BEACON ENVIRONMENTAL SERVICES, INC.

323 Williams Street • Suite D • Bel Air, MD 21014
410-838-8780 • *fax:* 410-838-8740 • www.emflux.com

JUL 2005 RECEIVED

July 14, 2005

Mr. Stephen Trent
Fluor Hanford, Inc.
1200 Jadwin Avenue
Richland, WA 99352

Subj: Sample Delivery Groups BEACON0002 and BEACON0003
EMFLUX Passive Soil-Gas Survey Data Report
200-PW-1 Operable Unit Soil Gas Sampling and Analysis
Contract No. 26796

Dear Mr. Trent:

Enclosed is the data report from the analyses of the samples from the subject project, which were submitted to BEACON on June 8, 2005 (BEACON0002) and July 8, 2005 (BEACON0003). Please contact me if you have any questions or comments concerning the enclosures. An electronic data deliverable was previously submitted electronically.

Thank you for the opportunity to provide services to Fluor Hanford. We look forward to continuing to support you on this project. If I can be of any further assistance, please do not hesitate to call.

Sincerely,

BEACON Environmental Services, Inc.

Steve Thornley
Laboratory Director

RECEIVED SEP 21 2005 EDMC

Encl(s)

Invoice

BEACON ENVIRONMENTAL SERVICES, INC.
323 Williams Street • Suite D • Bel Air, MD 21014
410-838-8780 • *fax:* 410-838-8740 • www.emflux.com

DATE	INVOICE NO.
7/14/2005	050714-02

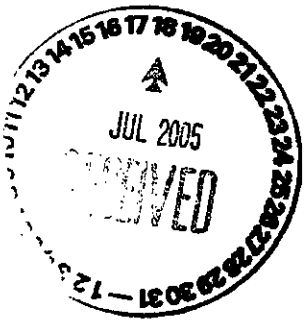
Please remit payment to:

Fluor Hanford
Attn: Accounts Payable Mail Stop: G1-80
PO Box 1000
Richland WA 99352

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014
Federal ID No. 52-2143477

PROJECT NO.		PROJECT NAME	P.O./CONTRACT NO.		TERMS
EM1770		Passive Soil-Gas Survey	26796		Net 30
ITEM	CODE	DESCRIPTION	QTY	RATE	AMOUNT
01	010	Passive Soil-Gas Sampling Task No. 3 Passive Soil-Gas Survey Sampling Task No. 3 200-PW-1 Operable Unit Groundwater Protection Program Richland, WA Management and Integration Contract DE-AC06-96RL13200 Technical Representative: Mr. Stephen Trent BEACON Representative Mr. Harry O'Neill 410-838-8780 x113	1	21,060.00	21,060.00

COPY



Interest will be charged at the rate of 1.5% per month on any past due balance.
Thank you for your business. Please call if you have any questions.

Total **$21,060.00**

BEACON Report No. EM1770 Task 3

PASSIVE SOIL VAPOR SAMPLING AND ANALYSIS
SAMPLING TASK NO. 3
200-PW-1 OPERABLE UNIT

GROUNDWATER PROTECTION PROJECT
RICHLAND, WA

Management and Integration Contract
DE-AC06-96RL13200

Prepared for

Fluor Hanford
1200 Jadwin Avenue
Richland, WA 99352

by

Beacon Environmental Services, Inc.
323 Williams Street
Suite D
Bel Air, MD 21014

July 14, 2005

Applying Results from Soil-Gas Surveys

The utility of soil-gas surveys is directly proportional to their accuracy in reflecting and representing changes in the subsurface concentrations of source compounds. Passive soil-gas survey results are the mass collected from the vapor-phase emanating from the source. The vapor-phase is merely a fractional trace of the source, so, as a matter of convenience, the units used in reporting detection values from passive soil-gas surveys are smaller than those employed for source-compound concentrations.

The critical fact is that, whatever the relative concentrations of source and associated soil gas, best results are realized when the ratio of soil-gas measurements to actual subsurface concentrations remains as close to constant as the real world permits. It is the reliability and consistency of this ratio, not the particular units of mass (*e.g.*, nanograms) that determine usefulness. Thus, BEACON emphasizes the necessity of conducting — at minimum — follow-on intrusive sampling at one or two points that show relatively high soil-gas measurements to obtain corresponding concentrations of soil and groundwater contaminants. These correspondent values furnish the basis for approximating the required ratio. Once that ratio is established, it can be used in conjunction with the soil-gas measurements (regardless of the units adopted) to estimate subsurface contaminant concentrations across the survey field. It is important to keep in mind, however, that specific conditions at individual sample points, including soil porosity and permeability, depth to contamination, and perched ground water, can have significant impact on soil-gas measurements at those locations.

When passive soil-gas surveys are handled in this way, the data provide information that can yield substantial savings in drilling costs and in time. They furnish, among other things, a checklist of compounds expected at each survey location and help to determine how and where drilling budgets can most effectively be spent.

