
Others as Required _____
File: _____
_____

Foster Wheeler Environmental Corporation
Change Request Form

Section 1 through 4 to be filled out by Foster Wheeler, Section 5 to be filled out by Navy

PROJECT:	OFS No.:	Change Request Form:
Navy RAC D.O. 65	1284-0065	CRF - 007 Rev. 0

To: Bob Krivinskas Dept.: ROICC Location: Newport, RI Date: September 19, 2000

Re: [ ] Drawing No. _____ Title _____

[X] Spec. No. Workplan Title Fuel Line Closure

[X] Other _____

1. DESCRIPTION *(Items involved, submit sketch if applicable)* Road impact for access to chamber V2

2. REASONS FOR CHANGE *(If from disposition of nonconformance report, list report number)* Chamber V2 was demolished during previous road work and access to this chamber is required to complete pipeline closure. The bike lane will need to be temporarily closed and removed to access the pipeline. The bike path will be repaved in this section once the cleaning has been completed.

3. RECOMMENDED DISPOSITION

- [ ] Technical Clarification [NTR & COTR approval required]
- [ ] In Scope Adjustment [COTR approval required]
- [X] Out of Scope [CO & COTR approval required]
- [X] Cost Growth
- [X] ROM Estimate (If Applicable) $ 4,800
- [ ] Schedule Impact (describe below)

FWENC Initiator (Signature/Title): _____ Superintendent

4. FWENC Project Manager (Signature)	Date	Project Superintendent Concurrence (Signature)	Date
	9/19/2000		9/19/2000

5. NAVY DISPOSITION

- [ ] Approved per recommended disposition
- [ ] Not approved (give reason)
- [ ] Approved with modification(s) [describe below]

NTR Concurrence (Signature)	Date	ROICC Concurrence (Signature)	Date
	9/26/00		10/11/00
Contracting Officer Technical Representative Approval (Signature)	10/11/00	Contracting Officer Approval (Signature)	Date 10/11/00

Engineer signs and transmits to Resident Engineer with copies to:

_____ Project Manager
_____ Project Superintendent
_____ Quality Control

Others as Required _____
File _____
_____

D085 CRF07.xls

Foster Wheeler Environmental Corporation
Change Request Form

Section 1 through 4 to be filled out by Foster Wheeler. Section 5 to be filled out by Navy

PROJECT:	OFS No.:	Change Request Form:
Navy RAC D.O. 65	1284-0865	CRF - 008 Rev. 0

To: Bob Krivinskas Dept.: ROICC Location: Newport, RI Date: October 6, 2000

Re: [ ] Drawing No. _____ Title _____

[X] Spec. No. Workplan Title Fuel Line Closure

[X] Other _____

1. DESCRIPTION *(Items involved, submit sketch if applicable)* NUWC asphalt

2. REASONS FOR CHANGE *(If from disposition of nonconformance report, list report number)* Chambers V3 and S2 are located in NUWC in paved areas. After these chambers are demolished these areas will need to be repaved and have lines painted.

3. RECOMMENDED DISPOSITION

- [ ] Technical Clarification [NTR & COTR approval required]
- [ ] In Scope Adjustment [COTR approval required]
- [X] Out of Scope [CO & COTR approval required]
- [X] Cost Growth
- [X] ROM Estimate (If Applicable) $ 2,000
- [ ] Schedule Impact (describe below)

FWENC Initiator (Signature/Title): _____ Superintendent

4. FWENC Project Manager (Signature)	Date	Project Superintendent Concurrence (Signature)	Date
	10/6/00		10/6/00

5. NAVY DISPOSITION

- [ ] Approved per recommended disposition
- [ ] Not approved (give reason)
- [ ] Approved with modification(s) [describe below]

ASPHALT - AK

NTR Concurrence (Signature)	Date	ROICC Concurrence (Signature)	Date
	10/10/00		10/11/00
Contracting Officer Technical Representative Approval (Signature)		**Contracting Officer Approval (Signature)**	**Date**
	10/11/00		10/11/00

Engineer signs and transmits to Resident Engineer with copies to:

- _____ Project Manager
- _____ Project Superintendent
- _____ Quality Control
- Others as Required _____
- File: _____

0085 CRF08.xls

Foster Wheeler Environmental Corporation
Change Request Form

Section 1 through 4 to be filled out by Foster Wheeler. Section 5 to be filled out by Navy

PROJECT:	OFS No.:	Change Request Form:
Navy RAC D.O. 65	1284-0065	CRF - 009 Rev. 0

To: Bob Krivinskas Dept.: ROICC Location: Newport, RI Date: October 3, 2000

Re: ☐ Drawing No. _____ Title _____

☐ Spec. No. _____ Title Fuel Line Closure

☒ Other _____

1. DESCRIPTION *(Items involved, submit sketch if applicable)* Dye test

2. REASONS FOR CHANGE *(If from disposition of nonconformance report, list report number)*

Some chambers have sump with drains that exit the chambers and RIDEM has expressed concern over discharge locations. Per the direction of NorthDiv, FWENC will dye test the remaining chambers prior to demolition and attempt to locate discharge points. If no discharge point can be located it will be so noted. No further action beyond the dye test will be taken to locate discharge points.

3. RECOMMENDED DISPOSITION

☒ Technical Clarification [NTR & COTR approval required]
☐ In Scope Adjustment [COTR approval required]
☐ Out of Scope [CO & COTR approval required]
☐ Cost Growth
☐ ROM Estimate (If Applicable) $ 2,000
☐ Schedule Impact (describe below)

FWENC Initiator (Signature/Title): _____ Superintendent

4. FWENC Project Manager (Signature)	Date 10/3/00	Project Superintendent Concurrence (Signature)	Date 10/3/00

5. NAVY DISPOSITION

☐ Approved per recommended disposition
☐ Not approved (give reason)
☐ Approved with modification(s) [describe below]

NTR Concurrence (Signature)	Date 10/6/00	ROICC Concurrence (Signature)	Date 10/6/00
Contracting Officer Technical Representative Approval (Signature) 10/11/00		Contracting Officer Approval (Signature)	Date 10/11/00

Engineer signs and transmits to Resident Engineer with copies to

_____ Project Manager
_____ Project Superintendent
_____ Quality Control
Others as Required _____
File _____

D065 CRF09.xls

Foster Wheeler Environmental Corporation
Change Request Form

Section 1 through 4 to be filled out by Foster Wheeler. Section 5 to be filled out by Navy

PROJECT	OPS No.	Change Request Form
Navy RAC DAC 65	1284-0065	CRF 010 Rev. 0

To: Bob Krivinskas Dept.: ROICC Location: Newport, RI Date: October 18, 2000

Re: [ ] Drawing No. _____ Title _____

[X] Spec. No. Workplan Title Fuel Line Closure

[X] Other _____

1. DESCRIPTION *(Items involved, submit sketch if applicable)* Pipeline inspection at Pier 1

2. REASONS FOR CHANGE *(If from disposition of nonconformance report, list report number)* Integrity of pipe at Pier 1 is questionable due to corrosion. Pigging and pressure testing could potentially result in a release. It has been reported that the pipe was cleaned prior to being removed from service. FWENC proposes to visually verify the cleanliness of the pipe to determine if pigging and pressure testing can be waived. The following will be implemented to verify the cleanliness of the pipe.

Swab Test: Crews will use plumber's drain snake with an absorbent swab attached to the end to determine if the piping under the pier has oil remaining in it. The snake will be introduced into the pipe through the 4" sections of loading stations on the pier. The snake will be inserted as far as it will go. The snake will be removed and the absorbent material will be checked for oil residue. It may be necessary to cut the tops of the pipes to gain access. Areas that need to be cut will be grouted closed.

Video Inspection: Crew will use video inspection camera to view the interior of main fuel pipe on pier 1. The camera will be inserted at 6 of the topside fueling stations along the pier. Access will be gained through the 4" pipes. The camera will be pushed down the pipe until it drops into the main fuel line or it meets refusal. The video will record the interior condition of the pipe and note if there is oil present. It may be necessary to cut the tops of the pipes to gain access. Areas that need to be cut will be grouted closed.

3. RECOMMENDED DISPOSITION

[X] Technical Clarification [NTR & COTR approval required]
[ ] In Scope Adjustment [COTR approval required]
[X] Out of Scope [CO & COTR approval required]
[ ] Cost Growth
[X] ROM Estimate (If Applicable) $ 2,900
[ ] Schedule Impact (describe below)

FWENC Initiator (Signature/Title): [signature] Superintendent

4. FWENC Project Manager (Signature)	Date	Project Superintendent Concurrence (Signature)	Date
[signature]	10/18/00	[signature]	10/18/00

5. NAVY DISPOSITION

[ ] Approved per recommended disposition
[ ] Not approved (give reason)
[ ] Approved with modification(s) [describe below]

Concurrence (Signature)	Date	ROICC Concurrence (Signature)	Date
[signature]	10/26/00	[signature]	10/26/00
Contracting Officer Technical Representative Approval (Signature)		Contracting Officer Approval (Signature) [signature]	Date 10/26/00

Engineer signs and transmits to Resident Engineer with copies to:

_____ Project Manager
_____ Project Superintendent
_____ Quality Control

Others as Required _____
File: _____

Foster Wheeler Environmental Corporation
Change Request Form

Section 1 through 4 to be filled out by Foster Wheeler. Section 5 to be filled out by Navy

PROJECT	OFS No.	Change Request Form:
Navy RAC D.O. 65	1284-0065	CRF - 011 Rev. 0

To: Bob Krivinskas Dept.: ROICC Location: Newport, RI Date: October 23, 2000

Re: [ ] Drawing No. _____ Title _____

[X] Spec. No. Workplan Title Fuel Line Closure

[X] Other _____

1. DESCRIPTION *(Items involved, submit sketch if applicable)* Tank interior cleaning - Chamber A-16

2. REASONS FOR CHANGE *(If from disposition of nonconformance report, list report number)* The tank at chamber A-16 contains approximately 2" of sludge soil. This soil was sampled and the results indicated that the material has lead and arsenic above the RIDEM RDEC. The tank needs to have the soil removed and be pressure washed prior to disposal at a metal recycling facility.

3. RECOMMENDED DISPOSITION

- [ ] Technical Clarification [NTR & COTR approval required]
- [ ] In Scope Adjustment [COTR approval required]
- [X] Out of Scope [CO & COTR approval required]
- [X] Cost Growth
- [X] ROM Estimate (If Applicable) $ 3,500
- [ ] Schedule Impact (describe below)

FWENC Initiator (Signature/Title): _____ Superintendent

4. FWENC Project Manager (Signature)	Date	Project Superintendent Concurrence (Signature)	Date
	10/25/00		10/23/00

5. NAVY DISPOSITION

- [ ] Approved per recommended disposition
- [ ] Not approved (give reason)
- [ ] Approved with modification(s) [describe below]

NCR Concurrence (Signature)	Date	ROICC Concurrence (Signature)	Date
David Cooper	10/26/00		10/27/00
Contracting Officer Technical Representative Approval Signature		**Contracting Officer Approval Signature**	**Date**
			10/30/00

Engineer signs and transmits to Resident Engineer with copies to:

_____ Project Manager
_____ Project Superintendent
_____ Quality Control

Others as Required _____
File: _____
_____

Foster Wheeler Environmental Corporation

Change Request Form

Section 1 through 4 to be filled out by Foster Wheeler. Section 5 to be filled out by Navy

PROJECT.	OFS No.:	Change Request Form:
Navy RAC D.O. 65	1284-0065	CRF - 012 Rev. 0

To: Bob Krivinskas Dept.: ROICC Location: Newport, RI Date: November 1, 2000

Re: [ ] Drawing No. _____ Title _____

[ ] Spec. No. _____ Title Fuel Line Closure

[X] Other _____

1. DESCRIPTION *(Items involved, submit sketch if applicable)* Chamber drainage investigation

2. REASONS FOR CHANGE *(If from disposition of nonconformance report, list report number)* FWENC was asked to prepare an CRF to investigate chamber drainage.

This estimate was prepared based upon the teleconference held on October 27, 2000, which discussed the investigation of the drainage system associated with the chambers for the fuel line located along Burma Road. The attached files list the basis for the estimate. FWENC would trace the drainline from one chamber to determine the lines destination.

3. RECOMMENDED DISPOSITION

[ ] Technical Clarification [NTR & COTR approval required]

[ ] In Scope Adjustment [COTR approval required]

[X] Out of Scope [CO & COTR approval required]

[X] Cost Growth

[X] ROM Estimate (If Applicable) $ 35,400

[ ] Schedule Impact (describe below)

FWENC Initiator (Signature/Title): _____ Superintendent

4. FWENC Project Manager (Signature)	Date	Project Superintendent Concurrence (Signature)	Date
	11/1/00		11/1/00

5. NAVY DISPOSITION

[ ] Approved per recommended disposition

[ ] Not approved (give reason)

[ ] Approved with modification(s) [describe below]

NTR Concurrence *(signature)*	Date	ROICC Concurrence *(Signature)*	Date
			11/2/00
Contracting Officer Technical Representative Approval *(Signature)*		Contracting Officer Approval *(Signature)*	Date

Engineer signs and transmits to Resident Engineer with copies to.

_____ Project Manager

_____ Project Superintendent

_____ Quality Control

Others as Required _____

File: _____

Foster Wheeler Environmental Corporation
Change Request Form

Section 1 through 4 to be filled out by Foster Wheeler, Section 5 to be filled out by Navy

PROJECT:	OFS No.:	Change Request Form:
Navy RAC D.O. 65	1284-0065	CRF - 013 Rev. 0

To: Bob Krivinskas Dept.: ROICC Location: Newport, RI Date: November 14, 2000

Re: [ ] Drawing No. _____ Title _____

[X] Spec. No. Workplan Title Fuel Line Closure

[X] Other Swab tet and video inspection of pier 1

1. DESCRIPTION *(Items involved, submit sketch if applicable)* Results of pipeline swab test and video inspection at pier 1

2. REASONS FOR CHANGE *(If from disposition of nonconformance report, list report number)* The results of the swab test and video inspection indicate that there was no free product present in the pipe. There was staining observed on the pipes inspected.

Swab Test : On November 1, 2000 the crew used a plumber's drain snake with an absorbent swab attached to the end to investigate the piping under pier 1. The snake was introduced into the pipe through the 4" sections of the loading stations. The snake was inserted as far as it would go (approximately 6' to 8'). The snake was removed and the absorbent material was checked for oil residue. Oil residue was located at 2 locations (loading stations N1 and N2). The remaining 4 loading stations had no oil residue. FWENC determine that the residue at stations N1 and N2 appeared to be trapped at the elbow below the loading station. Absorbent material was used to collect this residue to allow video inspection of the pipeline. See attached table for swab test summary

Video Inspection · On November 7, 2000 the video crew viewed the interior of fuel pipe on pier 1. The push camera was inserted at the 6 topside fueling stations along the pier. Access was gained through the 4" pipes. The camera was pushed down the pipe until refusal was encountered. The video recorded the interior condition of the pipe and noted the absence of free product and only the presence of staining. See attached table for summary of results.

Based on the swab test and video inspection of the pipeline the pipeline under Pier 1 should be assumed to have been cleaned and no further action is recommended.

3. RECOMMENDED DISPOSITION

[X] Technical Clarification [NTR & COTR approval required]
[ ] In Scope Adjustment [COTR approval required]
[ ] Out of Scope [CO & COTR approval required]
[ ] Cost Growth
[ ] ROM Estimate (If Applicable) $
[ ] Schedule Impact (describe below)

FWENC Initiator (Signature/Title): _____ Superintendent

4. FWENC Project Manager (Signature)	Date	Project Superintendent Concurrence (Signature)	Date
	11/15/2000		11/15/2000

5. NAVY DISPOSITION

[ ] Approved per recommended disposition
[ ] Not approved (give reason)
[ ] Approved with modification(s) [describe below]

NTR Concurrence *(signature)*	Date	ROICC Concurrence *(Signature)*	Date
Contracting Officer Technical Representative Approval *(Signature)*		Contracting Officer Approval *(Signature)*	Date

Engineer signs and transmits to Resident Engineer with copies to:

_____ Project Manager
_____ Project Superintendent
_____ Quality Control

Others as Required _____
File: _____
_____

CRF-13

PIER 1 INSPECTION RESULTS
FOR
FUEL LINE CLOSURE
NAVAL STATION NEWPORT
MIDDLETOWN, RHODE ISLAND

Location	Swab test results	Video Inspection
N1	oil residual encountered at elbow, removed with absorbent material	Black staining on pipe, no oil residual coming out on camera or rod
N2	oil residual encountered at elbow, removed with absorbent material	Black staining on pipe, no oil residual coming out on camera or rod
N3	dry	Slight black staining on pipe, no oil residual coming out on camera or rod
S1	dry	Black staining on pipe, no oil residual coming out on camera or rod
S2	dry	Black staining on pipe, no oil residual coming out on camera or rod
S3	dry	Slight black staining on pipe, no oil residual coming out on camera or rod

Notes : N = North
S = South
1 = eastern side of pier
2 = middle of pier
3 = west side of pier

APPENDIX K

FIELD NOTES

PROJECT SUPERINTENDENT'S

FIELD NOTES

BOOK 1

PAGES 26 TO 160

26 DO 65
Fuel line closure

7/24/00

0615 Onsite

0645 Base security @ trailer - tractor trailer for asbestos @ Pier 1 & 2

0700 Don Pappetti onsite from Charter

0715 Drop tractor trailer @ TF4

0800 Charter setting up @ E12
3rd party monitor onsite

1030 Containment complete @ E12
Samples arrive for bulk asbestos sampling of chambers from Kenyon
provide sample list to Don for bulk asbestos

Note: problem encountered w/Air Flow Rate for clearance samples 3rd party saw says sample rate should be 2.5 lpm and optimum volume is 1600 l. This would equate to a sample time of 10 hrs. Scot obtained permission to sample @ 10 lpm until resolution is achieved.

1400 Now interims are they need to stay late so clearance samples may be collected.

26

7/25/00

0615 onsite

0630 Charles to conduct HES briefing @ work area.

- clearance sample okay for chamber abated on 7/24/00

setup @ E13 & E12

51

7/26/00 Wed

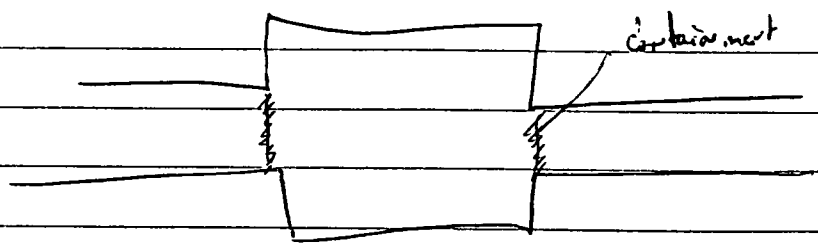
0615 onsite

0630 Charter onsite

0700 Scott Environmental onsite

Charter to abate A13 + E14, set up @ A14 or E15

0820 go to E10 Asbestos present in pipe tunnel, abate to Edge of Chamber



7/27/00 Thurs

Fixed digsafe requests for chamber demolition for Globals Access

7/28/00 Prov gas - gas off Green lane in woods to fire fighter tracking area. (Mike Noones)
line is measured off chambers

32

7/31/00 Monday

8/1/00 Tuesday

0615 @ Holden onsite

0730 Bob - work @ A18

0900 Progress meeting.

0930 Go to TF4 stagers area.

0940 Go to chamber A-18

0950 Rob K offsite

1100 Spoke to Carl T concerning tunnels from CTF5 → TF4.
place poly in tunnel

34

8/2

8/7

8/7/00 Monday

0630 onsite

0700 HSS Brief - John Anderson start onsite

0705 E-mail from Bob K - okay to increase pump rate for decon sampling

0710 - Charter to abate chambers

0730 Go w/ J Anderson to show locations of fence to be installed

8/8/00 tuesday

0630 Onsite

0700 H&S Am brief

Continue set up @ TF4

0900 bob K will not go to meeting, please send out progress report

→ 17 chambers have been abated. 29-39 possible

8/9/00 Wednes

0700 Onsite - global, charter, FWCMC

0730 AHS Review w/ global

0740 Call dick houlahan concerning Dennis Giorgi

-

0800 Global starts @ DFSC
charter @ A-10 to do abatement

0945 Nick from Charter says man went into woods
by TF4 - Inform Bob K.

1100 Call Bob K. concerning access for global
into Ted hoods property
security / base police @ TF4

1105 Call Gray Cappi @ Ingham concerning physicals

1230 Call John Palmer @ Charter
- Quote for A-16
- no work on monday
→

8-10 Thursday

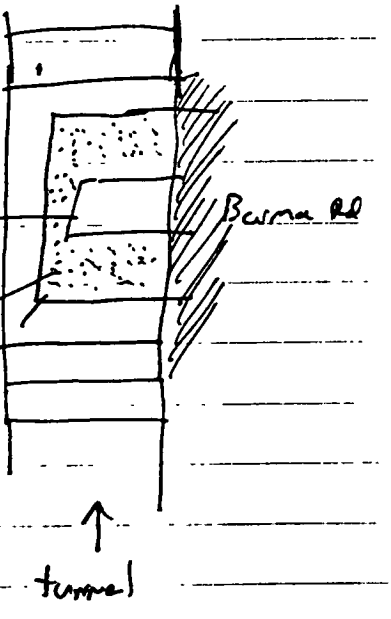
0630 Onsite -

0700 Safety meeting - Global & FWENC ; Charter conducted mtg.

0730 start diggin @ E-6 to find chamber

1000 Call Bob K (ROICC) to come look @ E-6.
E-6 is @ Edge of Road and extends under the Road.

Cannot determine if chamber is full of dirt or if chamber is empty.



