

START

9613490.000245387

W0204-QES



CERTIFICATE OF ANALYSIS

Westinghouse Hanford Company  
P.O. Box 1970  
Richland, Washington 99352

October 18, 1994

Attention: J. A. Lerch



Project number	:	550.07
Date Received by Lab	:	September 9, 1994
Number of Samples	:	One (1)
Sample Type	:	Water
SDG Number	:	W0204
Data Deliverable	:	Standalone

RECORD COPY

I. Introduction

On September 9, 1994, one (1) water sample was received by Quanterra, Richland and transferred to Quanterra, St. Louis for chemical analysis. Upon receipt, the sample was given the following laboratory ID number to correspond with the specific client ID' :

<u>St Louis ID</u>	<u>WHC ID</u>	<u>Richland ID</u>	<u>Matrix</u>	<u>Date of Receipt</u>
6057-001	B0CSQ6	40915701	Water	09/09/94

II. Analytical Results/ Methodology

The analytical results for this report are presented by analytical test. Each set of data includes sample identification information, analytical results and the appropriate detection limits.

Analyses requested: Total Petroleum Hydrocarbon by EPA method 8015. Oil and Grease by EPA method 9070.

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### III. Quality Control

A Laboratory Control Sample and Method Blank were analyzed with each preparation batch. Matrix Spike and Matrix Spike Duplicate or Sample Duplicate analyses were performed per the protocol for this SDG.

### IV. Definitions

The following codes are used to denote laboratory quality control samples and can be found in the data summary section of this report:

QCBLK- Quality Control Blank, Method Blank  
QCLCS- Quality Control Laboratory Control Sample, Blank Spike

### V. Comments

Relative Percent Difference for Oil and Grease could not be calculated because sample concentrations were below the detection limits.

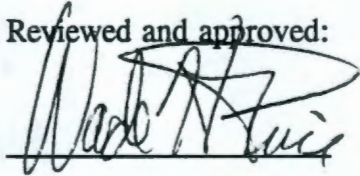
The sample was divided into two 1000 ml aliquots from a 2.5 L bottle for sample and duplicate analysis for Oil and Grease. This action is contrary to protocol but was done with client approval.

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I certify that this data package is in compliance with the terms and conditions of the contract both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or a designee, as verified by the following signature.

Reviewed and approved:



Wade H. Price  
Project Manager  
z:\abbydave\hanw0204.nar

9613490.0845

1D  
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOCSQ6

Lab Name: ITAS-St. Louis

Contract: 550.07

Lab Code: ITSL Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: W0204

Matrix : (soil/water) WATER

Lab Sample ID: 6057-001

Sample wt/vol: 1000 (g/ml) ML

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Sampled: 09-09-94

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_

Date Extracted: 09-16-94

Extraction: (SepF/Cont/Sonc/Shak) SEPF

Date Analyzed: 09-30-94

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/L

Q

CAS NO.	Compound	CONCENTRATION UNITS: (mg/L or mg/Kg) <u>mg/L</u>	Q
	<u>DIESEL</u>	<u>0.5</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

9613490.0846

Bechtel Hanford Company  
P.O. Box 1970  
Richland, WA 99352

Project: 550.07

Category: OIL & GREASE  
Method: EPA 9070  
Matrix: Water

Sample Date : 09/09/94  
Receipt Date : 09/09/94  
Report Date : 10/12/94

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil
BOCSQ6	6057-001	Oil & Grease	10-30-0	QCBLK45792-1	09/15/94	09/15/94	1.00	MG/L	U	1.00	1
BOCSQ6	6057-001DUP	Oil & Grease	10-30-0	QCBLK45792-1	09/15/94	09/15/94	1.00	MG/L	U	1.00	1
NA	QCBLK45792-1	Oil & Grease	10-30-0	QCBLK45792-1	09/15/94	09/15/94	1.00	MG/L	U	1.00	1
NA	QCCLS45792-1	Oil & Grease	10-30-0	QCBLK45792-1	09/15/94	09/15/94	97	%REC			1

0015

Package ID: W0204

GAS CHROMATOGRAPHY DATA VERIFICATION CHECKLIST - FORM A-4  
(SW-846 METHODS, EX. 8015-M, 8080 ETC.)