1035 Bob K mentions that pallets and poly should be placed in floor of chambers creating a false floor. to address asbestos in tunnels. (3rd party concern

8-10-00 Cont

1040 Back fill initial trench, fence off excavation, and leave chamber area exposed.

1100 Move to locate A-6. begin trenching on east side of burma rd. find pipe tunnel E follow south to locate chamber.

1200 Lunch

1230 restart @ A-6. trenched ~ 30' south w/o locating. begin trenching North.

1330 Locate chamber remains.

rebar sticking out of Ground.

chamber was demolished & backfilled. Status of pipe unknown.

chamber edge was ~105' from white line of Bike path

chamber was filled w/ concrete & SAND.

not able to investigate further w/o affecting road

1400 Attempt to locate AE 6 chamber

8-10-00

1420 chamber found - intact but no Lid (Concrete on top)
Secure w aluminum hatch from TES.

Tell Russ to get list of personnel ASAP.

1600 Cleanup & Restore Site.

44

8-11-00

0630 onsite

0700 H&S meeting w/global

0800 Access pits E16, E22
both have ~ 40" of water

0850 Mike Noones Prov gas called
re: digsafe's submitted on 8/10/00
E1, E2, E3, A3, E4, A4, E5, A5, A7
No gas.

8-15-00

0650 Onsite

0700 HES Brief

- Global to work @ Melville
- Charter to work along Burma Rd

0900 progress meeting

8/15

Mike Grossman

841-2261

1340 utility NAVSTA

conforms overhead

fiber optic

fiber alarm

cable

pn

8-16-00

0650 arrive

0700 H & S Brief
Global - vac truck
Charter - A17,
Future A16, open E16, E22,
TF5 CT53, A19

0930 Slight sheen on water in E22 & E16 Global will vacuum water w/oil & place in Frac tank. Charter will remove last of water

1030 Water in pipeline from A-10 to TF5 being pumped by vac truck.

1500 charter needs to stop work to mobilize better filter Equipment.

1555 Call Mike Grossman to ask about hydrants near TF 5. one behind fire station school. use backflow preventer

Global removed ~ 10,000 gallons from pipeline (South of) A10

8/12/08 Thursday

0630 onsite

0700 Safety meeting

- Global pump ~~take out~~ material out of pipeline @ C-18
- Chamber - Not working
- TWENC - excavate @ CT-53
- Cut slab @ A19.

0900 Steve Lowe concerned that GW may be entering pipeline @ chamber A10

0930 Spoke w/ Curt T.

- Chamber abatement will start affecting global
- Global ready answer for Video inspection

-

940 RS Rental arrives w/ saw, generator, hammer drill. Saw blade not thick enough for chamber roof.

1200 lunch

1300 Restart @ Chamber A19

8/16/00 Friday

0700 Onsite, HES briefing

0

8/18/00 Friday

1620 talk w/ Greg Capp concerning physical for Global's transfer
physical not required only if driver has no
potential for exposure

1340 Call Tim Berbank of Global
training certificates
access to U2
Global sending 2 waste profiles to mark Reilly

Monday 8-21-00

0640 onsite

0700 H&S Brief
- Cobble Melville OFS
- Charter AE-6, E16
- Fwerc - test pits / open runways / Backfill

0700 Carl's plan for pressure test (Read pressure)
- Draw off 20,000 gal
- read after water withdrawl
- wait 1-2 hrs - read pressure again
- see if pressure changes

1120 Ed called to say cables hit @ chamber E1
Not marked - CATV; old Electric line
runway called cable company. repair man came & placed
temporary splice

8/21/00

1500 - Global offshore ready to pig pipeline @ Defense fuel.
- Don't have pigs
- Don't have pressure valves

1540 Go to A16 w/ Don:
water ~3' deep
Sediment all over floor

1545 Double portion of mud work (for additional bld work) on phone w/ Palmer

8-22-00 Tuesday

0630 Onsite @ Founder

0700 HES Briefing

0840 Ron Pippitt says there is an additional room off chamber E-22

0855 Call Carl Tippmann
- Chamber E22 will by 1.5 times price of chamber due to increased size

0900 Weekly meeting

0940 Call Cable (Bill) to remove dig safe @ chambers SEK marked gas

1330 global piging pipeline @ Bld 58, Pig stuck – don't know where

1400 global to pump oil out of E-16

1515 Finish @ E-16, go to bld 58.

price for truck, teamster, labor is $150/hr

1600 Dan (charter) @ trailer to discuss Asbestos clearance sampling in E-16. oil, mud, & Asbestos still present.

1630 Steve (Global) called to say 3 pigs located

1730 Carl tippmann- send - Email concerning E-16 + oil.

50

8-23-00

0630 Onsite

0700 H&S Brief
- global, pump AE6
- conduct pressure test
TW4NC - excavate chamber tips
- collect soil samples

0910 @ Bld 58. 1 pig recovered.
Still ~ 1/2 of product in line.
will be re pigged & pressure tested

still pumping @ AE6

0930 JAR loaded ~ 10 yds of material for EDF

1320 Carl Hammon
checks - what do they envision being complete
evaluate schedule / costs
Global - rigged 1 section, need to rig
- preparing for AE6 video
- track quantities
- water profiles

1510 Collect samples @ E1 and E2

1550 Call from Don Pipatti
additional cost oily chambers to be fixed

1640 @ Bld 58
rigged 2nd time from 58 to 33
- more liquid on 2nd time through
- if Global has time then they will video

1645 AE6 secured for night

8/24/00 Thursday

~~Jim Jones to doing bunker demolition~~ JMJ

0630 Onsite

0700 Safety briefing
- Global - video/weld
- Furnace - tops of chambers

AE6 to A6 205'
E6 235' video 300' to north

0815 finish @ AE6, Global cleaning up

0900 video @ Bld 58, pig 40' from End

1040 Video @ A10; ~330 to E11 (South)
1140 finish @ A10 - pipe full of water
- cant see

8/24/00

1140 -Welding @ AE6 to put flanges on.
- will pressure test @ Bld 58 this afternoon (Thurs 8/24).

1320 Backhoe has flat tire; valve stem ripped off

1500 flat repaired
- Global welding @ AE6
- working @ C-18 to stop pipe pumping water from pipe @ C18

Monday 8/28/00

0630 Onsite
0700 H&S Briefing
Global – Bld 58 pressure test
– pump @ C18
– pig C18 → AE6
Charter – A16
FWENC – E7,

→ Global pressure test pipe @ Bld 58
– pig pipeline from A16 to AE6 (twice)

→ Charter remove water from A16
" mud from A16

FWENC – misc Activities

62

8/29/00 tuesday

0645 Arr. Le

0700 Am Briefing

1345 Call Dave Cooper

Discuss CAF #2

→ Video inspection at A6, E6

→ Sample @

#3

→ Oil in chambers

- mobilize equipment & supplies
- remove asbestos, pressure wash material

→ Extra material in chamber A10

1.5' of material

Call from Dave Cooper

1430 Chambers A16

- under road
- removal
-

* E16 & E22 (~15,000)
  → bid ~3 yds in each chamber
  → requested backup info for cost

* Volume of material removed from chamber A16

Tuesday 9/5/00

0630 onsite

0700 Hts Briefing

0730 Go to get new hose for excavator

0800 Return to site, repair hammer

0900 Speak to Carl T regarding progress

1000

1400 Steve (Global) Talking about chamber demolition

1300 Meeting ~~Project~~ PM
- Biweekly progress meeting

1330 Demolish Chamber A3

1400 Continue demolition; collect soil sample from NE Corner floor.

1530 Backfill A3

1730 offsite

9/6/00

0630 onsite

0700 Morning meeting

0730 TFS to find fittings for Global.

- Global - remove valves
- pig A10 ← E16
- remove liquids

FWENC - pump A16
- demolish & sample E-3
- move valves/fluids to global

0800 complete volume estimate for Carl T (liquid)

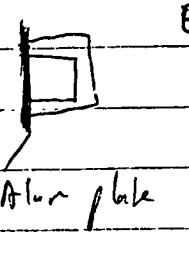
0830 E-mail Bob K re: U2 bile path closure

0915 Discuss volume estimate w/ CARL
pipe is ½ wall thickness

1600 go to E16, can't get valve out,
use hammer to loosen valve, demo side of
entrance.

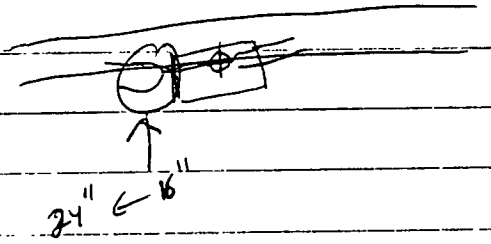
9/6

1230 Rb K @ E16



OICAy w/o Jersey barrier
flow ckb fill for

1245 UZ



Estimate to fix road.
Discuss barriers

9/6/00

1330 At trailer,
→ Marty from ROICC @ site
→ Steve (global) flanges are different size in E22, E16, A16

1410 Call Newport NPNL Cable to remark @ E-3

1414 Cable Company on way

1420 Call Charter
→ Add Code 44 to Disposal of trailer

→ Drums to go to general chemical

1540 Carl okayed different flanges for E16, E22, A16

9/7/00 Thursday

0630 onsite

0700 Meeting

- Future - (Demolition & Sampling)
- Global - work in E22, A16
- ship Liquid to Clear Harbors

0730 start work

Dean Peterson - JH asked about obtaining backup info from global

0800 Fuel delivered

0810 Global to remove piping in E22 and A16

8845 Russ move pump to E-22

Glenn oil w/ vac truck

pump water w/ pump

0900 Call from Tim Barbarle concerning backup

0940 Go to S Behr's office - provide project update

70

1100 Paul Kulpa onsite, call shannon.

@ Chamber A4
- Pressure tests
- drains
- Sample from below drain locations
- Asbestos - not abated in ~~chamb~~ tunnels
  - only on steam line
- Rebar in concrete - state regs
  - ~~Concrete~~ no Rebar - solid wast
  -

@ A-16 - valves
- tank - steam -
- pump - for steam
- PK wants day notice for Equip removal or floor exposure

PK asked about lines crossing streets from E-22, E-16, A-16

Oil in bucket from fuel line. drain valve in A-16

1155 Done w/ visit shannon & Paul offsite

1350 Martin Kawa - Rotec

- Silt fence around piles
- rebar sticking out of Chamber
- fence around Active areas
- Compaction required

1410 Coal Tipper

Process - backfill
- water A16
- rebar in chambers

1540 Called A5 Sample

9/8/00 Friday

0630 onsite

0700 H&S Brief
- Global values in E-22 & A-16
- FUENC - salt fence, orange fence

0915 Global finished w/ cutting bolts in E-22, moving to A19

945 @ Bob K's office.

① Stone ~~Gravel~~ - chunks
- fabric
- Gravel
- flowable fill
- topsoil

Compaction - backhoe ok

rebar - eliminate loose pieces

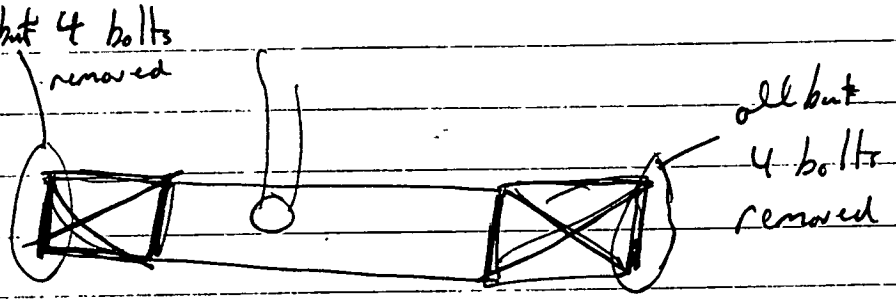
Settles w/in year return to fit

1000 Speak w/ carl tippmann about ~~cost~~ ROICC's issues

1200 Jose takes bag filters to Damian

1300 Global working in AIB cutting bolts.

1500



will need to be pumped on monday

74

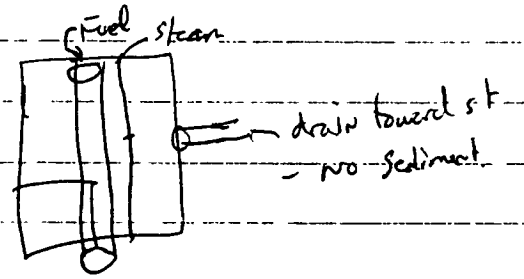
9/11/00 -monday

0630 onsite H+5 Brief

→ Set up pump @ E16

→ Done chambers from TF3 → TF4

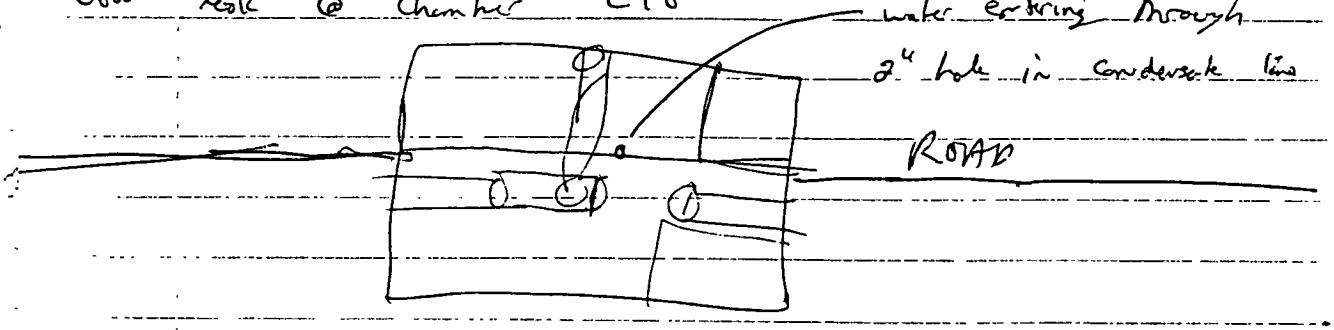
→ Go to A7 inspect chamber & photograph

- 

0700 Global onsite

- to pig line from E16 - A10
- pressure test line
-

0800 look @ chamber E16



0930 Call ~~from~~ S Behr of NAVSTA Environmental
- will remove loose rebar from chambers prior to backfill

0945 Begin demo on E8,

1030 Go to Bldg K to submit dig safe
- Material stored for A16 is in another Contractors area

1310 Sample A8 (Ed) - begin rebar removal.

1330 Bow gors dig safes submitted on 9/8/00 are all set.

1330 Global moved to TFS to pump @ A16
& cut bolts.

9/12/00 tuesday

0630 Onsite
- H&S Brief
- FWENC - Sample/Demo chambers

0200 Global onsite
- pump @ A16 (pipeline) (need to pump H_2O out)
- work @ U1/CT53
- work @ A19

0730 Sample A7

0800 Get ice for samples

0830 Sample E8

0930 Go to TF5 - Global working @ CT53/U1
- pumping @ A16

20 built Blanks to arrive this afternoon

9/13/00 Wed

0630 Onsite ; Hs Brief

FWENC - Demo E9 & A9

Global - pig E16 → A10

AM Raining

0200 Global Onsite

- Russ says they have flanges & will be piging

0800 placing flanges on E16 to prepare to pig.

0930 Bob K.

U2 - Okay w/road impact

Rebar E-mail 3 CY not 10 - discussions in office (NAVSTA)

9/12/00 8:30

filling occured leave alone, free rebar recycle

recycle - cut Rebar recycle

1000 @ E16 - pipe open - call global - can't reach

- need to blank off pipe

1040 Call from Don Pippatti (charter)

- ponds - monday 18th ; drums & trailer after.

- will confirm w/ John palmer

9/13/00

1100 Inform Ed to demo lid to chamber E10, move concrete & Rebar to side & collect samples.

1300 meet w/ Tim & Steve from Global
① All comm through Steve (or tim)

② All flanges well be secured w/ bolts & Gaskets after opened.
20 bolt -300 lb
15 bolt 150 lb

Global would like FWENC to dewater Bld 73 3 weeks prior to work being conducted
Q: Does everything @ Bld 73 have to be flanged @ end of job - misc pipes @ 73 will be pumped/flushed to clean

pier 1 - pipe has hole was cleaned & blocked off @ vault P1 - what will be done for work.
pier 2 - p4" ; fd rod/flush/pig 12"
pipeline from V1 to Bld 73 - leave pig in line.
reduce excavation of soil

1500 E4 lots of water difficult to take sample

9/14/00

0630 Onsite HS Brief
- FWENC Plaster Site
- Global - 3 trucks to Clt
- pig & pressure test
- cut pipes

0700 Global onsite

0710 Steve from Global onsite.

0800 Call Steve (Global) and tell him to have Clt ship trucks @ Blo N

0830 - Check CME truck @ Scale
0855 - finish @ Scale

0930 Global working @ E16 & A10
- Steve - drop flange @ E16, load another pig.

0940 Reversed flow - bleed off pressure, check for pigs @ A10

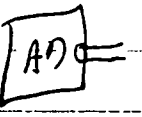
1030 Steve - pig @ A10. will get hardware for pressure test

B2

9/14/00

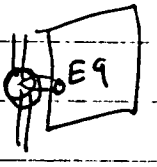
1050 Paul Kulp of Ripsm onsite

1115 @ A7 - Backfill
- removed rebar from vault. placed stone, place fabric; topsoil
PK ⇒ Drains ~~[illegible]~~ (No material in drains)
- inspect for material in drains
- ~~No~~ drainage on maps



Paul - UIC or Storm drain
- have to determine where drainage goes
JA - out of scope

1120 Chamber E9.
Ask about drains - does every drain have a manhole. Y/N?



Rebar will be removed

9/14

Chamber A10

- shear or Water (bolt oil) to remove valve (photos)
- prepared for valve removal
- Concrete on floor
  → piped
  → Drains - where drains are (location)
  → mostly water
  pooling or pipe (bottom)

1135 Inspecting pig (photos)
- explain ~~enter~~ pig process
  ② pressurize line - remove liquid
  ① vacuum line - inject pig

(PK) PSI (25 @ E16)

1155 @ E22 - photos
(PK) chamber @ E22 has slight amount of oil

E16 - photos

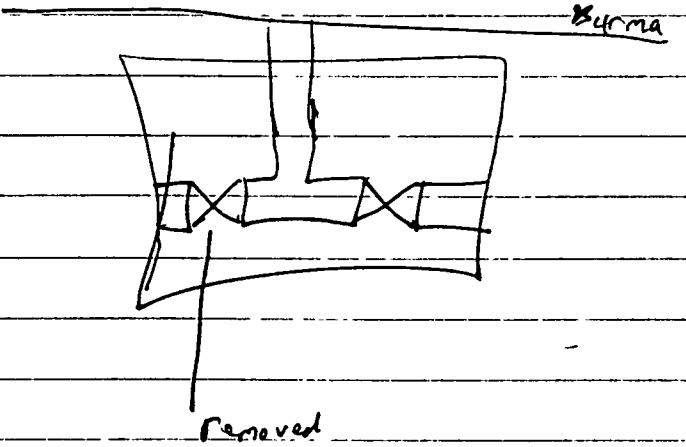
→ Concerns - DRAINAGE

9/14

1200 Kalpa offsite

1430 Drop fox off for shannon; Speak w/Bob K regarding progress

1445 @ E22



E18, pressurizing line
~ been pressuring for 45 min

9/14

1543 leave message for Shannon Concerning rebar
- interpreting regulations

1545 Call Global (from Steve)
- placed 1st flange in E22,
placing 2nd flange in E22

1615 Steve - slimp on cover to E16 (pressure to)
- pressurize E16 → A10
- E22 all blanked off
-

Monday pig E16 → E22
Access A16 valves
PIG E-22 - A16

tuesday A19 → A16

1730 All personnel offsite

9-18-00

0620 Onsite

0630 HES Brief

0700 Global onsite

0730 Go to E16
- Air leaking from flange
- test to be repeated
- CH onsite to take 1 load

0745 talk to steve @ Global
will retest A10 → E16 after evaluating leak

0800 Backfill chamber A9 & E10
pump water from E16, E22, A16

- Steve Global - place boom around intake of pump for E22

Global to pig E22 → E16
to remove valve @16

1200 lunch

1300 Carl tipparow 105,000 gallons removed so far (V1 → Bld 58)

* water in Bld 73. pump to POTW.

1500 @ Bld 70

pressure test A10 → E16

E16 → E22

plan to work on A16 on 9/19/00

1610 load of stone from Ramion

Demo - E7

9/19/00

0620 Onsite

Fwene - Sample chambers from TF4 → Bld 70

0630 Safety briefing - Sampling

0700 Global safety briefing - pig; pressure tests; remove valves

0800 stone delivered to TF4 (Dominion)

0810 John Lane - globals' tripod, unspected

1000 Site meeting @ trailer

1030 Site visit by Bob K.

1045 pig A16 - E22 today

9/20 to work @ A19

A16 5" line under road

1145 Call Tim Burbank (Global)
⇒ Criteria for pass/fail of pressure test
→ General talk about work progress
→ Pressure test - Gauges (100 psi being used)
use gauge 2x pressure range (i.e 50 psi)
→ Concurrence from Rocc on bld 73
- hyd cement
- pigs 1
- leaving pigs in line

1300 Call from Steve,
- ready to pig A16 → E22
- ready to pressure test other pipelines

1325 Call C Tippmore regarding leaving pigs in pipeline, Rocc's office has final say Rocc concurs w/leaving pig in pipeline

1350 Call John Palmer (charter)
- Bag arrived, Vector Pagans anthers
- Drum & tractor trailer to be scheduled.

1400 Drop off dig safe req to Bob K for Bld 73

9/20/00 Wed

0610 Onsite

0620 JA will be late

0630 Safety brief
Set up pumps

0700 Global onsite

0720 get both pumps working

0750 Mike prov gas called re BU23
pier 2, (w/c Carrier) all set

1000 Dave Cooper (Northdiv) @ phone. will arrive
@ 1300 9/21/00

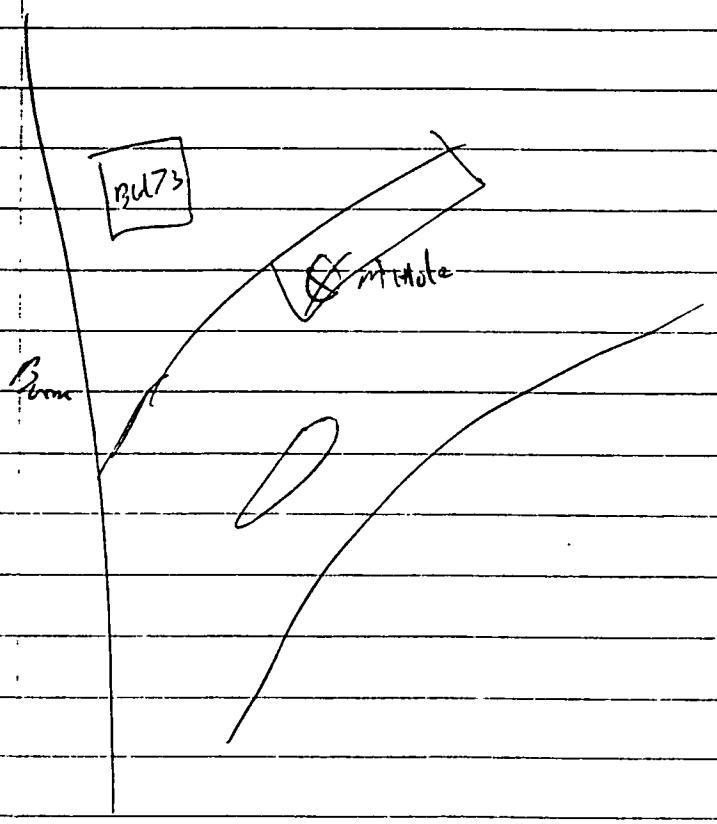
1005 Dan from charter; won't be able to ship on Thursday, will
ship friday.

92

9/20

1030 @ Bld 73 w/ Bob K

- no sheen on water
- Manhole outside fence



1115 go to TF5, move valves @ A14.

- mobilize hammer machine to break concrete to allow valve removal

9/20

1325 E12

- Cracks floor of Chamber too thick for hammer
  pipe for pipes too thick to hammer

Concrete is approximately 2' thick,
Floor is not accessible due to configuration of pipes
Hammer goes ~ 8" and stops

Inform cont of Concrete thickness problem,
Send Bob K an E-mail

1425 pig placed in API on way to A16,
Line from A19 to CTS3 blanked off.

1445 A , Sample on E Side of chamber,
Rod to close.

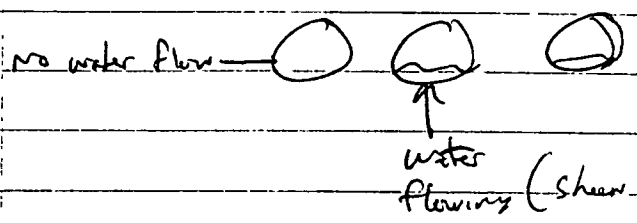
1600 Steve from global;
Schedule for 9/21
- pressure test
E22 → A16
A16 → A19
Next week work @ V2

1620 Dave from Global called Steve,

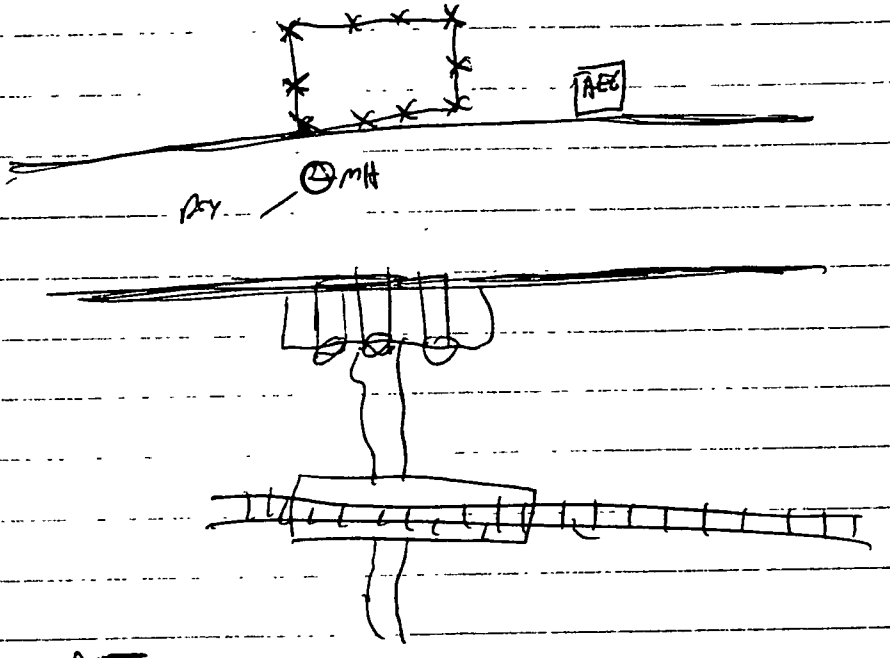
1625 Steve called - go to stream by AE6
Sheen visible on stream, reported to global by passerby

Mobilize boom & boats

Inspect culverts under road w/ flashlight
No inlets identified



1630 Inspect AEG & Manhole
- No water, No sheen in both locations
place boom on stream



1630 Call Carl Tippmann
- Possibly stopped global informed of sheen
- slight sheen present on water
- no inlets/outlets visible in pipes under road
manhole by EG/AEG dry
- sheen looks lighter than oil (not like any we have seen)

1630 leave message for shannon
" for Bob

1635 talk to Melissa Griffin about sheen
- sheen on stream north of TF3
- confident not coming from pipe cleaning operations
- pressure test passed
- manholes associated w/ pipeline dry / no sheen.
- placed boom on stream to minimize sheen going into Narragansett bay

9/21/00 Thursday

0620 Onsite

0630 Morning meeting
- pump @ A16, E22
- place stone in front of A16
- NAVY visit @ 1300
- Demo/sample chambers between A12 & Bld 70

0700 Global onsite
- ~~pig~~ Pat & pressure test E22 → A16
pressure test E16 → A19

0730 1 pump not functioning,

0830 Go to bld 70 area, Public Utils stopped.

0900 Go to bld 73 w/ Ronnie from public works
Fwene installed pipe across ~~access~~ 83/ access road ~~[illegible]~~ port to pier 2 Open sewer @ manhole appears to be a drain

98
9/21/00

0910 Go to Bob K's office
Meet w/ Cornelia Mueller
Discuss sheen on water @ TF3 stream
happened on 9/21/00 @ 1830
Material looks light (gas or light o.i.)
Informed Bob K (voice mail); Shannon (voice mail); and
Melissa (telephone conversation)
Purpose Tried to determine if a release occured,
where material was coming from.
- not from pipeline
- not from TF3

915 ask John Lowe to check stream
No sheen visible

Cornelia asked that if something occurs
call FD 841-3333

0920 Speak to Melissa, Shannon, Cornelia
- did not appear that a release had occured.
- sheen may have come from boat ramp.

0925 Take Cornelia to location
- No sheen observed.
- Cornelia will inform supervisor that it
appeared that a release of <1gal of light oil/fuel
occured.

1000 talk to Jon Cary about bld 73
- ~~use~~ lay flat hose, pump to lift station
- inform mike Grossman prior to pumping

1045 Progress update from Steve (Global)
- welding @ V1
set up air test @ A16 → A19
pig CTS3 - A19

1115 NAUSTA Safety @ trailer
stopped to say Billy almost hit car w/in last 3 days. woman complained about excavator swinging in road w/o guard or warning.

↑ Further investigation by John Lane indicates that the backhoe swung near the road, but not into the road.

1200 Call Lazco about sensor for passport

1300 [illegible] @ trailer

1310 D Cooper of NDoi @ trailer
→ Go to A12, E12, A13
→ Go to TF5

1355 @ TF5,
U1, CT53 look @ $\bar{p}_y$

1410 ~~T4~~ @ Bld M3

1430 @ trailer Dave Cooper, Shannon behr offsite

1500 talk to Carl Tippmann

1530 Call Don (charter) charter will be onsite @ 0700

1615 5,500 gal in tanks @ TF5

9/22/00 Friday

0700 Onsite

0705 Charter onsite to remove mud / pogoons

0900 Check progress - vacturing liquid

1000 off loading vactor in bag of tractor trailer

1300 waiting to get M Rielly approval for shipping

1330 Material offsite

1400 doing paperwork

1500 offsite

note called steve Kane (Global)

9/22/00

[signature]

102

9/25/00 Mon

0610 Onsite.

0630 B Ama onsite → goes to GT site

0710 H&S Briefing - John Love

0730 - Global TI-5, A19, A16, CT53
- Fluence V2 - work @

0830 Message - Shannon, Newport says diesel fuel odor @ POTW

0902 Call Shannon, NO liquid going to POTW

0940 Sue @ reliable fuel - delivery

1000 Call from Dave Cooper
- additional cost $80,000 goal ≈ $32,000

1200 @ V1, setting up test for CT53 → A19

1240 Call Frank from digsafe - look at V2 - down to Verizon cable

1320 Frank from digsafe @ V2

9/25/00

1340 other Bell Atl @ V2, need to fix sheath.
Frank St Martin supervisor

1645 Repair to cable complete

1700 placing yellow flashers & Reflective tape
on barriers

1700 Marty Kawa from ROICC office @ trailer
= not happy w/ bike path blocking
- not happy with lighting / barrels
- not placement of barriers
- not happy w/ signs

Explained we were adding flashers & reflective tape.
- we're adding lights
- signs were placed.
printed & gave him a copy of -E-mail

1730 pick up additional flasher for sign on pole

1830 check barriers & Lighting
1800 Offset

9/26/00 tuesday

0610 onsite

0620 check charter PO

0640 H&S Brief - John Lane

0700 go to Nuwc & place Cones

0730 photograph V2 for Records

0740 leave Bob K a message concerning M Lane's concerns

0830 Bob K onsite @ V2, okay w/ barrier.
wants to be informed when we enter bldg 3
- wants bldg 3 treated as confined space

0900 Continuance of pumping @ V2.

1000 go to trailer, Call J Palmer
- drum disposal - not included in removal
- will be removed on Friday 9/29/00

1030 call Dear - Charter supplement

9/26/00

1045 order trench box from Damian Associates

1145 Grey & Carl on phone
- Grey - call clinic to verify training (John)
-
- John go through me unless immediate danger to personnel

1200 Talk w/ Carl on HSS issues

1220 pier 1 - holes in pipe (Steve)
Pier 2 - pipes don't agree w/ plan

1240 Building 73 issues for confined space

1450: Bob K - Air monitoring prior to Entering Bld 73

1525 talk w/ Grey Cappi about PID vs FID - global has to have an FID

1530 Call Steve Kane (Global) - need FID
~12,000 gal removed

106

9/26/00

1640 D001 hazardous flamable waste Flash between 80°-90°
Tim Burbank - only in 1 Frac tank
Facility in Maine cannot take the liquid
estimate cost & quantity

1700 Call Carl Tippmann
- Incident report for phone cable ?
- flamable waste for floater on frac tank
possibly ~ 6" of liquid (2,000 gal)

A16, V2, V3 global (steve)
1710 remove flange

1745 Carl Tippmann
→ Pier 1 poor condition, cut access hole
under by bulkhead, video tape pipe to see if
clean
→ Pier 2 - need to inspect pipe and discuss
Att → talk to Gray Copp.

9/27/00

0630 ONsite

H&S Briefing

AHA's discussed w/FWENC pipeline cleaning chamber dismantling

0700 H&S Briefing for Global

AHA's discussed CSE pipeline cleaning

0700 FWENC

- trench box @ V2
- backfill 1 chamber
- pump A16
- dmo / sample

Global

- V2, V3 - pump
- Remove flange A16

0730 pump out A16 for Global

Call Frank @ telemetric & mark N side of BLD 73

0930 go to assemble trench box, bolt holes don't line up
Call Ray
trench box is ~9' wide (outside dim)
need it to be 7' wide (outside dim)

1000 Global @ NUWC
Fluent to backfill @ chamber

1105 Shawmut - plant to be onsite @ 1130.
Access to NUWC

1110 leave message for Bob F.

9/27/00

1130 Melissa Griffin Onsite

1140 Paul Kulpa Onsite

1155 @ V2 - pk asks about excavation

- excavation around pipe

pk concerned w/ # of chambers being emptied upgradient vs downgradient.

jk - no sand downgradient

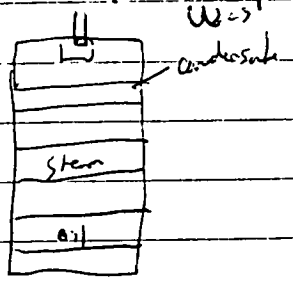
pk are chambers + pipe choices same size,

some are diff sizes

- only chamber open

- pk suggested

1205 @ ATT by NEW Store

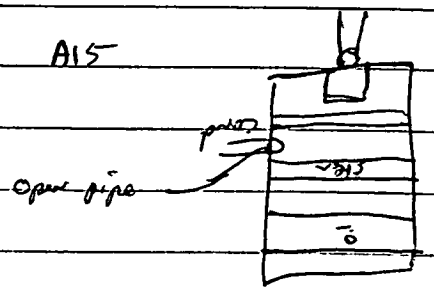


110

9/27/00

Berm Rd

1215 A15



1220 E15

Sump no pipe visible

pK - Concern - Drainage - recommend testing now

1225 offsite pK, MG leave

1530 Call Pan Chester Friday Asbestos will be shipped

9/20/00

1345 Steve Kane
- V2 - Move spoils
- V3 - pumping liquid
- need V2 dig out more, to access 2" valve on bottom

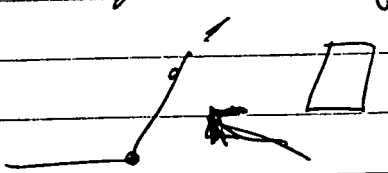
1355 Bob @ V2

1350 Call Frank disseffe - ask him to call Ball ATL Re welding next to phone

1515 Frank from Ball ATL
- Move cable or protect cable @ V2

1555 Mike Grossman - operations
- Have message, Call mike tomorrow 9/21/00

1600 Bob K & Jeff go to N3, Will try to access location from gate east of Guard shack



Wells Not located North of Bldg 3.

112

9/22/00

1600 Message from Bob K
- MAUSTA will mode @ Bld 73

1630 Download forms off internet

1800 offsite

9/28/00 thursday

0620 onsite

0630 H&S Brief - Fwenc - Dano

0700 Global H&S - remove water, U2

0715 FID did not arrive

0740 Call Cassidy & Lee (Gary) Backhoe service

0830 Go to GI Site

→ Go under pier w/ Steve Kane

- determine fuel line location

1000 Back to office

1055 Mike Pow gas / 2 alk about

1100 Mike Grossman

- okay to pump @ Bld 73

1200 pick up Lumber & NAILS

1545 Call Frank telemark

- OK off 73

10/2/00 Monday

0610 On site

0630 HS Brief See daily briefing sheet

0700 Global onsite, HS Brief

TODAYS TASKS

- FWENC - BACKFILL

Global - Pump @ V2

0750 Call mike Grossmann (utilities)

not in

0800 Global working @ V2, V3

FWENC @ E15; E7; Sample V2

1055 Meet Mike of Rov Gas

1100 Mike Grossman - okay to pump @ Bld 73

1200 pick up lumber & Nails

1545 Frank @ telemark - okay @ 73 will meet

to discuss

1600 Call Bob K

- depart @ B473 on 10/3/00
- meting @ 0900

10/3/00

0620 onsite (1 clear Harbors truck @ site)

0630 H&S Briefing
FWENC - Recater @ Bld 73
- demo chambers

0650 - J Anderson, B King, J Holder start setting up pump

0700 Global onsite

0700 Grey Copp. onsite

0730 Global H&S Brief

0800 start pumping
- public works @ Bld 73

0900 Meeting w/ Rich K
Carl T on phone

Rich K - place Ladder @ U2
~ person reported mirror damage

1100 Frank telemark @ trailer
go to bld 73

10/3/00

1130 - w/Global (Steve) ~~as~~ 1' of water in bld 73 -

heavy sheen on water

Call Carl Tippmann

- discuss water in Bld 73
- sheen present
  - bld ~20 x 20, liquid approx 12" deep
- direct global to vac out remaining water and access ~~[illegible]~~ infiltrating liquid

1200 Fuel delivered

1330 Call Tim Burbank from Global

→ Documentation for Disposal

→ Video Inspection estimate (wed)

1345 Call John Palmer - Weights of Asbestos

1400 Call DAVE Global.

~12,000 removed from V2 on 10/2/00

1435 – Call Carl – Global to mobilize an additional Frac tank

1545 – FRAC tank Am
– Move drums
– pump & haul
– ship 2 loads
–

1610 Carl Tippmann
Evaluate oil in Bld 73
– if it will be tracked around
– how often we need to vac out

1615 Steve Kane
– rotten only small <1" of material on floor
– no obvious source of liquid

1645 liquid free from V1 & V2

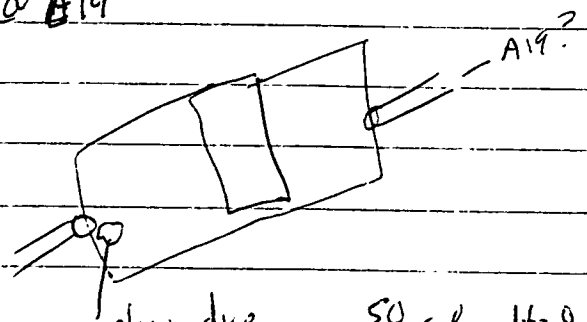
10/4/00

0610 p/u water tank

0630 H&S Brief

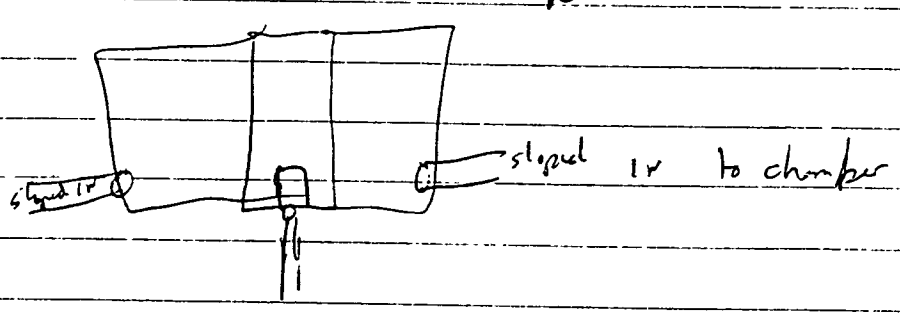
0645 Mobilize to do dye test

0700 @ E19 ← N



place dye, 50 gal H_2O injected, no outlet ident

@ E18 ↑ N

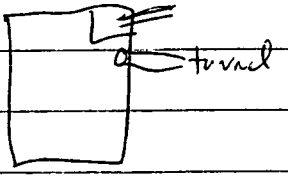


0740 Stop placed dye, placed 60 gal
No outlet identified

10/4/00

0800 A-18

place dye tablets → N



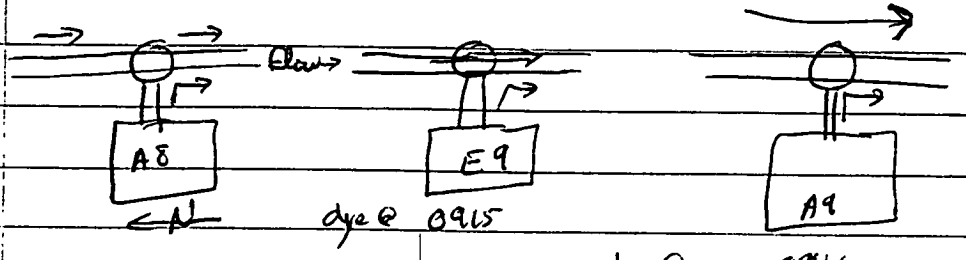
0825 Stop, placed 60 gal in drain. Flowed rapidly