<u>Data Package Item</u>	<u>Present?:</u>	<u>Yes</u>	<u>No</u>	<u>N/A</u>
<b>QC Summary</b>				
Surrogate Recovery	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25
MS/MSD Recovery	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	26-27
Method Blank Summary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	28
<b>Sample Data</b>				
Sample Results	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	37-39
Chromatograms for all samples/extracts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	↓
Quantitation sheets for all samples/extracts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	↓
<b>Standards Data</b>				
Initial Calibration standard concentrations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	41-77
Initial Calibration summary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	↓
Chromatograms for all initial cal. standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Quantitation sheets for all initial cal. standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuing Calibration standard concentrations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuing Calibration summary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Chromatograms for all continuing cal. standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Quantitation sheets for all continuing cal. standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Calibration Standard Concentrations (Dilution Log)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	↓
<b>Raw QC Data</b>				
<b>Blanks</b>				
Laboratory Blank results	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	79-82
Chromatograms for all laboratory blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	↓
Quantitation reports for all laboratory blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	↓
<b>Matrix Spike/Matrix Spike Duplicates</b>				
MS/MSD Results	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	84-94
Chromatograms for all MS/MSDs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	↓
Quantitation reports for all MS/MSDs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	↓
<b>Additional Data</b>				
Moisture/ % Solids data sheets	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Sample preparation sheets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	102-110

Examples of GC Other Methods: 8010, 8020, 8015-M, 601, 602, TPH-G, TPH-D

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Package ID: W0204

**GENERAL CHEMISTRY DATA VERIFICATION CHECKLIST - FORM A-7**

Colorimetric (Note: Identify by Name, analyte and EPA Method) 9070

Oil & Grease

	YES	NO	N/A	
<b>Sample Results</b>				
Initial Calibration Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	123
Continuing Calibration Verification	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	↓
Calibration Standard Concentrations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Blank Analysis Data or Summary Report Forms	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Duplicate Sample Analysis Report Forms	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Spike Sample Recovery Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Laboratory Control Sample Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw Data				
Analytical Sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Laboratory Bench Sheets	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Chart Recorder Printouts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Additional Data</b>				
Moisture/ % Solids data sheets	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	125
Sample preparation sheets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Colorimetric (Note: Identify by Name, analyte and EPA Method) \_\_\_\_\_

<b>Sample Results</b>			
Initial Calibration Data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuing Calibration Verification	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calibration Standard Concentrations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Blank Analysis Data or Summary Report Forms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Duplicate Sample Analysis Report Forms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spike Sample Recovery Data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Laboratory Control Sample Data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Raw Data			
Analytical Sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Laboratory Bench Sheets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chart Recorder Printouts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Additional Data</b>			
Moisture/ % Solids data sheets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample preparation sheets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Quanterra September 13, 1994 08:36 am  
 Account: 10722 Project: 550.07 Quanterra-Richland QAS No. 690 Rev. 0  
 Master Sample Login: 6057

Project Manager: W. Price

Draft: Final

Entered and Reviewed by: *[Signature]*

PM Review: *[Signature]*

Sample Header Template:

Sample No.	Client ID	C-Matrix	Date: Collected	Received	Due	Shipper	Rad Category	Rad Sample No.
Comments								
# Container Type		Analysis	Class	Preservative	Anal. Due Date	Hold Date Site		(Container Numbers:% Filled)
Data:								
6057-001	BOCSQ6	Water	09-SEP-94 10:30	09-SEP-94 13:45	14-OCT-94	FED-EX	1	Screening not Required
QUANTERRA RICHLAND ID=40915701; O & G-Take Dup from same bottle as sample per client request.								
1 AN - Amber Glass-2.5L		OG/9070/Q4	S H2SO4	07-OCT-94	07-OCT-94	R10B		(97076:99)
1		TPH/8015/Q4	S H2SO4	07-OCT-94	16-SEP-94	R10B		(97075:100)
6057-001DUP	BOCSQ6	Water	09-SEP-94 10:30	09-SEP-94 13:45	14-OCT-94	FED-EX	1	Screening not Required
QUANTERRA RICHLAND ID=40915701; O & G-Take Dup from same bottle as sample per client request.								
1 AN - Amber Glass-2.5L		OG/9070/Q4	S H2SO4	07-OCT-94	07-OCT-94	R10B		(97076:99)
6057-001MS	BOCSQ6	Water	09-SEP-94 10:30	09-SEP-94 13:45	14-OCT-94	FED-EX	1	Screening not Required
QUANTERRA RICHLAND ID=40915701								
1 AN - Amber Glass-2.5L		TPH/8015/Q4	S H2SO4	07-OCT-94	16-SEP-94	R10B		(97075:100)
6057-001MSD	BOCSQ6	Water	09-SEP-94 10:30	09-SEP-94 13:45	14-OCT-94	FED-EX	1	Screening not Required
QUANTERRA RICHLAND ID=40915701								
1 AN - Amber Glass-2.5L		TPH/8015/Q4	S H2SO4	07-OCT-94	16-SEP-94	R10B		(97075:100)

60000

\*=Sample has not been rad screened.



C.U.R. and C.O.C.

COPIED TO: DK/WF

DATE: 9-10-94

TIME: 445

BY: Dum

Work Order No.: 6057

**Condition Upon Receipt Variance Report**  
**ITAS - St. Louis Laboratory**

Client: Quon... ..

Date: 9-10-94

Project No: 5...

Initiated by: George W Byrd

Analysis Requested: Refer to RFA/COC

RFA/COC Numbers: 481861

Client Sample Numbers Affected: Estim Logis

Condition/Variance (Check all that apply): Circle Number to Denote that Item was Evaluated. "NA" = "Not Applicable".

<input checked="" type="checkbox"/> 1	NA Not enough sample received for proper analysis. Received approximately: _____	<input checked="" type="checkbox"/> 8	<input type="checkbox"/> Custody tags disturbed/broken/missing.
<input type="checkbox"/> 2	<input type="checkbox"/> Sample received broken/leaking.	9.	NA Sample splits performed by lab.
<input checked="" type="checkbox"/> 3	<input type="checkbox"/> Sample received without proper preservative. <input type="checkbox"/> Cooler temperature not within 4°C ± 2°C Record temperature: <u>30</u>	10.	NA Volatile sample received with approximately _____ mm headspace.
	<input type="checkbox"/> pH _____	<input checked="" type="checkbox"/> 11	<input type="checkbox"/> Sample ID on container does not match sample ID on paperwork. Explain: _____
	<input type="checkbox"/> other: _____		
<input checked="" type="checkbox"/> 4	<input type="checkbox"/> Sample received in improper container.	<input checked="" type="checkbox"/> 12.	<input type="checkbox"/> All coolers on airbill not received with shipment.
<input checked="" type="checkbox"/> 5	<input type="checkbox"/> Sample received without proper paperwork. Explain: _____	13.	<input type="checkbox"/> Other (explain below): <u>Shipping containers not red surveyed.</u>
<input checked="" type="checkbox"/> 6	<input type="checkbox"/> Paperwork received without sample.		
<input checked="" type="checkbox"/> 7	<input type="checkbox"/> No sample ID on sample container.		