0850 John Lane - found pipe on west side of E18, Adjacent to Chamber (Diameter ~ 4")

0852 Call Mike Fan Public Works -
- will send someone out to look @ pipe @ Chamber 18

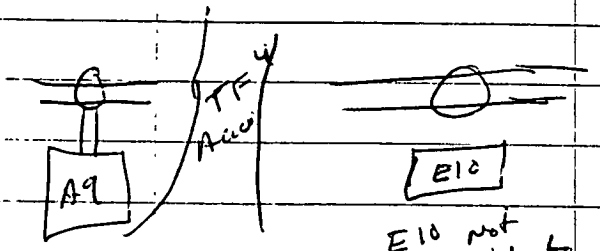
10/4/00

0900 Dye Test (start) @ A8 drain



dye @ 0915

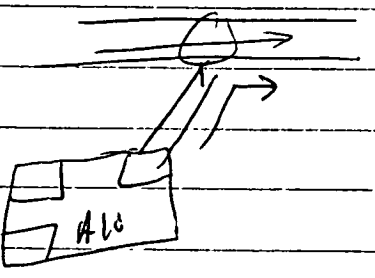
dye @ 0940



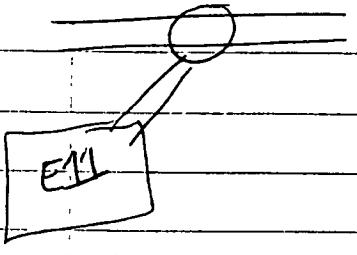
1325 place dye

E10 not connected to drain

dye @ 1340

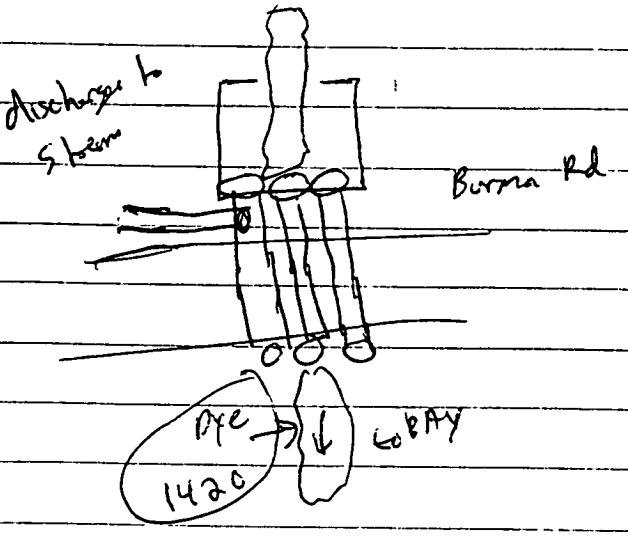


1350 dye @



1355 dye

1410 add more dye



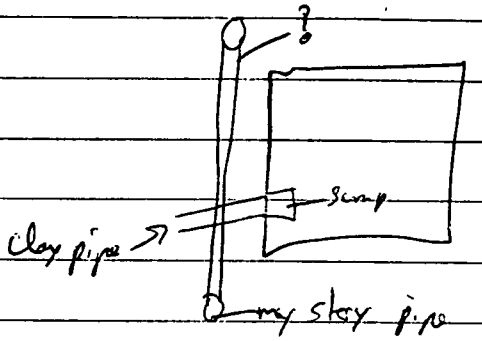
1000 Shannon Behr says D Rose wants her to look into UIC rules.

10/4/00

1000 Paul Kulpa @ trailer
S Behr @ trailer

1025 @ A 18, pipe on West side of chamber

@E18, pipe on west side of chamber



pk asked about
- sewers
- clay pipe
- Dye in sump.

@E19 - pictures
- asbestos removed from chamber

1045 V2 @

1055 @ trailer - Drains
pk asked about chambers dye tested (3 to be demoed)
3 - ~ 60-75 gal each.
walked gully after, gully much deeper than chambers

1100 Dem & NAUSTON offsite

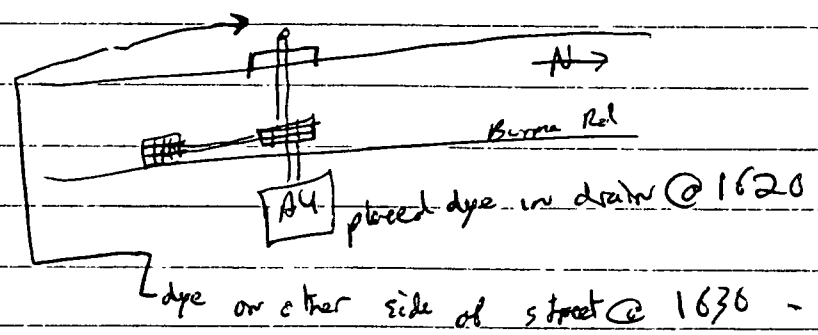
1120 Kevin funnel Vision onsite

1130 Go w/ Tim Burbank & Kevin to pier 1 to look @ fuel line

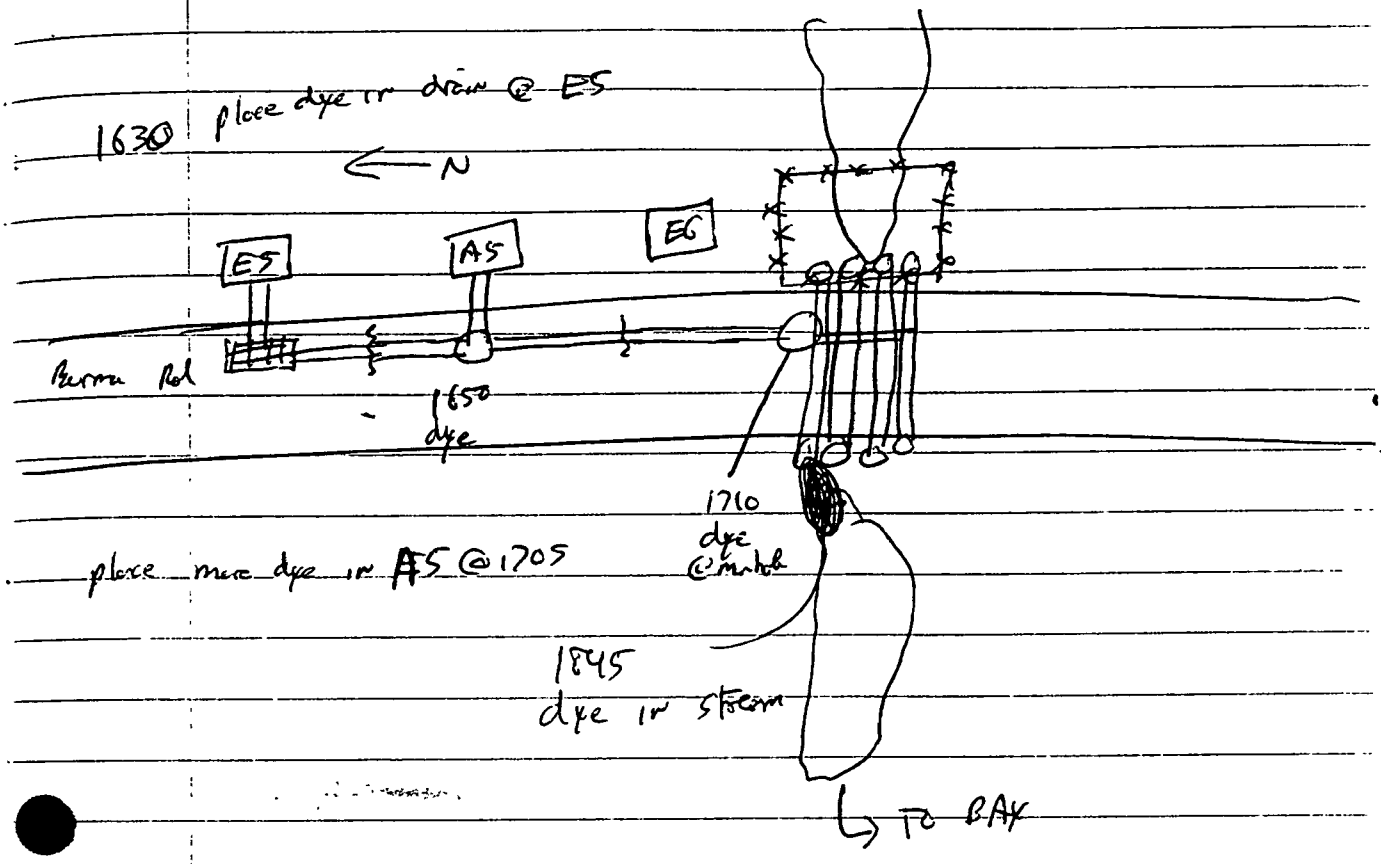
1230 finish @ Pier 1, return to trailer

1300 Get water to complete dye test

1620 test completed, go to chamber A4 to test



1630 Place dye in drain @ ES



place more dye in AS @ 1705

1200 Return to trailer

1400 offsite

10/5/00 Thursday

0600 pick up bulk

0610 onsite

0830 H&S Briefing
- 2 CH trucks onsite
- yesterday backfilled E17,
sampled E18, A18, E19.
Today - backfill E19, sample @ A19 (TF5) CT51

0700 Global - briefing

0735 Call RS Rental to PW pump

0815 Go to inspect activities
- Global @ U2
Fluent @ chamber E19

0830 dye test @ A19 - no outlet identified.
water trapped in chamber

1100 Fluent @ CT-51 (2')
- water trapped in chamber

1200 talk to cath about water in CT-51, need to pump water out. + hammer through floor.

6/5/00

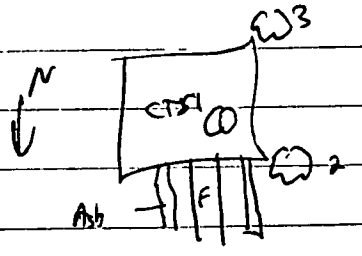
1230 mobilize pump & hose to CT51

1330 Call Bill @ Newport naval cable.
okay to cut cable by bld 73. that
connects to phone pol

1500 @ TF4, need to extend fence for 3rd Frac tank
call Steve - replace fitting w/ cap on tank
- stack frac tanks @ End of day

1400 steve - says he thinks pipeline at Pier 2 full
- plans on welding on 10/10 or 10/11 @ V2, V1

1600 John Lane - CT51 - Asbestos pipe, fuel line, & 3rd pipe
prevent sampling outside of CT51 (N side)
Call Carl Tippmann,
will move outside of
most western pipe to
collect sample



1605 Go to TF4, direct crew where to take sample

1610 return to trailer.

- Global to weld next week.
- 28,900 gal of material in Free tanks
-

Tuesday 10/10/00

0630 J Holden onsite

0630 open TF4 ; Billy brings hammer to office

0650 HES Brief FWENC
- FWENC - Topsoil chambers ; excavate @ Bld 73

0700 Global HES Briefing
- valve removal @ V2 & V3
liquid removal

0945 - Topsoil completed up to TF4
- Except E7 and A3?
- Billy goes to V2 to left valve for Global.

1030 Remove valve @ V2

1230 Electric from base @ Bld 73
Go over utilities

1520 Frank - Verizon - will be dropping off split duct to put on cable

1550 Tim - electrical tel @ ~~4473~~ U2 inside pipe - will not cut tomorrow

10/11/00 Wednesday

0620 go to Nuwc to put Cones @ U3,
global already did.

0630 HIS Brief - Fwenc
- Sample @ TFS

0700 Global brief
work @ U3, U2. Bld 73

0730 try to get pass for Billy - can't

0800 Sampling @ TFS - Fwenc

0900 order bottles from RS analytical

0930 Go to bld 73 Global preparing to suck water,
Go to U3 to cut Billy

0936 Cell From Bob K Concerning access to Nuwc

1015 Dave Cooper called to discuss CRF Forms
change #7, U2 - previously demolished.
change #E paving @ Nuwc
Chang #9 Dye tests,

1100 stop cutting @ U3, Go to TFS.

1110 go to trailer
- work on daily reports
- Future Collecting Samples, Global working @ Bld 73

1230 Paul Kulpa - onsite

1245 Melissa Griffin onsite

1350 @ TFS - CT 56
explain to paul where pipeline goes
Bd 70 - green lane - Butler - A19 (by TK 50)
CT-52
- Sump - dead ends
- no petroleum
- Valves for tank.

@ CT-53:
- pictures of interior of CT-53 - Sump @ CT53
pipes blocked off went to tanks
Gate not here for final work
pictures inside U1

1310 @ CT52,
- pictures
- Asked about sewer line @ green house

1315 @ Bld 73
- pipe reduces in size

Paul's concerns CT-53, Sump dead end or pipe?
-56 - could not inspect

→ No dark soil, no odor.

1330 @ trailer: pic offsite
1320 my offset

1400 go to bld 73
- discuss removing pipes instead of plugging
- mobilize Roll off

1500 Check A16 for - Water - small amount of rusty scale

1700 Tim - plan for 10/12
- cut bolts in U3
- pull valve
- vent V2-V3
- work in Bld 73

1730 talk w/ tim looks like we are 2 weeks behind schedule

10/12/00

0615 onsite

0630 AES Brief - dig @ T3, A16, topsoil,

0900 Global onsite - work @ U3; Bld T3

0830 Go to A16, digging behind bunker to locate telephone & tank.

800 ~~100,500~~ goal due of 10/12/00 tell Col Tippmann

0900 Expose tank @ A16, Need to sample sludge - unknown how tank is tied down

930 hammer delivered

1030 Finish @ U3 - pulled valve, staged @ TFS

1320 Call Verizon - hit cable behind tank by green house

1330 Left message w/ Bob K

1440 Cable is 62' from mark on Road -36'-36'

1500 Melissa Griffin
Farrie from RASO
w/in next 2 weeks

1502 Carl T - fax figure of Bender w/ cable trailer

1600 Go to trailer
- discuss dig sale w/ Carl
- liquid quantifier w/ Carl

1700 @ office
1800 leave for day - tell Al finished.

10/13/08

0630 @ trailer - John Anderson & work on topsoil & Seeding
H&S briefing

0700 Global @ trailer - H&S Brief
- work @ bld 73 / U3

1200 Sample truck @ chamber H46

1400 leave message for greg @ RI.

1700 offsite

10/18/00 Monday

0600 onsite
- Clt @ trailer - bike to TF4

0630 H&S Brief.
- FUEMC - Topsoil / demo

0700 Global onsite
- work in Bld 73,
Cut @ V1 EV2; weld flanges

0930 Global working @ V1; Cutting pipe

1030 Billy, John A, John L go to Bld 73 to work @ Elbow.

1045 RAIN Fillers

1100 go to V1, pull piping & remove additional soil for welder.

1130 Go to Bld 73 - removing elbow from pipe.

140

10/17/00 Tuesday

0610 onsite

0630 HES Brief
- topsoil / Seed
- Demo @ TFS

0900 Biweekly meeting

0930 DAVE - Global - remove pipe

0940 Ellen OB - ~~OSHA~~ Complaint

1000 go to pull pipe @ U2

1140 put pig in pipe @ U2.

1230 start welding Flange @ U2

⇒ FWENC - Remove chamber #19

Set sample " "

142

10/18/00

0600 Open TF4

0625 CH truck onsite

0630 H&S Brief, - Mentioned Echo Complaint

FWEN - Demo & Sample @ TF5 (CTS2)

0700 Global - pig V2 → V3

pressure test V1 → V2

0800 Meet Rock - Damian @ A16

0830 Global @ V2 preparing to pig V2 → V3

to pressure test V1 - V2

0900 Go by CTS2, Sump located in NW Corner, no outlet pipe

1120 @NUWC w/ Frank from disaster

AV3 - okay

S-2 - okay

AV2 - okay

1130 - V3 - - electric (USNAVY)

1130 @ MANHOLES South of 113
- Fiber optic } NAVY?
- Electric

R.I. Analytical
RI • 800-937-2580
MA • 888-228-3334
www.nanalytical.com

Speak with Carl
Morning Meeting
- Digsafe

Maura
AWARD

1200 Global Digging U2 → U3
FWENC Demo @ LT-52

1700 Willie Brenner of New World Technology,
Thursday 19th 925-209-3887

Carl on phone - discuss tank

1730 Call Carl 25,000 in Free tanks; 174,000 Shipped
need to finish U2 → U3
need to start U3 → BLD73; P1-P2 Line; Pier 2 Lines

10/19/00 Thursday

0615 Onsite - open TF4

0630 HES Brief

- Harcom / MSDS Sheets
- FWENC - Demo CT56
  Sample CT56
- RJDEM

0700 Global Onsite

pig V2 → V3
pressurtest V2 → V3
Complete pressurt test V1 → V2

10/19/00

1245 Kulpa @ trailer.
Behr @ trailer

1300 @ A16 - picture & track

1305 CT56 - photo of chamber

1330 Vit. photo of pipe, pipes around chamber

140

10/23/00 Monday

0620 onsite

0630 H&S Brief — FWENC
- backfill U2
- move trench box
- Dem bb barriers

0635 CH tanker onsite

0700 Global onsite
- ship 6000 gal
- take flange off U2
- Work @ Bld 73

0800 Call to swap out Roll off Cons.

0910 Global finished @ U2, ask us to pull flange out of hole

1700 Domino to move trench box & P/U barriers

1630 talk to Melissa Griffin about tank cleaning,
- told her we are not doing any demolition,
- just cleaning material out of tank, Melissa
gave okay for tank cleaning

1708 window repair completed on CASE.

10/24/00

0630 Onsite, HS Brief
FWENC - trench Box
- gravel @ U2
- put hammer on excavator

0700 Global H&S - clean tank

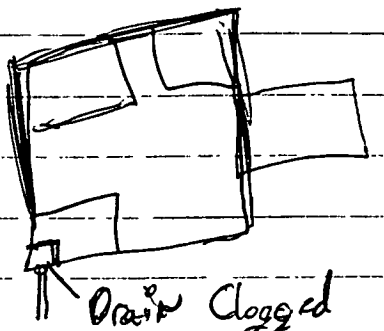
0830 placing trench box in hole @ bld73

0900 @ A16 - global cleaning inside tank
removed solids

1100 - prepare to wash tank
- trench box in BU73
- CHannel

1130 - Switch hammer onto excavator

1300 - dye test @ CT-53/U1



inject ~ 40 gallons of water.
water did not flow out of chamber

1330 End of test

10/25/00

0820 Onsite - (see HES Book)

1120 @ trailer paul Kulpa

1130 Shannon @ trailer

1215 @ Bld 73 - pipe - shown on 1120 - lubricating oil for Saw

1230 @ A16 - state wants chamber pumped out, will inspect on 10/26/00 @ 1100

1240 Return to trailer

1600 S Behr - question on dye tests

1610 Call Carl Tippmann - about dye test and Pier 1 work

10/26/00

0620 Onsite

0630 H&S Briefing

0700 Global H&S Brief
- weld Bld 73
- pg 73 - 83

0800 @ Bld 73, begin vacuuming pig

0805 Leave message for Carl, Need Electrician for Bld 73

0830 Call from Carl T.
Rich G available for Friday

0845 Mike Grossnan
- utilities south of Bld 113
- valve in Bld 73
- No stationing on train tracks

0944 Call from S Behr - Kalpa won't be onsite until after Lunch (originally scheduled for 1100)

152

10/26/00

1055 Leave message w/ Tim B for go ahead on pier 4

1230 S Bahr @ A16

1235 P Kilpa @ A16

Inspect / photograph A16

- Pipe on SE side goes in floor / Figure 1 Kilpa

1315 Finish @ A16

1/30/00 Monday

0615 Onsite

0630 - H&S Brief
- S-1
- AV2, AV3

0700 Exhibit - pig & Ptest V3 - BH73

0800 J Anderson AV2 pipe broken
oil under pipe - plug vent hole
0845 tell him he has to start pressure test of V3 → BH73 today
0900 @ PIER 2 - opening all 5" to check for vacuum

1100 Go to S-1, Broke valve off liquid coming out.
- liquid seeped in through valve
plug hole

1130 - global finished @ pier 2 pigging stabs off main line

1200 Spoke to Col
HE liquid @ S-1; Sealed pipe backfill chamber

154

10/30/00

1300 global 3 tots pressure test Bld 73-03

Fwepc Sample
-E22
-E16
Backfill Sample Locations

10/31/00 tuesday

0605 open TF4

0630 onsite H&S Brief
FWENC BF @ E16, E22
Pers @ A16

0700 Global onsite — work @ BU73
Finish pressure test

0730 Reliable fuel arrives

0900 meet Henry of JAM
Go to U3, S2, U2

0930 go to E-22, need to order flexible fill

1200 global finish pressure test At BU73 → U3

1300 go to NUWC w/ Bob K & Rich (NUWC-PD)

1330 Finish @ NUWC

10/31/00

1340 @ E16, E22
2nd load of Flowable fill delivered.
- order 3rd load for E-16

1400 talk to Ray Jones (will drop 200 on Sunday to pull back on Monday)

1520 talk to Carl about schedule
- global & sweb @ P1 on 11/1

1700 Call Jim (Pier 1 - Global A)

11/1/00

0600 @ NUWC - traffic being block

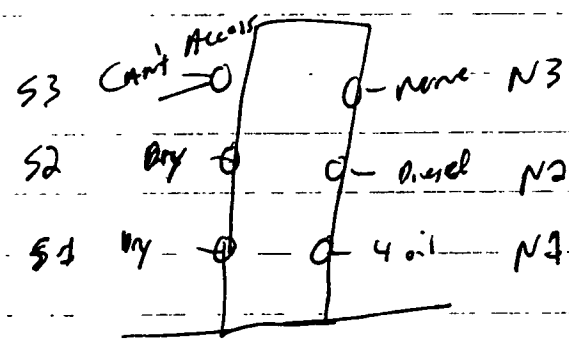
0620 Bld 70 - dropped call off (Grant)
(Go to TF5 to P/u Rell off)

0630 H&S Briefing
FWEN - work @ U-3; AU3

0700 Global onsite

0715 Call Richmond order 1 load gravel for 11/1 (U3)
1 load gravel for 11/2 (S2)

0910 Go to Pier 1 w/ DAVE - swarb test



10/1/00

1100 Call Carl T - Pier 7 swab - residual appears to be stuck @ Elbow @ 2 locations will swab out & Clale

1215 proceed w/ Video (Carl T) because pipe appears to be clean..

St Martin

Frank - Verizon - 401-524 4560 cl
401 - 459 - 8574 pager

Mike Grossman 841-2261 - NAUSTA

Jim Keri Global Associates - Aer 1 841-2209

Kulpa 222-2797 711

160

Dick Mullihan Local 57 401-421-6678

Maurice
~~Joe Mello~~ Laborers 401-847-4804

Telemark (Digsite) 401-521-3443
401-331-0149 fax
Frank 641-1315

Fire Dept 841-3333 (NAVSTA)

Labit's photo & Video

Mike Rov GAS 842-1339

Newport Naval Cable 847-7980
Bill 860-884-6987

Nat Meg 401-849-8921

PROJECT SUPERINTENDENT'S

FIELD NOTES

CONTINUATION OF BOOK 1

PAGES 1 TO 15

11/2/00 0600 onsite - Go to NUWC to place barriers

0630 H&S Brief
S-2
AV-3
AV-2
trench box

0635 go to NUWC

0700 pumping out S-2

0730 sample @ AV3-

0800 place barn AV2; AV3

S Bar - called to find out where S-2 is @ NUWC

1200 @ TFY - Drums Need labels (2)
Mon - jet rod 73 / slab

tuesday - video (not Kevin)

Wed - Cut 12" pier 2

→

1030 Gal T onsite, go to Pier 2, B-A 73, A16,
TF4

1230 Go to Mine. Finished backfill @ S-2.

1245 @ Mine

1500 – Elastic @ A-16 ? – may be excavated.

FOSTER WHEELER ENVIRONMENTAL CORPORATION

BY JBH DATE 11/6/00 SHEET 1 OF 1

CHKD BY _____ DATE _____ OFS NO. _____ DEPT NO _____

CLIENT _____

PROJECT _____

SUBJECT _____

0600 Onsite
0630 - safety Briefing

FWENC - gravel @ ~~Bld~~ V2

0640. Call Mike Grossman of Utilities.
will check power @ A16

0645 Call Billy Lima - utilities on way

0700 Global onsite
- HES meeting

0745 - NANY disconnected breaker @ A16 - was not
Five - Billy Lima

0750 - DAVE (Global) needs water

0900 - @ A16. Rob K there
~~0~~ 45 @ BLD 73 - Global Jet Rodding pipes

700 gallon

FOSTER WHEELER ENVIRONMENTAL CORPORATION

BY _____ DATE _____ SHEET _____ OF _____

CHKD BY _____ DATE _____ OFS NO. _____ DEPT NO. _____

CLIENT _____

PROJECT _____

SUBJECT _____

11/6/00

1300 pull tank

1330 Collect soil sample under tank

VA16-T01

1335 Backhoe tires flat, Right Front

RI 401 885-6880
tire

call RI tire

DAVE MASON
RON HORN } tunnel.

DAVE - VACUUM 20 inches

FOSTER WHEELER ENVIRONMENTAL CORPORATION

BY _____ DATE _____ SHEET _____ OF _____

CHKD BY _____ DATE _____ OFS NO. _____ DEPT. NO. _____

CLIENT _____

PROJECT _____

SUBJECT _____

1520 Bob K says okay to ~~vacuum~~

1620 meet Henry (DAM) @ 5-2. will need to sawcut
⇒ henry says ~$500 to do prep work
leave

1640 check bld 73
DAVE - Global - called
video
work @ P2.
work @ Bld 73

1700 Go back to NUWC - meet henry
- Gravel @ V3 may be high because concrete from vault.

1706 Go to office

FOSTER WHEELER ENVIRONMENTAL CORPORATION

BY _____ DATE 11/7/00 - tuesday

CHKD BY _____ DATE _____

SHEET _____ OF _____

OFS NO. _____ DEPT NO. _____

CLIENT F

PROJECT Fuel Line Closure

SUBJECT _____

0600 onsite

0630 H&S Brief
- work @ A16 - pump water
- demo chamber

0720 Global onsite
- work @ P1/T3
- Video part

0730 Ray Johnson - Rogers ball to P/U tank in ~1 hr

0850 Ball @ Bld 70 to P/U tank

0950 tank loaded - Rogers ball off site

0940 @ pier 1 — DAVE (Tunnel Vision)

1045 finish @ N1

1100 Tim B @ pier 1, go to N2

1115 S Behr —
- why we picked A-15
- which were demolished
- all chambers?

Proposal was to check ① chamber - outcome of the 1 chamber will determine how to proceed w/others

FOSTER WHEELER ENVIRONMENTAL CORPORATION

BY _____ DATE 11/7/00 SHEET _____ OF _____

CHKD BY _____ DATE _____ OFS NO. _____ DEPT. NO. _____

CLIENT _____

PROJECT _____

SUBJECT _____

1125 - talking w S Baker

A-15 chosen because high probability of being interconnected. FF drainage similar to chambers N of TP4 will gain the most info.

1127 Pow - Richmond load of material on way.

1145 Carl Tippmann

Submit FCR w/ results to many to get concurrence

—

1230 - Richmond @ Bld 70 - Pump @ AE6

1300 - start collecting sample @ A-16 from below flow.

1330 load out metal into roll off.

FOSTER WHEELER ENVIRONMENTAL CORPORATION

BY _____ DATE _____ SHEET _____ OF _____

CHKD. BY _____ DATE _____ OFS NO _____ DEPT. NO. _____

CLIENT _____

PROJECT _____

SUBJECT _____

11/8/00

0815 onsite

0830 H&S Brief.
- work @ A16 ; AE6

0700 Global Net working today

0900 talk w/ tim — re video inspection report

Backfill @ A16

1200 - JAM prepped mine for Asphalt.

1230 - JAM preparing F pave @ U2

1330 - call Excavator off rent

1600 Bye leave

1610 trash pump down

FOSTER WHEELER ENVIRONMENTAL CORPORATION

BY _____ DATE _____ SHEET _____ OF _____

CHKD. BY _____ DATE _____ OFS NO _____ DEPT NO. _____

CLIENT _____

PROJECT _____

SUBJECT _____

11/9/00

0630 Onsite
- Work @ 73
- C+53

0700 Global onsite
pier 1 / pier 2

0900 Damian - truck will arrive after lunch to P/U
Box & Blocks

1000 Global ~~cutti~~ drilling @ Pier 2 West End

1600 pig @ BD 73 from 12" line
Global securing 12" line

FOSTER WHEELER ENVIRONMENTAL CORPORATION

BY _____ DATE 11/13/00 SHEET ____ OF ____

CHKD BY _____ DATE _____ OFS NO. _____ DEPT. NO. _____

CLIENT _____

PROJECT _____

SUBJECT _____

0615 Onsite

0630 H&S Brief.

FWENC · Misc demob activities

Global Rig A1 → B(d 73

1000 Formula P/u excavator

3290 hrs

1100 Backfill AE-6

1200 Backfill CT53

loam V2

loam E-7

cleanup @ A-16

FOSTER WHEELER ENVIRONMENTAL CORPORATION

BY _____ DATE 11/14/00 SHEET _____ OF _____

CHKD BY _____ DATE _____ OFS NO _____ DEPT. NO. _____

CLIENT _____

PROJECT _____

SUBJECT PDS

0630 Am Brief

0700 Global Onsite
- Vacuum test Pile 2

0840 Cll loading Material out @ TF4

1015 TF4 - Lost load of Material will have lots of suspended solids - will be off spec (Tim & Steve)

1130 call C Tippmann - material will be off spec

1350 @ TF4
- Blue tank empty / not washed of
- Beige tank ½ empty, not washed
- Vac truck full

Recall th

FOSTER WHEELER ENVIRONMENTAL CORPORATION

BY _____ DATE _____ SHEET _____ OF _____

CHKD BY _____ DATE _____ OFS NO. _____ DEPT. NO. _____

CLIENT _____

PROJECT _____

SUBJECT _____

1520 - Steve (Global)

- NO work on 11/15 on Free tanks
- Complete vaccum test (11/15)

FOSTER WHEELER ENVIRONMENTAL CORPORATION

BY _____ DATE _____ SHEET _____ OF _____

CHKD BY _____ DATE _____ OFS NO. _____ DEPT. NO. _____

CLIENT 11/15

PROJECT _____

SUBJECT _____

0630 Onsite
Continue demob

→ Remove RR Crossing (Drill)

→ Fix Sinkhole A-10

- Remove fence along Burma Rd.

1200 Talk w/T Burbank
- Sending Sample to CH for Solids
- will Schedule vac truck for 11/16/00

1718 - Tim Burbank
- Spoke cord tippmann (back out 10 drums)
Cord gave okay to proceed w/ liquid removal

FOSTER WHEELER ENVIRONMENTAL CORPORATION

BY _____ DATE 11/27/00 SHEET ____ OF ____

CHKD. BY _____ DATE _____ OFS NO. _____ DEPT. NO _____

CLIENT _____

PROJECT _____

SUBJECT _____

10/30/00 Call G Coppi:
- Billy Lima left physical prior to having it done (Cely Gatelo had called last week)

- physical was scheduled for 11/16/00 - Billy worked 11/13 → 11/15

11/20 Tim Burbank (Global)

- pier 2 secure ?
- Frac tank to leave
- photos

11 45 Charter Environmental
left message for John Palmer

1320 Frac tank off site

Called Billy - billy said clinic did not process him in timely manner.

1330 Gran Coppi - clinic says Billy did not have paperwork filled out and arrived late

1415 Don Pipatti: — Short paying invoice
Demob/ Submittals

1417 Tim Burbank - waiting for backup from CH

PROJECT SUPERINTENDENT'S

FIELD NOTES

BOOK 2

PAGES 7 TO 17

11/30/00

D065

1240 Call Manny Marques of Local 673,
= need laborer on 12/11/00 @ 0700 for 1 wk
= preferably John Anderson or One from GI

1250 Call T Burbank of Global - re drain investigation schedule for 12/12/00 - Tim to check w/ tunnel vision.

1320 left message for Dick Houllah on cel phone

1340 Call from Dick Houllihan concerning operator

B

12/4/00

0805 Call Manny from Rock GTB
- Work to start on 12/18

0810 Mike Formula Eg
piston for bucket scored, damaged seal

12/5/00

0800 left message for Dick Hardaker
operator for 18th

10

12/6

0745 Jim White - Local 57

- Wilbur was ready for the 11th, I had spoken to Dick on 11/30/00 work schedule changed to the 18th from the 11th

810 Mike got C allset for 3 locations

12/14

1430 MANNY Marques from 673
- DANA Furtado - Lakeer
- has global physical

- call workcare - last worked for us 1996
- Call Grey Cappi

12/18/00

0630 onsite

calibrate eq

0700 H&S Brief

0730 Go to AT3.

- begin exposing chamber wall

- no readings

0840 Expose drain, water entering excavation from chamber.

0900 Break

0930 Continue expanding hole

12/14/00

0630 onsite
0700 Daily H&S Meeting
- tunnel vision onsite
- Go to A13
- Dewater hole.
Attempt video
- break in pipe / sludge in pipe

0930 Call Col Ti
- will jet out pipe w/ 2" hose
got to 4'
use garden hose - go to 6'

use garden hose w/ tank stick,
Go Approx 25'

Jet rodded 3 times
1st attempt 2" hose
2nd & 3rd attempt garden hose
went 24'

1200 order fet rod for 12/20/00
will fet rod pipe & video on 12/20

monitoring Eq
photovac MicroFid serial # CZGH319
cal w/ 100 ppm methane

pre cal 98.0 ppm post cal 100 ppm

IS LTX310 serial 6008053-017
Co/H2S/O2/LEL

12/20/00 Wed

0630 Onsite

0700 Am meeting

0730 Go to A-13
- ~6' of water, water running into hole from burnu rd swale

1000 first pumping water out.
- Jet rod. pipe.

1130 outlet identified by RR tracks

1140 Video tape pipe

SITE HEALTH AND SAFETY OFFICER'S

FIELD NOTES

BOOK 1

PAGES 50 TO 125

51)

D065

Defense Highway Pipeline

8/15/00

0710 HASP Briefing

0725 Calibrate air monitoring instruments

0800 Global PI checking pipes in C18 to determine if they have been cleared.

FID - blkgnd (0 ppm)

CGI - NAB - ~~LEL~~ Background -

LEL - 0% O_2 - 18.4%

CO - 0 ppm H_2S - 0 ppm

0900 FWENC crew (J. Anderson and B. Linn) attempting to daylight pipe at E11

0930 Vault at E11 has been filled with sand. The excavation is caving near the road, endangering the integrity of the roadway. Excavation is halted.

0945 Arrive at TFS to daylight reduction connector at V-1

1010 Excavating at V-1 to expose pipe & reducer

FID - NAB (Blkgnd = 0 ppm)

1100 Continue excavation

FID - NAB

1120 Continue excavation

FID - NAB

1140 Lunch

Note: excavation of hole completed

1230 Arrive at AVA near TFS. Expose top of vaults (3)

1330 Exposing vault at V2

MSA Passport - FW 00181

8/15 Start - LEL 0% $\%O_2$ - 20.9
CO - 0 ppm H_2S - 20 ppm
Cal check with Cal gas - 50% LEL
End
LEL - 38% $\%O_2$ - 18.9
CO - 60 ppm H_2S - 20 ppm

08/17 Cal check with Cal gas - 50% LEL
Final readings
LEL - 38% $\%O_2$ - 18.9
CO - 60 H_2S - 20

8/28 Cal check with Cal gas - 50% LEL
Final readings
LEL - 38% O_2 - 78.9%
CO - 59 ppm H_2S - 0 - H_2S not functioning

Defense Highway pipeline

Photovac FID - 12590 (Hazco)

8/15 Beginning reading - 1.6 ppm
Auto cal - zero to ambient air, Cal gas (methane) 100 ppm
Final reading - 99.8 ppm

8/16 Beginning reading - 0.0 ppm
Auto cal - zero to ambient air, Span to 100 ppm
Final readings - 0.0, 99.8 ppm

8/17 - Attempt to calibrate FID, malfunctioning keypad.
Hazco will replace, no excavation today aside from sloping clean areas.

8/28 Photovac FID - Hazco 12689
Initial reading 32.9
Auto cal, zero to ambient air and span to 100 ppm methane
Final readings - 0.0, 100.7 ppm
0.0 ppm background

8/29 Calibrate FID
Initial reading 0.0
Auto cal, zero to ambient air, span to 100 ppm methane
Final reading - 0.0, 99.8

8/30 Initial reading - 0.0 ppm
Auto cal, zero to ambient air and span to 100 ppm methane
Final readings - 0.0 ppm, 100 ppm

54

Defense highway pipeline

8/15/w

1345 Utility clearance at V2, begin excavation
1400 FID - NAB (Background = 0)
1420 Expose valve. Photograph. FID - NAB
1600 Backfilling Ell
1620 Exposing rest of vault at A10
1715 Complete excavation for day, fence off A-10 area
1740 Depart site

Mel Coyle

Defense highway pipeline

8/~~15~~ 16/00

0650 Arrive at field trailer
0700 H+S briefing
0715 Calibrate FID
0730 Clearing lid at E16
0800 Preparing to clear roof of E22
0815 Removing lids from vault at E22. Roof of vault is too deep to clear.
0900 Clearing roof of A10
1100 Additional excavation at V-1
1300 Clear roof of A-19
1530 Put lids back on E16 and E22
1630 Gather equipment for cutting off A19 roof tomorrow

D065 Pipeline along Defense Highway

8/17/00

0650 - At site
0700 - H+S briefing
0730 Arrive at Tank Farm 5, Slope excavation at CT 53
0900 Begin set-up to cut top of chamber at A-19
01030 Begin cutting roof. Blade too small.
1130 Continue cutting roof
1215 Lunch
1245 Continue cutting roof of A19
1300 J. Holden enters chamber as per confined space entry permit ~~as per~~ to attach bolts. See permit for air monitoring readings
1320 Holden out of chamber, bolts attached.
1345 Remove section of concrete using back hoe
1600 Clean up, fence off chamber
1645 Return to trailer

[signature]

D065

8/28/00

~~0715~~ 0710 At site. J. Holden informs B. Cantagallo of activities, H+S briefing

0720 Calibrate air monitoring equipment

0730 Arrive at E7. Cutting fence to excavate top of vault

0800 Excavating top of vault

0813 Excavate north, south + west side of vault roof. Cable box noted in woods south of vault E-7. No markout is visible. Cable may run east of vault, so excavation halted

0830 Move to E1 to back fill

FID - 0.0 ppm = background.