Notes: \_\_\_\_\_

**Corrective Action:**

Client's Name: \_\_\_\_\_ Informed verbally on: \_\_\_\_\_ By: \_\_\_\_\_

Client's Name: \_\_\_\_\_ Informed in writing on: \_\_\_\_\_ By: \_\_\_\_\_

Sample(s) processed "as is". Comments: \_\_\_\_\_

Sample(s) on hold until: \_\_\_\_\_ If released, notify: \_\_\_\_\_

Sample Control Supervisor Review: (or designate) \_\_\_\_\_ Date: \_\_\_\_\_

Project Management Review: \_\_\_\_\_ Date: \_\_\_\_\_

TEMP CUR # 1165



### ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD\*

Reference Document No. 481861  
Page 1 of 1

Project Name/No. <sup>1</sup> B94-006  
 Sample Team Members <sup>2</sup>  
 Profit Center No. <sup>3</sup> 4632  
 Project Manager <sup>4</sup> Van Petley  
 Purchase Order No. <sup>6</sup>  
 Required Report Date <sup>11</sup>

Samples Shipment Date <sup>7</sup> 9/9/94  
 Lab Destination <sup>8</sup> St Louis  
 Lab Contact <sup>9</sup>  
 Project Contact/Phone <sup>12</sup>  
 Carrier/Waybill No. <sup>13</sup>

Bill to: <sup>5</sup> Quanterra Richmond  
 Report to: <sup>10</sup> Quanterra Richmond

#### ONE CONTAINER PER LINE

Sample Number <sup>14</sup>	Sample Description/Type <sup>15</sup>	Date/Time Collected <sup>16</sup>	Container Type <sup>17</sup>	Sample Volume <sup>18</sup>	Pre-servative <sup>19</sup>	Requested Testing Program <sup>20</sup>	Condition on Receipt <sup>21</sup>	Disposal Record No. <sup>22</sup>
40915701A	BOWSP / H <sub>2</sub> O	090994 10:00 See WHC	AG LOCSAR	2.5L	H <sub>2</sub> SO <sub>4</sub> 4C	TPH Diesel See WHC LOCSAR	PH 100 % Fill 100	
1 B	1	" "	" "	" "	" "	Oil + Grease	100	
<del>9/9/94</del>								
<del>FOR LAB USE ONLY</del>								
<del>FOR LAB USE ONLY</del>								

Special Instructions: <sup>23</sup>

Possible Hazard Identification: <sup>24</sup>  
 Non-hazard  Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal: <sup>25</sup>  
 Return to Client  Disposal by Lab  Archive \_\_\_\_\_ (mos.)

Turnaround Time Required: <sup>26</sup>  
 Normal  Rush

QC Level: <sup>27</sup>  
 I.  II.  III.  Project Specific (specify): SDG W0204

1. Relinquished by <sup>28</sup> (Signature/Affiliation) <i>George W Byrd</i>	Date: 9/9/94 Time: 1600	1. Received by <sup>28</sup> (Signature/Affiliation) <i>George W Byrd</i>	Date: 9-10-94 Time: 0845
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: <sup>29</sup>

00011

White: To accompany samples / Yellow: Field copy

\* See back of form for special instructions.

*BOC7T8, BOC7T9 are Cat. II.*

*BOC7W1, BOC7W0 are Cat. III. Others are Cat. I. JRN 9 Sept 94*

Customer Code	Received Date	Screening Prep Date	Count Date	Mnts. Cntd	BACKGROUND		
WHC	9/9/94	9/9	9/9	10	Alpha	Beta	Mnts
WHC					14	203	120