0930 Complete backfill of E1, relocate to Tank Farm 5 to excavate around chambers 51, 56 and 52, in that order

51
56
52

1015 Prepare to excavate roof of chamber 51

1030 Excavating CT-51

1100 Continue excavation of CT-51

1130 Continue excavation of CT-51

1205 Complete excavation of CT-51, fence off area

1215 Lunch

1300 Excavation of CT-56 has commenced

1330 Excavation of CT-56 continues

1400 Excavation of CT-56 continues

1430 Excavation of CT-56 continues

1500 Excavation of CT-56 continues

D065 8/28/00

1530 Excavation of CT-56 continues

1540 Excavation completed, erect fencing around excavation

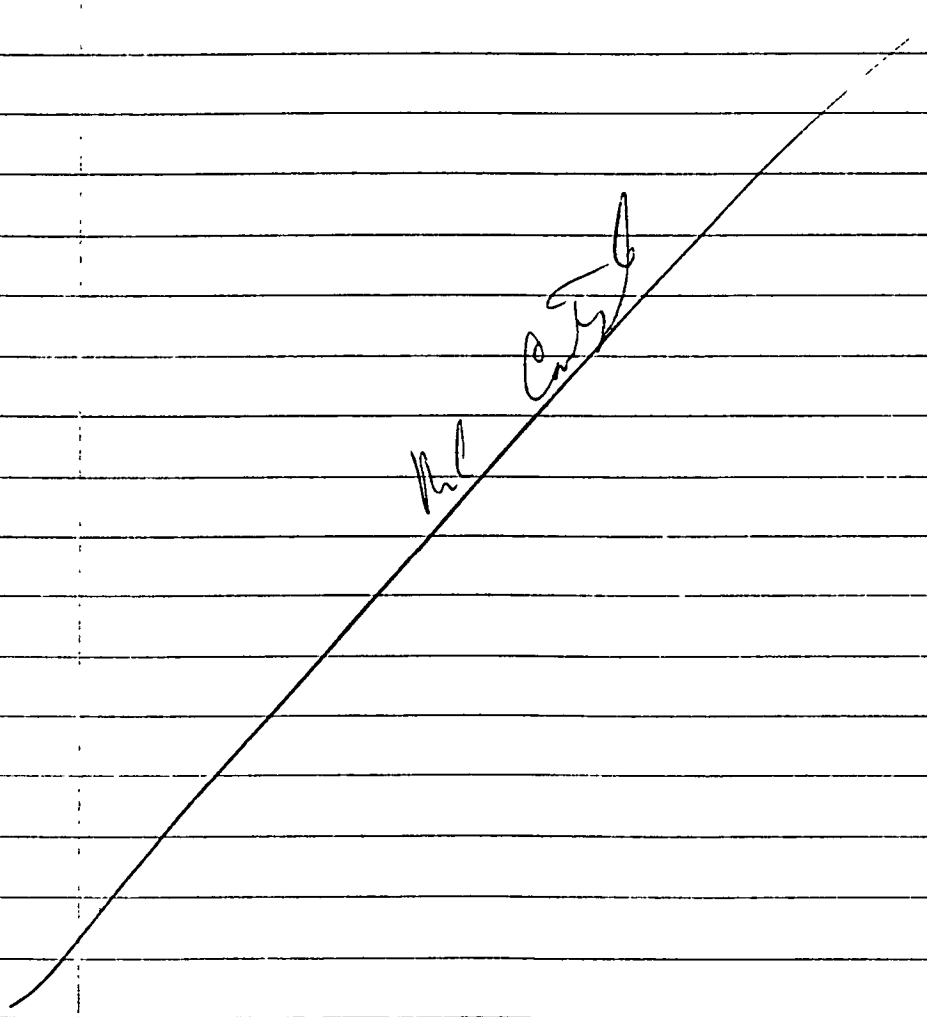
1600 Completing fencing around CT-56

1630 Prepare to excavate CT-52

1700 Return to field trailer

1740 Depart site

[illegible]



D065 8/29/00

0645 R. Cantagallo arrives at field trailer
0700 H&S briefing. Calibrate FID
0720 Arrive at E22 to lift ~~top of~~ cover over access to chamber. Personnel: J. Anderson, B. Lima, R. Cantagallo ~~Weat~~ (FWENC).
Weather: Partly cloudy, 65-70°F
0730 Arrive at CT-52, prepare to excavate top of chamber
0745 Begin excavation
0815 Excavation continues
0845 Excavation at CT-52 continues
0915 Excavation of CT-52 continues
0945 Excavation continues
1015 Excavation continues
1045 Excavation continues
1115 Excavation continues
1215 Excavation completed, install fencing around excavation
1315 Prepare to excavate around A-15.
1330 Excavating around A-15
1400 Excavation complete, install fencing
1415 Begin excavation around E-15
1445 Complete excavation around E-15. Install fencing.
1500 Begin excavation of A-14
1520 Complete excavation of A-14, begin E-14
1545 Complete E-14.
1615 Put covers back on manholes at E-16
1645 Obtain ~~new~~ additional fencing and posts

60

Dj65 8/29/00

1715 Install fence around E-14 and A-13, which has also been excavated

1740 Return to trailer

Rec Contrib

D065

8/30/00

0645 R. Cantagallo arrives on site

0700 HTS briefing

0710 Calibrate FID

0720 R. Cantagallo, J. Anderson & B. Lima (FWENC) arrive at E-13 to continue excavation. Weather: overcast, light drizzle 65-70°F

0735 Complete E-13. Excavation 6-8" deep. Move to A-12

0745 Excavating A-12

0805 Complete excavation of A-12. Install fence

0815 Begin excavation of E-12

0845 Excavation of E-12 continues

0900 Excavation of E-12 complete

0905 Re-inspection of all "E" chambers indicates that they have associated vaults extending north & south. "A" chambers do not. "E" chambers will require additional excavation (E-15 - E-12)

1005 Obtain additional posts for visibility (orange) fencing

1030 Backhoe hits cable (TV) line. This line is located ≈ 6-10' west of marked location. The cable was struck while excavating A-11.

1100 Crew repairing cable line

1120 FID - NAB (Background = 0.2 ppm).

Note: No readings above background have been observed at any excavation this week (8/28 - 8/30).

D065 8/30/00

1145 Repair of Cable line continues

1230 Repair of cable line continues. Additional excavation of E-13 being conducted

1250 Excavation of E-13 complete

1300 Additional excavation of E-15 underway

1330 Excavation completed at E-15

1335 Excavator has arrived at trailer.

1420 Prepare to complete excavation of E-14

1500 Excavation at E-14 continues

1520 Complete excavation of E-14. Prepare to move drums at E-22

1530 Move drums at E-22 and E-16

1550 Place covers on access manways to E-22 and E-16

1615 Return to field trailer, prep new excavator for use tomorrow

1730 Repair [illegible]

[illegible]

D065 8/31/00

0645 Arrive at field trailer, prepare to continue excavation, begin chamber demolition

0700 H+S briefing

0730 Arrive at E-7 to continue excavation.
Personnel: R. Cantagalle, J. Anderson, B. Lima (FWENC)
Weather: Overcast, fog, 65-75°F
Note: FID calibrated
Initial reading - 0.0 ppm
Autocal with ambient air (zero) and 100 ppm methane
Final readings - 0.0 ppm, 100 ppm

0815 Excavation of E-7 completed. Prepare to demo E-1 and E-2

0845 Set up at E-1. Hammer on excavator not functioning

0930 Unable to work hammer on excavator. Awaiting call from rental company

1000 Move over at E-16

1100 Rental company instructions ~~do not~~ are not effective, hammer does not work. Will attempt to utilize backhoe to demolish E-1 and E-2. Contact Formula Equipment Leasing, Inc regarding problem

1130 Demo ~~riser~~ riser for E-1

1200 Demo riser for E-2. Backfill both locations

1400 Hammer now operating, completing demo of E-1

1415 hydraulic hose blows on hammer

1440 Clean up, wrap hose, turn off valves

1500 Return to trailer

D065 09-11-2000

0700 onsite at field office
0715 at chamber A-7 to begin demolition
personnel: E. Urbanek, J. Anderson, B. Lima (FWENC)
weather: overcast 65°
0745 demo of structure underway - structures to be demo'd to 1' below grade, rebar removed from excavation, cut rebar protruding from concrete prior to backfill
0930 Demo of A-7 completed - rebar requires removal
0930 Break
0945 move excavator w/ breaker to E-8
1000 Demo of E-8 begins
1100 Demo of E-8 completed - rebar requires removal
1110 Equipment moved to A-8
1115 Demo of A-8 begins
1220 A-8 demo completed - rebar requires removal
1240 demo'd floor 12"x12" area to allow for sample collection
1250 J. Anderson collects samples of soil beneath Chamber
1300 off site to purchase drinks for workers
1310 onsite at A-8 - removal of rebar has begun
1430 rebar removal completed
1445 J. Anderson & B. Lima pickup pumps & replace

Ed Urbanek

D065 9-11-2000

Covers on chamber for Global Env.

1500 at office trailer ——— EM

1515 at A-8 to begin backfilling ——— EM

1530 fabric liner installed above piper and above demo concrete. Backfill material placed and compacted above liner.

1615 Demob from A-8. ——— EM

1630 off-site

Ed Urbanek

DOG5 FUEL PIPELINE 09-12-2000

0630 onsite at field office - work to continue on the demolition of chamber — Eqpt

Weather: 65° and hazy: high expected near 80° Eqpt

0645 H&S Briefing

0650 mob to vault A-7 w/ J. Anderson & B. Lima — Eqpt

0700 demo small hole in floor of vault to collect sample - Eqpt

0730 floor sample collected, 2 - 8oz jars, 3 - 40 ml vials Eqpt

0800 at vault E8, demo hole in floor — Eqpt

0830 floor sample collected NAVSTA-CS-VE8-01
2 - 8oz jars, 3 - 40 ml vials — Eqpt

0840 at E8 w/ J. Anderson & B Lima - removing rebar

1015 Crew breaks for fields — Eqpt

1030 at E8 to begin backfill — Eqpt

1130 at E8 - rock placed, cutting Geo Fabric — Eqpt

1200 lunch break

1230 demo rebar / concrete at A7 — Eqpt

1330 removing rebar at A8, relocate to T.F. — Eqpt

1420 removing rebar at E8, relocate to T.F. — Eqpt

1530 silt fence placement around soil piles — Eqpt
B. Lima relocating some soil to area already silt fenced — Eqpt

1640 completed silt fence around soil pile in parking area — Eqpt

1650 off site

Ed Urbanek

D065 09-13-2000

0630 onsite at field office, work to continue on demo and backfilling of chambers — Eqn
Weather: 70° and raining. Rain expected to stop by noon. Expected high 78° & sunny — eqn
0645 H&S Brief
0655 Mob to E-9 with Excavator - Operator B. Lima — Eqn
placed rock in ditch at E-9 to access area — Eqn
0745 Demo of E-9 top ~~completed - move to A-9~~ (Eqn)
0920 Demo top of A-9, E-9 completed - rebar removal is still required — Eqn
0930 Break
0945 Demo resumes at A-9 — Eqn
1100 Call from J. Holden - OK to Demo E-10 — Eqn
1120 A-9 completed - rebar requires removal — Eqn
1125 Move Excavator to E-10
1140 J. Anderson arrives onsite — Eqn
1315 sampled floor of E10 - photographed demo, south tunnel then north tunnel
1345 sampled floor of A-9 - photos taken of floor, south tunnel, north tunnel — Eqn
1350 Crew to E-9 to clear chamber for sampling
1415 E-9 Clear, water in floor — Eqn
1420 Crew to E-10 to remove rebar + vault lids, J. Anderson secures vault openings — Eqn

Ed Hubard

09-13-2000

1500 At chamber E9 to demo flow to collect sample

1600 sample collected # NAVSTA-CS-VE9-01

1700 Cleaned contacts on MSA Passport and calibrated unit

1730 off site

Ed Ufkes

D065 9-14-2000

0625 onsite at field offices

0645 Daily Briefing

0650 J. Anderson setting pumps & holes at

0830 At A-7 w/ B Lima & J. Anderson to begin backfill

0915 backfill concrete into A-7 ——— Eqp

0930 Break ——— Eqp

0945 • At chamber 16 to photo installation of 2ND pig. Line still pressurized at 20psi, Will be notified when line is de pressurized — Eqp

• J. Anderson & B Lima picking up rebar for relocation to Tank Farm 5 area. ——— Eqp

1015 Rebar from A-7 to T.F. 5 ——— Eqp

• B. Lima & J. Anderson to Bldg 70 to do task for J. Nolden ——— Eqp

1030 Global got pig out of line at 10, additional pig will not be used ——— Eqp

1045 Crew returns to A-7 w/ rock for backfill

1150 Backfill complete

1200 - Break

1230 - at A-7 to install silt fence - J. Anderson goes w/ J. Nolden

1330 J. Anderson at A-7 to install fence - B. Lima moving backfill matl to E-9

1350 at E-9 removing steel rebar

Ed Ubranek

71)

9-14-2000

1445 All rebar removed from E9

1500 rebar loaded and relocated to T.F. 5 — E44

1510 backfill with Rock — E44

1530 rock placed and compacted, geo fabric placed and backfilling with gravel/soil. — E44

1600 E44 - offsite — E44

Fuel line closure

D065 9-19-00 Millville Site RI

0620 on-site waiting FOR FIELD TEAM TO SHOW-UP

0620 FIELD TEAM ARRIVES on-site (weather: Clear Skies, and forecast sunshine during the day)

0630 Calibrate Air Monitoring Equipment Temp = mid 70°s

FID # HAZCO 12589, Noticed Endlog was present, Endlog was cleared before Calibration could take place Initial Response was 19,986 ppm, Calibrate to 99.9 ppm with 100 ppm CH_4 Bkgd is Ø ppm

Calibrate Passport CGI # FW00181

O_2	LEL	Co	H_2S
19.5% to 18.0%	38% to 50%	49 ppm to 50 ppm	Ø ppm to 12 ppm

Quad gas O_2 - 18.0%, LEL 50%, Co 50 ppm H_2S 25 ppm

0700 Daily Safety Briefing held

0845 AE Sample Location A-14 Bilcon doors were opened Air Monitoring FID Ø ppm CGI - at Normal Ranges

0915 NO Sample Collected at A-14 due to above 6" of water on the floor of Trench Box, will wait to see if water drain through holes punched in Floor with Heavy Equipment Puncher.

1920 AE Location E-14 Trench Box area is to tight the Hammer to place a hole in the Floor.

1335 Soil Sample Collected from E-7 # NAVSTA-CS-VE7-01 Air Monitoring the Sample hole, FID Ø ppm, CGI - Normal Range O_2 - 20.8%, LEL Ø%, Co Ø ppm, H_2S Ø ppm Air Monitoring Soil Sample FID Ø ppm, CGI - Normal Ranges 9/19/00

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Fuelline Closure

D065 9-19-00 Millville Site RI

1445 Label Soil Samples, and place in Cooler with Ice. All Monitoring Equipment is placed on charge for the night. Post-Cal FID=95.6 ppm CGI O2 19.6 LEL 45 CO 55 H2S 2/5

1645 Site work areas are secured field team leave site for the day

1650 John Jones leave site for the day.

9/19/00

Fuel line Closure

D065 9-20-00 Melville Site RI

0630 Arrive on-site, Gosh, Billy, John Lowe

0645 START TO SET-up pumps to pump water from Manholes near A-16

0710 Daily Safety Briefing held with Sub-contractors (see Daily Briefing Dated 9/20/00)

0725 Calibration of Air Monitoring Equipment PRE-Calibration
FID# HAZCO 12589 initial — 100ppm Final — 100ppm
Passport CGI FW00181 initial - O_2 18.3% Final - O_2 18.0%
LEL 40% LEL 50%
Co 5053 ppm Co 50 ppm
H_2S 12ppm H_2S 12ppm

1630 Calibration of Air Monitoring Equipment Post-Cal
FID # HAZCO 12589 — 110 ppm
Passport CGI # FW00181 — 50% LEL / 19.8% O_2 / 42 ppm Co / 0 ppm H_2S

0730 Work activities have started Sub-contractors Pressure testing the pipeline.

0800 Demolition of manhole Box # A-11

0920 Picture take of manhole Box # E-12 during the Demolition the photo was taken from the south side of the manhole Box Photo # 1, FINE-1

0930 A-11 has been demo, move to A-12 start to demo Picture # 2 was taken From the South side of the manhole Box Photo # 2, FINE-2

1340 Collect Soil Sample from E-12, on west wall of manhole at bottom of manhole FID 0 ppm CGI at normal Ranges 9/20/00 J. Lowe

9-20-200 D065 Fuel Line Closure

1455 A-11 Soil Sample was collected from the EAST SIDE OF THE MANHOLE BOX VIA the Backhoe Bucket Photo # 5 Shows Area Soil Sample was collected from. FID - Øppm, CGI - NORMAL RANGES

1520 Sample A-12 was collected from the west side of the Manhole Box at the depth of the Box FID-Øppm, CGI - Normal Range Photo # 6 will Locate the sampled area, the sample was taken from the Backhoe Bucket.

1615 A Sheen Noticed on Stream leading to the Bay, was Reported to the Navy by a person Running the Bike/Foot Path, Booms were installed to observe the sheen. North of T-3

1630 Prepare Soil Samples for LAB

1750 Leave site for the day site is secured

9/20/00

D065 9-21-00 Fuel Pipeline Closure

0630 arrive on-site
Weather; Cloudy Skies
Temp: 65°

0635 Daily Briefing held for Demolition Team

0645 Start Calibration of Air Monitoring Equipment
Pre-Cal FID # HAZCO 12589 - 100 ppm with 100ppm CH4
Blcgd - Ø ppm
Passport CGI # FW 00181 LEL - 37.1-50% O_2 - 19.4-180
Co - 50ppm H_2S - Ø
Call HAZCO For A Replacment unit the H_2S sensor
IS Damaged.

0730 Post-Calibration
FID # HAZCO 12589 — 102.1 ppm
Passport CGI # FW00181 —

2805 Photos 7 & 8 of VE-13 from the west SIDE of the manhole during Demolition.

0815 Photos 9 & 10 of VA-13 from the North SIDE of the manhole Before Demolition.

1010 Complete demo of VE-13 move to Start demolition of VA-13

1300 E-14 Sample was collected from the WEST SIDE OF the manhole Box Photo # 11 will Indentify Location, Soil was taken From Backhoe Bucket
FID Readings Ø ppm
9/21/00

D065 9-21-00 Fuel Line Closure

1315 At Location # A-13 Photo # 12 & 13 ~~were~~ were taken from the West side of Manhole, Parts of wood was noticed in the Excavated hole, with odors of fuel oil FID Reading spiked to 22.1 ppm then down to 0 ppm on the soils in the Backhoe Bucket, the Breathing Zone Remained at 0 ppm

1320 The Soil Sample was collected from A-13

1340 At Location E-13 Excavating Soils from the West side of the Manhole Box to Collect a Soil Sample Photos # 14 & 15 Locates the sample Area Soil was taken from the Backhoe Bucket

1345 Soil Sample E-13 was collected.

1630 Leave Site for the weekend

9/21/00

D065 9-25-00 Millville Fueltine Closure

0530 Arrive on-site
Weather: Cold and Windy
Temp: 50-55°

0545 Calibrate Air Monitoring Equipment
See Cal-Log Sheets, Dated 9/25/00

0700 Daily Safety Briefing held, Topics-
Sites Specific's Training, Air Monitoring
Action points, Training as per 1910.120 &
1910.134, work activities CSE for
pipeline Pressure testing, Continue demo
of Vaults, and asphalt cutting in Roadway,
include was air monitoring Equipment for
CSE, which included the FID/CGI.
CSE were permitted with CGI only
where the FID was to be used as well,
for the CSE.

0900 - At Tank Farm 5 Watching CSE, Concrete Slab
cut out in Vault, Area should be secured
to prevent personnel falling into
vault, personal ~~by~~ tie off's should be
used.

0930 At V-2 for Asphalt cutting of Bike/foot
Path to Locate the underground Valve
and pipeline in the Vault.

1000 V-2 was secured with Jersey Barriers,
Traffic cones and Flasman. 9/25/00 [illegible]

P065 - 9-25-00 Mill mle

9/25/00

D065 9-25-00 Melville Site

1030 Excavation Starts, Bell Atlantic is in area Repairing telephone cable, Dig Safe comes to area to indentify Electric Cable that was scrapped

1200 Bell atlantic repair the cable

1500 Start to dig out the otherside of the excavation. Marc Jersey Barrier arrive

1700 Work area is secured for overnight with traffic cones, Lights, high vise fence,

1715 Leave Site for the day

9/25/00

D065 9-26-00 Millville Site

0620 arrive on-site
Weather: Cloudy Skies and Rain
Temp mid 50s to Low 60's

0630 Daily Briefing held with Demolition teams V-2 and Vaults

0700 Daily Briefing held with Global Pipeline team. (CSE Permit was covered, med. Exam & Resp Tr
Air Monitoring Instruments were Calibrated at 0620 before the daily briefing

0720 Both work teams are mobilizing at there work Locations, Global will be using the MICRO FID # HAZ 12589, and a CGI of there own for Confined Space Entries today.

0742 At location V-2 Laborer starts to Shovel out the Valve in V-2 (Clear the sand from around the Valve).

1000 Call G. Coppi take about Site activities.

1230 Break/Lunch

1300 Billy Lima is Backfilling Chambers # A-16
Global Sub-contractors are working at NEWARK NAVY AREA.

1400 Global Sub-Contractors are working at A-16
the FID# HAZ 12589 is out of service, CGI will be used by Global for entry.

1500 Trench Box was Brought to Site for V-2 area. 9/26/00 [illegible]

D065 9-26-00 Millville Site

1530 V-2 Trench has to be Extended to place the trench Box, Heavy Rain continues

1600 Billy Lima, John Anderson have placed the Lids on At A-16 Vault, Global Field Team maybe off-site, or getting Ready to leave site for the day.

1605 Global is, on-site

1615 John Anderson/John Cane ~~[illegible]~~ 9/26 TAKE Boom from stream, With the suspected oil Sheen

1700 Leave site for the day

9/26/00

[signature]

D065 9-27-00 Millville Site

0630 Arrive on-site
Weather: Cloudy Skies and Cool
Temp: Mid 50-60° forecast up to the Low 70's
Daily Safety Briefing held, with the Subsurface Soil Sampling Team.
AHA TRAINING WAS conducted for Subsurface Soil Sampling & Chamber Demolition

0700 Daily Safety Briefing held, WITH Global Team
AHA TRAINING was Conducted for Pipeline Cleaning and ~~TESTING~~ Pressure TESTING, AHA TRAINING FOR Confined Space Entry WAS INCLUDED.

0800 AT Location V-2 Billy Lima/John Anderson & John Lane, Branches and Fence line was cut Back to clear work space around V-2 Excavation with the backhoe.

0810 Josh Holden arrives at V-2 work area.

0910 V-2 has been Excavated to depth to place the Trench Box, Billy/Josh Leave to get the Excavator to move the Trench Box.

1115 The Trench Box was modified to Fit Into the Excavation at V-2 Location.

1230 Break for Lunch Not taken, work continues

1430 HAND Digging V-2 near Value/Edges of Excavation was cleared 9/27/00 D. Lane

D065 9-27-00 Melville Site

1500 Start Pumping water from V-2 manhole for V

1535 Water is pumped from the V-2 Vault and nipple is placed on Pipeline to suck out the water on a later date. John Anderson is securing the Excavation Area.

1630 Leave site for the day

9/27/00

J. Lee

D065 9-28-00 Millville Site
0630 arrive on-site
Weather: Clear Skies and Sunny
Temp: ~ 65°
Daily Briefing was held with the Chamber Demolition team.
0700 Daily Briefing was held with Global discuss the Cutting of the 24" pipeline in V-2 and Health & Safety Concerns around the trench Box and Air Monitoring during Cutting of Pipeline
0730 Calibrate Instruments - Used Global Rental MicroFID #CZ GH335
Initial Response 99.9 ppm with 100 ppm CH4 CZ GH335
Passport CGI # FW00181 was also calibrated See Calibration Log Sheet
THE FID for Foster Wheeler was supose to arrive on 9/27/00 in the AM, but ~~the~~ we haven't Received the unit as of 9/28/00 Hazco will be called today.
0740 At Location A-10 for Demolition of Vault to Collect Soil Samples. Billy, John Anderson & John Lane
0810 Continue to Demo - A-10 Chamber
Photos taken At A-10
9/28/00 J. Lane

0065 9-28-00 Millville Site 9/28 JF

Photos # 1 & 2 were taken From the ~~Northside~~ SOUTHSIDE of the Chamber # A10,

Photos # 3 was taken From the Northside of the Entry way of A10,

Photo # 4 was also taken From the Northside of A-10,

Photo #5 was taker from the Southside of the Entry way of A-10, Photo # S. Side Entry A-10

Photos # ~~6~~ 7 & 8 was taken from the Southside of A-10 # after demolition of top Concrete Section of A-10 9/28

Photo's # ~~9~~ 9 & 10 was taken From the Northside of A-10 # after demolition of the top Concrete section of A-10 9/28 JF

0920 At Location A-14 Photos # 11 & 12 were taken from the southside of the Chamber A-14

0940 At Location E-15 Photo # 13 was taken from the Northeast side of the Chamber E-15.

1210 Soil Sample was collect from Chamber A-15 on the westside of the Chamber below the concrete, with the Backhoe Bucket. Photo # 16

1235 E-15 Soil Sample was collected from the westside of the Chamber from the Backhoe Bucket. Photo # 17

1405 A-14 Soil Sample was collected NW side with 9/28/00 D. Pane

DU65 9/28/00 on Mobile Site
the Backhoe Bucket, Photo # 18 & 19
1445 A-10 Soil Sample was collected from
the NW side of the Chamber with
the Backhoe Bucket below the
Chamber. Phot # [redacted] (Photo 20 & 21 Shows Area to Collect Sample
1520 Conduct weekly H&S Inspection at office
Trailer and Storage Trailer
1630 Leave Site for the day

9/28/00

D065 10-2-00 Millville Site

0620 Arrive on-site John Lane, Josh, John Anderson, Billy Lima
Weather: Cloudy skies / Foggy
Temp: Low 60's

0630 Daily Briefing held with John Anderson, Billy Lima, work activities Backfill Chambers

0645 Collect Soil Sample from V-2 under the 24" Pipe on the southside of Vault #2 FID Readings 0 ppm
FID# C2GH335 was calibrate to 99.9 ppm
CH4 Bkgd is 0 ppm

0700 Daily Safety Briefing was held with Global, Pumping water from V-2

1100 Set-up TVA-1000 for Calibration / and then Placed back on Charge unit will be used today if needed.

1330 Global Working at V-5 inside Fenced AREA Billy Lima Transporting Backfill materials to backfill Chambers, Global have been pumping water from V-2 this morning.

1615 Take hoses down to BLDG #3

1635 Back at office trailer

1700 Leave site for the day

John 10/2/00

D065 10-3-00 Millville Site

0630 arrive on-site:
Weather: Clear Skies and cool
Temp: MID - 50's to low 60°
Daily Safety Brefing held with Bldg Crew/ John Anderson, Josh also

0700 Daily Briefing held with Global Field team
Grey Corp. on-site and attened the Briefing
Calibrate TVA-1000, set zero last Cal with 100ppm CH_4 TVA-1000 accepts span gas
Bkgd is 2.30ppm # HAZCO 11902
Calibrate MSA Passport CGI # HAZCO 11949
adjustments were made, H_2S Read 7ppm
Qual Gas for CGI in on the way from HAZCO

0800 Air Monitoring Bldg #73 TVA-1000 / PASSport CGI
FID TVA-1000 - Results 2.30 - 2.35 ppm
inside Bldg 73, Passport CGI all Scaled at
Normal Ranges O_2 20.8% LEL 0% CO 0ppm
H_2S - 0ppm hose was placed inside Bldg 73
on Sub Ground level Floor (basement).

0815 Gas pump starts CO - 15ppm in Bldg windows
were closed CO - 4ppm in Bldg. LEL at
1.0%, hose has a leak, Josh was told
and hose was changed.

0830 At Water treatment to get hose to replace damaged
hose.

10/3/00 J. Lane

D065 10-3-00 Millville Site

0924 At E-17 waiting for John Anderson to arrive before starting to demo Chamber

1020 Photo #3 WAS TAKEN From the EAST SIDE of the Chamber # E-17 about 3' ~~for~~ of water is in Chamber, Chamber is about 10 ~~ten~~ Feet deep.

1034 Photo# 4 WAS TAKEN FROM the SOUTH SIDE of Chamber # A-17.

A-17 is dry and is also about 10' deep

1050 Start Excavating from westside of ~~A-17~~ E-17 to Collect Soil Sample below the outside of the Chamber

1100 Photo's # 5 & 6 were taken from the North side of Chamber # ~~A-17~~ E-17, The ~~North~~ westside of the Chamber is the down hill side also.

1105 Soil Sample Collected at ~~A-17~~ E-17
NAVSTA-CS-A17-01 FID on Sample 0 ppm
FID Backhoe Bucket 0 ppm
Breathing Zone 0 ppm

1150 Both Chambers # A-17 & E-17 are secured with Hi Vise Fencing.

1240 At A-17 Excavating from the westside of the Chamber to collect a Soil Sample from below the Chamber Photo's # 7 & 8 was taken from the NW Corner of the Chamber A-17

10/3/00 J. Anderson

D065 10-3-00 Millville

1250 Soil Sample A-17 was collected from the westside of Chamber A-17, about 10' below sample was collect from the Backhoe Bucket FID Readings were 0 ppm

1500 Attempt to make entry at Bldg # 73 (CSE) Air Monitoring FID - 44.3 ppm and Elevating as I travel down Stair case, CGI - Readings were at normal Ranges O_2 - 20.8%, Lel 0%, Co 0 ppm H_2S 0 ppm Entry was stopped because of elevated FID Readings and Strong odors of Fuel Oils.

1530 Post-Cal FID TVA-1000, and CGI See Calibration Logs dated 10/3

1700 Leave site for the day

10/3/00

D065 10-4-00 Millville Site

0630 Arrive on-site John Lane

Weather: Partly Cloudy Skies

Temp: 50-60° and mild

Daily Safety Briefing was held with J. Anderson, B. Lima and J. Holden

Topics: Chamber Demo/ Soil sampling, Chambers that have drains will be Dye tested Before Demo. Safety topic were also discussed (See daily Briefing dated 10/4/00).

0645 Calibrate Air Monitoring Equipment

MSA Passport CGI # HACCO 11049

FOXBORO TVA-1000 FID/PID (Bkgd 0.5/ppm)

See Calibration Log Sheet

MICROFID # CZ GH 335 (Bkgd Øppm) Global

0630 Start to Excavate From the WESTSIDE OF CHAMBER # E-18 ~ 4' down uncover a steel pipeline Photo # 9 shows the pipeline, NAVY utilities were called to the area

0920 Photo # 10 Show steel pipe incased in CLAY PIPE seems to be a drain pipe. NO ELEVATED READING ON THE INST.

0925 Soil Sample was collected from E-18. (NAVY Don't know what the pipeline is, Sewer or Electrical NAVY Personnel). Air Monitoring FID - 0.5'ppm, CGI - NORMAL

0945 START TO EXCAVATE from the westside of Chamber A-18 ~ 3-4' down uncover steel pipeline on westside of Chamber. FID - (NAB) CGI - Normal.

10/4/00 J. Lane

D065 10/4/00 Millville Site

1000 Soil Sample was collected from A-18 Photo # 11 Shows the NW SIDE of the chamber, Sample Location AND 4-6" Pipeline FID-Bkgd, CGI-NORMAL

1015 J. Holden and the State arrive at Location E-18/A-18

1055 At Location E-19 AIR MONITORING FID-Bkgd, CGI - NORMAL RANGES

1110 Soil SAMPLE WAS COLLECTED FROM E-19, FROM THE NORTHEAST SIDE OF THE CHAMBER Photo # 12 Shows the SAMPLE Location, FID-Bkgd, CGI-NORMAL Photo # 13 WAS TAKEN FROM THE NORTHWEST SIDE OF CHAMBER A-18, Photos # 14 & 15 were TAKEN FROM THE NORTHSIDE OF CHAMBER A-18 SHOWING the 4-6" Pipeline (UNKnown By NAVY SEWER/ ELectrical Personnel.

1330 B. Lima/J. Anderson Backfilling Chambers and Transporting Soil from TANK FARM 4 to TANK FARM 5

1400 Global FIELD TEAM WORKING AT BLDG # 73, VAC TRUCK, TAKING WATER FROM @ Basement Floor, J. Lane/J. Holden attemp to take pictures of the BASEMENT, READINGS with FID were at 3.6ppm - 4.0ppm and had a Strong Fuel odor Photo attemp was stopped, THE CGI WAS AT NORMAL RANGES.

1700 DYE TESTING sewer line on Aurora Road J. Lane/J Holden

1730 Leaves site for the day - 10/4/00 J. Lane

D065 10-5-00 Millville Site

0630 Arrive on-site
weather. Cloudy Skies and Rain
Temp: 50-60°
Daily Safety Briefing was held, J. Anderson, B. Lima and J. Holden
Topics: Demo Chamber / Soil Sampling

0645 Calibrate Air Monitoring Equipment
TVA-1000 HAZCO 11902 (Bkgd - 0.4 ppm)
Global MicroFID CZGH335 100 ppm CH4 to 103 ppm
(Bkgd 0 ppm)
MSA Passport C.G.I HAZCO 11049 (see Cal. Log Sheet)
Global MG 140 C.G.I

0700 Daily Briefing held with Global Field team

0730 At A-19 Chamber B. Lima, J. Anderson At E-19
Demo / Backfilling E-19

0915 At CT-51 B. Lima START TO DEMO CT-51

1210 J. Anderson start pumping 2½' of water from CT-51

1225 More Demolition of CT-51 Chamber (FID-0.4 ppm) CGI (NAB)

1325 Stop Demo with hammer / will use Backhoe to clear an area to collect the soil sample from beneath the Floor of the chamber.

1410 Soil Sample was collected from below the Chamber. NAVSTA-CS-VCT51-01 BELOW THE FLOOR SAMPLE

1555 Soil Sample was collected from the NW Corner of the Chamber NAVSTA-CS-VCT51-02 (FID-BKGD)

1610 Soil sample was collected from SW Corner of Chamber NAVSTA-CS-VCT51-03

1700 Leave Site 10/5/00

D065 10-9-00 Millville Site

0600 Arrive on-site John Lane

0700 J. Holden arrives on-site

No work in the FIELD HOLIDAY IN Rhode Island.

Check-up on all paperwork, complete AHA for welding / cutting 24" Pipe

Complete Daily / weekly Reports

1420 Leave site for the day

10/9/00

JP

D065 10-10-00 Millville Site

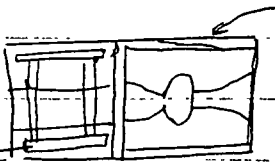
0700 Arrive on-site John Lane
J. Holden has Conducted the Daily Briefing
Weather: Sunny skies, windy and Cool
Temp Low 50°s

0715 Daily Briefing was held with Global Field team
Training Sub-Contractor on Air Monitoring
Instrument Calibrations and Calibration Log
Sheets, MICROFID and MG-140 Combustible
Gas Indicator, also Hydrogen Refuelling
of MICROFID.

0730 START Calibration TVA-1000 FID/PID HAZCO 11902
(see Calibration log sheet)
Calibrate MSA Passport CGI HAZCO 11049
(see Calibration log Sheet)

0900 At V-2 during Dig out of soils from underneath
the 24" Pipeline, THE 18" valve was also
being disconnected inside the Chamber,
Noticed overhead Asphalt had a crack in
it and a worker was working underneath
the asphalt, work was stopped until Asphalt
was broken apart with a Sludge hammer.

Diagram:



0950

10/10/00

D065 10-10-00 Millville Site

0950 Photo # 1 & 2 Shows Asphalt Road Caving IN AND VALVE IN V2 Chamber Ready to be TAKEN out.

1010 Photo # 1 & 2 Valve Removal

1020 MICROFID Readings IN V-2 pipe after Removal of Valve MICROFID Readings are greater then 3,000ppm OUTSIDE OF V2 Chamber, TVA-1000 FID Results are greater then 700ppm, Reading Exceeded High Ceiling (Read out of TVA-1000). No personnel IN the V2 Chamber, Chamber will be vent with a Coppus blower until Readings are brought down before and attempt to install the Block Flanges on the pipe.

1100 After using the Coppus Blower in the Chamber the Reading went down to ~ 3.0 ppm NO READINGS on the CGI, Respirators were used during entry to install Block Flanges, Tyvek will be worn as needed. (Carl Tippman is on-site) The Excavator 318 Rubber tire leaves site for Groton.

1145 At V2 the 24" Flange have been sealed ~~both~~ with metal Plates some Bolts need to be added.

1255 Start Excavating outside Bldg # 73 on the Northside to Locate the underground pipe 24" to 16" with the Backhoe, Readings

10/10/00

D065 10-10-00 Millville Site

with the TVA-1000 FID = Bkgd 2.00 ppm

PASSpat CGI - AT NORMAL RANGES

1315 FID AIR monitoring at Bkgd

CGI AT Normal RANGES → O_2 - 20.8%, LEL - 0%

1335 Photo #3 Shows concrete, CO 0 ppm, H_2S 0 ppm Pour around 24" & 16" pipeline, the depth of the Excavation is ~ 10'

1530 Open Excavation is secured with Hi Vis Fencing for the night.

1542 At V2 work is wrapped up for the day, AT V2 LEL READING were Elevated Global will work at Bldg #73 and V3 Tommorrow, The telephone crew was called off for coming to the site on 10/11/00

1700 Secure office trailer, Storage Trailer and lock Fence, then leave site for the day

10/10/00

D065 10-11-00 Melville Site

0630 Arrive on-site

Weather: Cloudy skies, with some sunshine and windy

Temp: 40-Low 50's with strong wind gust

Daily Briefing held, J. Anderson, B. Lima, J. Holden discussed Demo/soil sampling, THE STATE will be on-site today.

0645 Calibrate Air Monitoring Equipment

HAZCO 11902 TVA-1000 Calibrate w/100ppm CH4 Unit Accept Calibration Gas

Bkgd is 0.25ppm

HAZCO 11049 PASSport CGI QUAD GAS (see Cal. Log Sheet)

0700 Daily Briefing held with Global Field team

0720 At A19 start Excavating to collect Soil Sample

0735 Collect Soil Sample from A19, the sample was Collected from the SW Corner underneath A19 Chamber, a 2" pipe was broken during the Excavation Photo # 4 Shows the sample Location and the broken pipe. (all Readings were at Bkgd)

0807 At Location CT52 to Excavate and Collect Soil Sample.

0825 Collect the Soil Sample from CT-52, from the NW Corner underneath the Chamber FID = Bkgd. (NAVSTA-CS-VCT52-01 Photo #6)

0900 Collect Sample CT-52-02 (NAVSTA-CS-VCT52-02) Photo #7

10/11/00

D065 10-11-00 Melville Site

0935 Soil Sample Collected from CT56 Photo #8 Shows sample Location (NAVSTA-CS-VCT56-01)

0950 Soil Sample Collected from CT56 Photo #9 Shows Location (NAVSTA-CS-VCT56-02) FID Reading Elevated at 11.0 ppm on Soil Sample noticed strong Fuel odors

1155 Soil Sample Collected from CT53 Photo #10 Shows sample Location FID Readings 21.11 ppm with spikes up to 28.13 ppm. Noticed strong fuel odors on soils. Photo # 11 Shows

1245 Collect Soil Sample from V1 underneath pipe (NAVSTA-CS-VV1-01) J. Holden & State arrives after sample is Collected.

1400 START Labelling and preparing samples for the LAB.

1450 More Sample Bottles arrive onsite from the LAB.

1515 Conduct weekly H&S Inspection / Emergency Equipment Inspections

1700 Leave Site for the day

10/11/00

0065 10-12-00 Melville Site

0630 Arrive on-site
Weather: Cloudy Skies / Cool
Temp: Low 50's
Daily Safety Briefing Top Soil A16, Bldg 73 & A-7
B. Lima / J. Andurson
Global - Bldg 73, Remove Valve at V3

0700 Daily Briefing held with Global
Bldg #73, V3 cutting off Bolts

0715 B. Lima Start Excavating underground TANK
at A-16 (FID - Bkgd 0.69ppm / CGI - Normal)
FID INSIDE TANK ~~=~~ 0.73ppm, CGI - 5% LEL
all other scales normal

0750 Air monitoring FID - Bkgd 0.69ppm
CGI - Normal O_2 - 20.8, LEL 0%
CO 0ppm, H_2S 0ppm
Photo #12 Shows underground tank Extened out
of Bldg A-16.
Photo #13 Shows Top of TANK INSIDE A-16

0810 No Cable Found on top of underground TANK
at 30-36' Photo #14 Shows Exposed underground
Tank at A-16 (30-36' from Edge of Road)

0845 Photo #15 Shows Exposed underground Tank.

1100 B. Lima Take out Value from V3 and Store
at Tank Farm #5

1130 At BLDG #73 to Excavate the side wall
of the open Excation at Bld 73 10/12/00 [illegible]

D065 10-12-00 Millville

24" pipe Reduce to 16" pipe to enter Bldg. 73.

1200 Finish Excavation at Bldg #73 for now.

1225 A & A-16 Continue Excavating the underground Tank.

1320 Uncover telephone Cable / cause some DAMAge to the wire Josh calls Verison to Inspect Cable, Cable is about 50' from the Road, Verison thought cable was at between 30-36' as marked in the Road Photo #16/17 Shows the DAMAged Cable.