240.00

Customer ID	pH <2	Residue Wght	Vol. Anal.	Sample Size	SMPL CNT DATA			Net Sample		DPM / Aliquot		uCi per Sample		2 Sigma Error		pCi/(Gm or L)		Category 1	Allquot to Cal 1	
					Hidr Num.	Total Alpha	Counts Beta	Counts/Minute Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta		Yes/No	Alpha
BOC7T8	SOLID	98.5	99	1500.0	94	11	61	0.98	4.41	7.3	10.5	5.0E-02	7.1E-02	3.7E-05	2.5E-05	3.3E+01	4.8E+01	No	3.0E+02	2.1E+03
BOC7V1	SOLID	92.4	92	180.0	90	6	57	0.48	4.01	3.4	9.7	3.0E-03	8.8E-03	3.1E-06	3.0E-06	1.7E+01	4.8E+01	Yes	6.0E+02	2.1E+03
BOC7V2	SOLID	98.1	98	180.0	19	4	24	0.28	0.71	2.1	1.6	1.8E-03	1.3E-03	2.3E-06	9.0E-07	9.9E+00	7.4E+00	Yes	1.0E+03	1.3E+04
BOC7T9	SOLID	82.0	82	1500.0	95	15	63	1.38	4.61	9.4	10.4	7.8E-02	8.8E-02	5.0E-05	3.3E-05	5.2E+01	5.7E+01	No	1.9E+02	1.8E+03
BOC7W1	SOLID	80.1	80	1500.0	33	75	337	7.38	32.01	49.4	73.5	4.2E-01	8.2E-01	1.4E-04	1.3E-04	2.8E+02	4.1E+02	No	3.6E+01	2.4E+02
BOC7T7	SOLID	99.2	99	1500.0	23	0	39	-0.12	2.21	-1.0	5.7	-6.7E-03	3.9E-02	-1.2E-05	9.5E-05	-4.5E+00	2.6E+01	Yes	-2.2E+03	3.9E+03
BOC7T8	SOLID	95.8	98	1500.0	24	2	34	0.08	1.71	5.57E-01	4.25E+00	3.9E-03	3.0E-02	1.0E-05	1.1E-04	2.8E+00	2.0E+01	Yes	3.8E+03	5.0E+03
BOC7W0	SOLID	94.0	94	1500.0	14	84	322	6.28	30.51	6.05E+01	7.08E+01	4.3E-01	5.1E-01	1.4E-04	8.8E-05	2.9E+02	3.4E+02	No	3.5E+01	2.9E+02
BOC7V3	SOLID	97.7	98	180.0	16	1	17	-0.02	0.01	-1.3E-01	3.29E-02	-1.1E-04	2.7E-05	-5.2E-07	3.4E-06	-5.8E-01	1.5E-01	Yes	-1.7E+04	6.6E+05
BOCSQ8	LIQUID	4.0	10	1.0	30	10	124	0.88	10.71	2.92E+00	2.25E+01	1.3E-04	1.0E-03	1.1E-07	1.8E-08	1.3E+02	1.0E+03	Yes	7.6E+01	9.9E+01
TOTAL uCi												9.8E-01	1.4E+00							

9613490.0852

96134990:0853

Surveyed: Yes  No  ? Less than 200 counts/minute: Yes  No  ? By (initials) Q

Pacific Northwest Laboratories  
Bastille Boulevard  
Richland, Washington 99352

### CHAIN OF CUSTODY

Test User ID: NA  
C-of-C: ~~62002~~ 62020  
98.8/24/94

Company Contact: \_\_\_\_\_ Telephone: \_\_\_\_\_

Samples Collected by: MARSCHMAN - HARVISED Date: 9-9-94 Time: 1030

ID/Sample No.: BOCS Q6

Ice Chest No.: \_\_\_\_\_ Field Logbook Page No.: \_\_\_\_\_

Remarks: ER-Bechtel Samples SAF # B94-006

Possible Sample Hazard Identification: \_\_\_\_\_ Contract No.: 239000

Destination: Quanterra Carrier/Waybill No.: \_\_\_\_\_  
Ground-Water  Soil \_\_\_\_\_ Other \_\_\_\_\_

Shipping container internal temperature when samples sealed in it \_\_\_\_\_ when opened in laboratory \_\_\_\_\_

Sample Identification 40915701

- BOCS Q6:
- TPH-Diesel Range - 2.5 Liter aG w/H<sub>2</sub>SO<sub>4</sub> A
- BOCS Q6:
- Oil & Grease - 2.5 Liter aG w/H<sub>2</sub>SO<sub>4</sub> B

SDG W0204

[Signature]  
Chain of Possession  
[Signature]

[Signature] PNL  
Relinquished by:

[Signature]  
Received by:

9-9-94 1345  
Date/Time:

Relinquished by:

Received by:

Date/Time:

Relinquished by:

Received by:

Date/Time:

Relinquished by:

Received by:

Date/Time:

Disposed by:

Disposal Method:

Date/Time:

00013

9613490.0854



Regional Office  
2800 George Washington Way  
Richland, Washington 99352

### SAMPLE CHECK-IN LIST

(1 Per Shipping Container)

Date/Time Received 9-9-94 13:45 Client Name WHC

Project/Client # B94-006 Batch or Case # \_\_\_\_\_

Cooler ID (if noted on the outside of cooler) NO COOLER

1. Condition of shipping container? CARD BOARD BOX

2. Custody Seals on cooler intact? Yes  No

3. Custody Seals dated and signed? Yes  No

4. Chain of Custody record is taped on inside of cooler lid? Yes  No

5. Vermiculite/packing material is: Wet  Dry

6. Each sample is in a plastic bag? Yes  No

7. Number of sample containers in cooler: 3

8. Samples have:  tape \_\_\_\_\_ hazard labels

custody seals \_\_\_\_\_ appropriate sample labels

9. Samples are:  in good condition \_\_\_\_\_ leaking

\_\_\_\_\_ broken \_\_\_\_\_ have air bubbles

\_\_\_\_\_ other

10. Coolant present? Yes  No

Sample temperature Room Temp

11. The following paperwork should be accounted for (N/A if not applicable):

Chain of Custody #(s) ~~DATA SHEET~~ 62020

Request for analysis #(s) N/A

Airbill # \_\_\_\_\_ Carrier \_\_\_\_\_

12. Have any anomalies been identified above? Yes  No

13. Memos have been initiated for all anomalies identified above? Yes

Printed Name/Signature Karen Stuttenberg Date/Time 9-9-94  
KAREN Stuttenberg 13:45

FORM NO. LS-042, Rev.0, 2/94

SAMPLE RECEIPT VARIANCE REPORT  
ITAS-RICHLAND LABORATORY

WORK ORDER NUMBER: 409157 DATE INITIATED: 9-9-94

INITIATED BY: Karen Achtelberg

DATE/TIME OF SAMPLE (AND/OR RFA & COC) RECEIPT: \_\_\_\_\_

CLIENT SAMPLE NUMBER	RFA/COC NUMBERS	ANALYSIS REQUESTED
<u>BOCS 96</u>		

Samples were received with the following deficiencies:

- 1. Not enough sample received for proper analysis.
- 2. Sample received without proper preservative.
- 3. No sample received in container.
- 4. Sample received without a RFA/COC form.
- 5. No sample ID on container.
- 6. Sample received broken or leaking.
- 7. Holding time exceeded at receipt.
- 8. Custody tape broken.
- 9. COC not relinquished by client.
- 10. Sample information on container does not match sample information on the paper work (Explain below).
- 11. All shipping containers (coolers) on waybill not received with shipment.
  - RFA/COC received
  - RFA/COC not received
- 12. Other (Explain below).

NOTES: Rain Temp, no cooler,

SUPERVISOR REVIEW: \_\_\_\_\_

PROJECT MANAGER REVIEW: \_\_\_\_\_

TELEPHONED TO: \_\_\_\_\_ ON \_\_\_\_\_ BY \_\_\_\_\_

TELEFAXED TO: \_\_\_\_\_ ON \_\_\_\_\_ BY \_\_\_\_\_

SIGNED ORIGINAL MUST BE RETAINED IN WORK ORDER FILE