1350 Photo #18 Shows MARK out 30-36' From ROAD Verison

1400 Verison Arrives at A-16 Excavation to see Broken cable.

1500 Photo #19 Shows utility MARK out Point from Edge of Road to utility (E-16 Chamber)

1700 Leave site for the day

10/12/00

10/16/00 0065 Millville Site

0610 Arrive on-site J. Lima

0630 Daily Briefing held B. Lima, J. Anderson
Transfer Soils / Seed
Weather: Clear Skies and Cool
Temp: Low 50°

0700 Daily Briefing Global
Work activities Weld/Cutt Pipeline at
V-1 and V-2, AHA Training was
Conducted for Welding/Cutting Pipelines

0830 Global at V-1 Setting up to cut Pipeline

0900 Calibrate Air Monitoring Equipment
MSA Passport CGI # HAZCO - C 11049
LeL - 34% - 35%
O_2 - 19.4% - 19.0%
Co - 99 ppm - 100 ppm
H_2S - 25 ppm
TVA - 1000 FID/PID # HAZCO 11902
FID - 101.79 ppm initial Cal with 100 ppm
CH_4 Accepted 100 ppm CH_4 BKgd

1045 At Bldg. #73 demo concrete pad around Pipe
line.

1155 B. Lima start with the Backhoe to clear
on Broken Concrete to Locate the Pipeline.

1440 Hammering/Excavating at Bldg #73 is finished
the 24" to 16" Pipeline is visible. Photo # 19
Shows Demo of concrete around pipe. 10/16/00 J. Lima

10-16-00 D065 Millville Site

1500 Photos # 1 & 2 Shows Pipeline Excavation and Pipe outside Bldg #73. Water has a sheen cover may be oil.

1600 V-1 Pipeline has been Chop Sawed and Flange has been welded on the 24" Pipeline and Hydraulic Cement has been used to seal the 16" pipeline Exiting V-1. work area is Secured for the night, Bldg 73 Excavation is secured for the night also.

1700 Leave site for the day

10/16/00

10-17-00 Millville Site D065

0625 Arrive on-site J. Lane

Weather: Cloudy Skies

Temp: Low 50's

0630 Daily Briefing: Topics Fwenc: Topsoil, Chamber demo/ Soil Sampling

0700 Daily Briefing Topics Global: Pig V1 to V2 Cut/weld V-2 CSE

0705 Calibrate Air Monitoring Equipment

#HAZCO 11902 TVA-1000 FID/PID 2000 instrument Cal with 100ppm CH4 - Accept 100ppm CH4. Bkgd - 0.99ppm

#HAZCO 11049 NSA Passport CGI LeL-35%, O2 19.0% Co 100ppm H2S 25ppm

Log Photos from Camera for the Navy

1000 At V-2 for Removal of 24" Pipe, traffic Control with Flaggers J. Lane/ N. Johnson

1030 Section of 24" Pipe was loaded on Back of Pick-up and transported to Tank Farm #5

1136 At A-19 Hammering Chamber to Collect a Soil Sample from below the Floor of the Chamber

1330 Soil Sample Collected from A-19 under Floor from the SW Corner of the Floor Photo #3 Shows hammer punching hole in Floor for Sample Photo #4 Shows Location of Sample A19-02

10/17/00 J. Lane

10-17-00 D065 Melville Site

1330 Soil Sample NAVSTA-CS-A19-02 was collected FID-Readings on Soil Sample was at Bkgd 0.99 ppm

1440 Removal of Scrap metal from A-19, Placed in nearby Roll-off.

1500 START TO Demo Chamber # CT-56

1830 Leave site for the day

10/17/00

[signature]

10-18-00 Millville Site DO65

0620 Arrive on-site J. Anderson, B. Lima on-site

0630 Daily Briefing was held Topic's
Demolition at CT-52, Investigate to see if Chamber has a Sump. A Sump was located but had on pipeline Exiting the Sump see photo #5
Daily Briefing included Training as follows:
HAZARD Comm. PPE, Emergency action, Blood borne pathogen, Confined Space, lock out/Tag out
B. Lima / J. Anderson attend

0745 Weather: Cloudy Skies, cool
Temp: Low 50's Rain in the forecast today

0800 Calibrate Air Monitoring Equipment -
#HAZ 11902 TVA-1000 & MSA Passport CGI # HAZ 11049
(see Calibrations Log dated 10/18/00).

0815 At Chamber CT-52 Photo #5 Shows sump inside Chamber before demolition.

0830 Rain begains, and demolition continues at Chamber CT-52.

1015 Air Monitoring TANK AT A-16, RESULTS AS FOLLOWS:
TVA-1000 FID = 0.99 ppm
MSA Passport C.G.I = O_2 - 20.8%, LEL - 0%, Co - 0 ppm
H_2S - 0 ppm.

1130 Continue Demo at CT-52, Global at V-3 & V-2.

10/18/00 J. Lima

10-18-00 Millville Site D065

1200 Global work activities are as follows:
Pig from V-2 to V-3, from V-1 to V-2
and pressure test the pipelines.

1228 B. Lima Continue to backfill CT-52 at Tank
Farm #5

1400 FWENC will continue to backfill and
secure CT-52, Global continue to
work at V-1 to V-2 and V-2-V3
pipelines.

1500 Weekly H2S Inspection and Emergency
Equipment Inspection (weekly)

1630 Crane site for the day

10/18/00

10-19-00 Millville Site 0065

0630 arrive on-site
Weather: Partly Cloudy Skies, Windy & Cool
Temp: Low 50°
Daily Safety Briefing held (FWENC)
Top Soil, Demo CT-56 Soil Sample, Back fill

0700 Daily Safety Briefing (Global)
Training - MSDS, PPE, CSE, HAZ. Comm, Bloodborne
Pathogen, Lock out/Tag out, Emergency Response
Work activities: V-2 to V-3 pig V-1 to V-2 pressure
test, Pump Liquids

0730 Calibrate Air Monitoring Equipment
#HAZ 11902 TVA - 1000 - FID Cal. with 100ppm CH4
Bkgd - 0.0ppm
#HAZ 11649 MSA Passport CGI - (35% LEL) (19.0% O_2)
(100ppm Co) (25ppm H_2S)

0800 At V-5 observe CSE set-up (need to place
(DO NOT ENTER CONFINED SPACE PERMIT REQUIRED) workers
were told, and they will get a sign.

0830 At CT-56 Chamber is being Demoed to collect
a Soil Sample below the Chamber Floor

0916 Photo #6 Taken from the SW Wall of
CT-56 during Demolition. (Noticed Window Broken Excavator

1000 Soil Sample Collected # NAVSTA-CS-VCT56-03
Photo #7 Shows the Sample Location, FID = 8.10ppm
has a petroleum odor. (Petroleum odor).
10/19/00 [signature]

10-19-00 Millville Site D065

1030 Soil Samples were Labelled and Stored in Freezer at office trailer.

1200 Hammer was change on the Excavator and the Bucket was ~~not~~ attached to the Excavator

1435 FWENC Back filling Demolished Chambers at Tank Farm #5
Global is air pressure testing V-2, the Air Compressor is set-up at V-2.

1500 Leaving Site for the day

10/19/00

10-23-00 D065 Millville Site

0615 Arrive on-site J Lane
Weather: Partly Cloudy Stries and Cool
Temp: Low 50's

0630 Daily Briefing held FWENC:
Topic: Removal Trench Box from V-2
and Back fill, move Jersey Barriers from V-2,
Backfill Chamber in Tank Farm #5

0700 Daily Briefing held Global:
Remove Flange from V-2 before Trench
box is moved, Global will be working
at Bldg. #73.

0730 Calibrate Air Monitoring Equipment
TVA-1000 HAZCO# 11902
Accept 100ppm CH4 Bkgd 0.25ppm
Passport CGI HAZCO # 11049
LEL-35%, O_2-19.0%, CO-100ppm, H_2S-25ppm

0945 The Flange was taken out of the
V-2 Trench Box, the other Flange inside
V-2 Chamber will also be taken out.
The old Valve will also be taken out
these parts will be stored of tank
Farm #5

1200 Flatbed arrives on-site to Take the Jersey Barrier
three sections of the Jersey Barrier were loaded
from V-2 for transport leaving 4 Shorter
10/23/00 J. Lane

10/23/03 Millville Site D065

Sections for Pick-up on 10/24.

1400 Start Backfilling Excavation at V-2, Global Contractor work at Bldg #73 for the day

1630 V-2 is Backfilled and traffic Cones are placed around Backfill area the is Just about of the grade with the Road, area is secured for the evening.

1645 Leaves Site for the day.

10/23/03

10-24-00 Millville Site 0065

0620 Arrive on-site J. Lane

0630 Daily Safety Briefing held (FWENC)
Topic: Backfill, Install Trench Box at Bldg 73 Continue Demolition of Chambers and Collect Soil Samples
Weather: Clear Skies and warm
Temp: Mid 60's

0720 Daily Safety Briefing held (Global)
Topic: CSE Bldg 73 Tank Cleaning
"A" was covered for Tank Cleaning and Cutting with Chop Saw, CSE was also Reviewed (Training is documented and filed,

1130 Hammer was placed onto the Excavator Replacing the Bucket.

1220 Start Demolition of V-1 Chamber Tank Item #5
Photo #8 was a error, but Photo #9 Show V-1/CT-53 from the NE side during Demolition of the Chambers.

1240 Photo #10 Shows the Brown sump in Chamber CT-53, Photo #11 Shows sump after sediment was Shoveled out.
Air Monitoring in CSE MANHOLE (see Calibration Log for Calibration)
PID - Bkgd 0.6 ppm
CGI O_2 - 20.8%, LEL - 0%, Co - 0 ppm
H_2S - 0 ppm

1310 Demolition continued at V-1 Chambers.

10/24/00 J. Lane

10-24-00 Millville Site D065

1315 Josh Set-up water source to inject DYE INTO DRAIN to trace the lines discharge.

1330 DRAIN with DYE IS Clogged-up waters not moving out of Chamber, water test was stopped.

1630 LEAVE site for the day

10/24/00

11½

10/25/00

0610 Holden onsite

0620 Calibrate

0630 H&S Briefing

Topic - slip/trips/falls pinches/caught between

FWENC task - expose pipe @ Bld 25

- demo CT53

weather clear & Cool

0700 Globar H&S Brief

0720 go to Bld 73 Excavation

PASSport 0% LEL; Ø = CO; O_2% = 20.8; H_2S = Ø

FID Ø ppm

0745 LEL = 4; CO = Ø; O_2 = 20.8, H_2S = Ø, FID = Ø

0800 LEL = Ø; CO = Ø; O_2 = 20.8, H_2S = Ø, FID = 0.6

0815 LEL = Ø; CO = Ø O_2 = 20.8, H_2S = Ø, FID = 0.5

0830 finish @ pipe. Global to begin cutting pipe.

1000 fix flat of Excavator

10/25

1410 talk w/ Mannie from Local 673
he faxed osha notice to Local Providence

1500 - Begin pulling pipe out of Bld 73
use slings to pull pipe
Global decon interior of pipe
1540 - pipe loaded in backhoe, secured w/strap
placed in roll off

1600 Global securing pipe for evening

1630 return to trailer, place equipment on charge

10-26-00 Millville Site D065

0700 arrive on-site due to Heavy Foggy Highway, Josh Holden had given the daily Briefing for the day.

Weather: Heavy Fogg, limited visibility

Temp: Low 50's forecast up to the Low 70's later today

0730 Weekly office/storage Trailer inspections, also the weekly Emergency Equipment was inspected.

0745 Calibrate the Air Monitoring Equipment

TVA-1000 FID # HAZCO 11902

Passport CGI # HAZCO 11049

TVA — Accept 100ppm CH4 101ppm Bkgd 0.38ppm

Passport CGI — LeL - 35%, O_2 - 19.5/19.0%

Co - 101/100ppm, H_2S - 25ppm

1025 Talk with Josh about Collecting a Soil Sample off the Roadway south of V-2 Chamber, Sample is NAVSTA-CS-VAVI-01

1150 Soil Sample # NAVSTA-CS-VAVI-01 was collected (No Readings) Photo #5 Shows sample location.

1215 Air Monitoring in A-16 Bldg, FID = 0.45ppm

Passport CGI = LeL - Ø%, O_2 - 20.8%, Co - Øppm

H_2S - Øppm

1235 THE STATE Rep. is on-site to see inside Bldg # A-16

1250 Air Monitoring Bldg A-16, State/FWEAC inside water has been pumped out to the ~~FRAG~~ VAC Truck

10/26/00 [signature]

10-26-00 Millville Site 1065

1255 TVA-FID = 2.0 ppm
Passport CGI = Lel-0%, O_2-20.8%, Co-0 ppm
H_2S-0 ppm

1315 Josh and State Exit's the pump station at A-16.

1600 Leave site

10/26/00

10-30-00 D065 Millville Site

0665 Arrive on-site J. Lane B. Lima, J. Anderson, J. Holden
Weather: Partly Cloudy Skies and Cold
Temp: upper 40's to low 50's

0630 Daily Breefing held FWENC J. Anderson / B. Lima
Demo - AV2 / AV3 and S1 Collect Soil Samples
(3)

0700 Daily Briefing held Global - Pressure test
at V3

0710 Calibration of Air Monitoring Equipment
HAZCO 11902 TVA-1000 FID/PID Cal w.M 100ppm CH4
to 103 ppm Bkgd 0.45ppm
HAZCO 11049 Passport C&I
Cal to 35% O_2 - 19.0% Co - 100ppm
H_2S - 25 ppm

0720 Get Badges to enter NWIC

0734 at Location AV2 to demo and collect
a Soil Sample

0750 Soil Sample Collected from AV2
NAVSTA-CS-VAV2-01 (FID = 101.39 ppm oil odors)
Photos # 1 & 2 1- Shows AV2 open hole with pipeline
in ground from the Southside of the hole
2- Shows AV2 from Southside open hole and Valve on
ground surface taken from pipeline in ground

0900 At S1 Air Monitoring C&E manhole vault FID - 0.35ppm
Passport C&I Normal Ranges

10-30-00 J. Lane

10-30-00 D065 Millville Site

Note: S1 has no Electrical Cable inside the Vault the drain sump has no discharge pipe attached.

0920 Start Demolition of S1 Vault with the Hydraulic hammer

1050 Back hoe is used to clear concrete debris from VS1 to collect a soil sample from beneath the Floor of the Vault, Water Rushes inside from 24" pipe, a Valve was broken from the pipe during the Clean out ~~[illegible]~~ 10/30 with the Back hoe, Global will Vac the water from VS1 and the pipe will be sealed with Hydro Seal, Cement.

[illegible]5 No Soil Sample from inside VS1 because its to ~~[illegible]~~ 10/30 difficult to get inside to Clear debris to collect Sample A Sample was collected from the North and South sides of the Vault underneath the 24" pipeline.

1215 Collect Soil Sample #NAVSTA-CS-VS1-01 from underneath the 24" pipeline, Photo #3 Shows the Pipe and Sample Location (No Powercable found during Excavation/ hand Shovelling) NW Side of Vault

1240 Collect Soil Sample #NAVSTA-CS-VS1-02, from underneath the 24" pipeline, Photo #4 Shows the Pipe and Sample Location (No Power cable found) SW side of Vault. 10/30/00 [signature]

10-30-00 D065 Millville Site

1330 Samples are being labelled in placed in Freezer. Air Monitoring Readings on Both Soil Samples were at BKgd 0.45ppm

1414 At Location E-16 & E-22 to set-up for Collecting Soil Samples # NAVSTA-CS-VE16-01, # NAVSTA-CS-VE22-01

1435 Soil Sample Collected from E-16, Photo #5 Shows the sample Location below the Vault FID = 0.45ppm Bkgd.

1450 Set-up at E-22 to Excavate below the Chambers to Collect a Soil Sample # NAVSTA-CS-VE22-0

1510 Soil Sample Collected NAVSTA-CS-VE22-01 Photo # 6 Shows Sample Location SE Side of Chamber (FID = 2.39ppm Soil is BLACK)

1525 AREA is secured with Hi Vis Fencing

1550 Start Post. Calibrations

1745 Leave Site for the day

10/30/00

10-31-00 D065 Millville Site

0630 Arrive on-site J. Lane, J. Holden, S. Anderson, B. Lima
Weather: Cloudy Skies, Cold and Rain
Temp: Low 50's to upper 40's
Daily Safety Briefing was held with Fw/Enc Team, Topic Back fill Chambers AND Demolition of A-16

0645 Monthly Inspection of Fire Ext, and weekly Emergency Equipment was conducted.

0700 Daily Briefing was held with Global
Topic: Bldg. 73 and V-3 pressure testing and installing P.I.G. in-line

0730 Calibrate Air Monitoring Equipment
HAZCO# 11902 TVA-1000 FID/PID
with 100ppm CH_4, Unit Accept 100ppm
at 101.36 ppm / Background as 0.48ppm
HAZCO# 11049 Passport CGI - LEL - 33-35%,
O_2 - 19.5-19.0%, Co - 98ppm - 100ppm
H_2S - 24ppm - 25ppm

1100 Global: Bldg #73 working on pipeline

1200 Traffic Control at E-16 & E-22
Photo #7 Shows E-16 Demo from the Southside,
Photo #8 Shows E-22 Demo from the Southside

1240 Concrete Truck arrives to Back Fill E-22 with Cement/SAND Photo #9 Shows Back fill E-22 from the Southside 10/31/00 D. Lane

10-31-00 Millville Site D065

1310 Truck leave site (~~concrete~~ (cement truck).

1400 Photo #10 Shows E-16 Backfilled with cement/SAND, Photo taken from the SW Corner of E-16 (CARDI is the cement hauler)

1500 More SAND/cement placed in E-16,

1600 AREAS are secured for the night

1630 Road Signs are taken down due to windy weather

1700 Leave site for the day.

10/31/00

D. Lum

11-1-00 Millville Site 0065

0635 Arrive on-site J. Lane
Weather, Cloudy Skies, Windy and Cold
Temp, mid 40's

0640 Daily Safety Briefing FARENC Topics
Work at V-3, & S-22 Demolition and
Soil Sampling

0700 Daily Briefing with Global. Topics
Work at Pier #2 & Bldg 73
Calibration of Air Monitoring Equipment
TVA-1000, #HAZCO 11902 √ BKgd - 0.39 ppm
CGI Passport, #HAZCO 11049 (O_2 20.8, LEL 0, CO 0 ppm H2S 0)

0730 Flange was taken from open Excavation at Bldg 73

0740 At Location V-3 to start Demolition of Chamber
Photo # 11 & 12 Shows inside of Chamber before
Demolition Locating the DRAIN sump and Pipeline
the in-Line Valve has been moved ~~parts~~ prior to
demolition. Photo # 13 Shows demolition

0900 Soil Sample # NAVSTA-CS-VV3-01 was collected
Photo # 14 Shows Location of Soil Sample taken
from the South East side, inside the Chamber.

1005 Gravel Truck arrives at V-3, Gravel will be
dumped at McCallisters and Hauled to V-3
for Backfilling

1200 Soil Sample # NAVSTA-CS-VV3-02 was collected
from the South side of the Chamber underneath the
24" pipe, Photo # 15 Shows the sample Location

~~J.~~ 11/1/00 J. Lane

11-1-00 Millville Site 0065

THE Gravel Dump TRUCK arrives at V-3 and dumps a load of Backfill at the AREA.

1210 Weekly Health & Safety Inspection of Office/ Storage Trailers

1340 Soil Sample was collected from VB-73 (Bldg. 7. Photo # 16 Shows soil sample Location from INSIDE THE TRENCH BOX on the EAST wall underneath the 24" pipe. # NAVSTACS-VB73-01 F10- 058ppm ABove the BACKground on soil Sample.

1345 At E-16 FWENC B. Lima dressing up trench between E-16 & E-22 on Burma Road

1630 Post. Calibrate A.S Monitoring Equipment

1700 Site Secured Leave site for the day

11/1/00

11-2-00 Millville Site DO65

0630 Arrive on-site
Weather: Partly Cloudy Skies, with some sunshine
Temp: 40°
Daily Briefing was held by Josh @ 0620
Calibrate Air Monitoring Equipment
#HAZCO11902 TVA-1000 FID with 100 ppm CH4
Bkgd 0.58 ppm
#HAZCO 11049 CGI passport LEL - 35%, O2 - 19.0%
CO - 100 ppm H2S - 25 ppm

0700 At S-2 Photo #1 & 2 Show Chamber
0705 At AV-3 Photo #3 Show Chamber
Photo #4 Show Soil Sample Location at
AV-3

0730 Soil Sample Collected #NAVSTA-CS-VAV3-01
0930 Soil Sample was Collected from (S-2)
Chamber # S-2
Photo #5 Shows the Sample Location
below the Floor of the Chamber
FID - Bkgd - 0.58 ppm #NAVSTA-CS-VS2-01
1250 Trench Box was moved from open Excavation
near Bldg. 73, Noticed Excavator Hammer
1325 Leaking Hydraulic Oil, Josh/Carl was informed
about Leak on hammer, Leak was patched
up with a absorbent Pad, this may contain
the leak.
1600 Leave site 11/2/00