~~1000000~~

0000001 Dayes 7/19/05

BEACON Report Number: EM1770 Task 1

Passive Soil-Gas Survey
200-PW-1 Operable Unit
Hanford, WA

This Passive Soil-Gas Survey Report has been prepared for Fluor Hanford, Inc. (FLUOR HANFORD) by Beacon Environmental Services, Inc. (BEACON) in accordance with the terms of Management and Integration Contract DE-AC06-96RL13200. BEACON's principal technical contacts at FLUOR HANFORD for this project have been Mr. Steve Trent and Mr. Philip Gent. Passive soil-gas samples were collected following the protocols of the EMFLUX® Passive Soil-Gas Sampling System.

1. Objectives

Soil-gas samples were collected to screen the 218-W-3A Burial Ground, T-Plant, and 216 Z-Trench sites for the presence of targeted compounds in the gas phase. Results will be used to profile contamination in soil and/or ground water at the site, thereby determining the distribution and relative strength of detected contaminants.

2. Target Compounds

This survey targeted the 16 compounds listed in **Table 1**, which supplies the resulting laboratory data in nanograms (ng) of specific compound per cartridge.

3. Survey Description

• No. of Field Sample Points:	109
• No. of Duplicate Field Samples:	5
• No. of Trip Blanks:	6
• Total No. of Samples:	120

4. Field Work

FLUOR HANFORD was provided a Field Kit with the equipment needed to conduct a 116-point passive soil-gas survey. Samplers for 216 Z-Trench and T-Plant sites were deployed on May 26, 2005, and were retrieved on June 1, 2005. Samplers for 218-W-3A Burial Ground were deployed on June 30, 2005, and were retrieved on July 5, 2005. **Attachment 1** describes the field procedures used. Individual deployment and retrieval times will be found in the Field Deployment Report (**Attachment 2**).

5. Analysis and Reporting Dates

- BEACON's laboratory received 95 samples from the 216 Z-Trench and T-Plant sites for analysis on June 8, 2005. BEACON's laboratory completed the analyses on June 11, 2005. Following a laboratory review, results were provided to FLUOR HANFORD on June 14, 2005.

- BEACON's laboratory received 25 samples from the 218-W-3A Burial Ground site for analysis on July 8, 2005. BEACON's laboratory completed the analyses on July 13, 2005.

- Adsorbent cartridges from the passive samplers were thermally desorbed, then analyzed using gas chromatography/mass spectrometry (GC/MS) equipment, in accordance with EPA Method 8260B (Modified), as described in **Attachment 3**. BEACON's laboratory analyzed each cartridge for the targeted compounds.

6. Report Notes and Quality Assurance/Quality Control Factors

- **Table 1** provides survey results in nanograms per cartridge by sample-point number and compound name. The quantitation levels represent values above which quantitative laboratory results can be achieved within specified limits of precision and with a high degree of confidence. The quantitation level for each compound, therefore, provides a reliable basis for comparing the relative strength of any detection of that compound.

- **Data Compatibility.** It is important to note that when sample locations are covered with or near the edge of an artificial surface (*e.g.*, asphalt or concrete), sample measurements are often distorted (increased) significantly. Such distortion can be attributed to the fact that gas rising from sources beneath impermeable caps tends to reach equilibrium underneath the cap. Thus, a reading taken below or near an impermeable surface is much higher than it would be in the absence of such a cap.

- The **Chain-of-Custody** form, which was shipped with the samples for this survey, is supplied as **Attachment 4**.

- **Laboratory QA/QC procedures** included standards, surrogates, and blanks appropriate to EPA Method 8260 (Modified). Field work, analyses, and reporting were done in accordance with BEACON's Quality Assurance Program Plan.

- **QA/QC Contaminant Corrections**. Following EPA guidelines, laboratory data is not corrected for method blank or trip blank sample contamination values; any contamination detected on QA/QC samples is reported in **Table 1**.

- **Laboratory method blanks** are run each day with project samples to identify contamination present in the laboratory. If contamination is detected on a method blank, measurements of identical compounds on samples analyzed the same day are considered to be suspect and are flagged in the laboratory report. The laboratory method blanks analyzed in connection with the present samples revealed no contamination.

- The **trip blank** is a sampling cartridge prepared, transported, and analyzed with other samples but intentionally not exposed. Any target compounds identified on the trip blanks are reported in the laboratory data. The analysis of the trip blanks (labeled Trip-3 through Trip-8 in **Table 1**) reported none of the targeted compounds, indicating that the survey site itself is the source of detected contamination.
  [**Note**: Soil-gas samples were collected previously in support of the Groundwater Protection Project at Hanford. The trip blanks that accompanied those samples were labeled Trip-1 and Trip-2]

- **Survey findings** are relative exclusively to this project and should not routinely be compared with results of other BEACON Surveys. *To establish a relationship between reported soil-gas measurements and actual subsurface contaminant concentrations, which will indicate those detections representing significant subsurface contamination, BEACON recommends the guidelines on the inside front cover of this report.*

- The following **Attachments** are included:

  -1- Field Procedures
  -2- Field Deployment Report
  -3- Laboratory Procedures
  -4- Chain-of-Custody Form

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	Meth_Blk	B1D885 Trip-3	B1D853	B1D854	B1D855	B1D856
Project Number:	EM1770	EM1770	EM1770	EM1770	EM1770	EM1770
Lab File ID:	05060803	05060804	05060805	05060806	05060807	05060808
Received Date:		6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005
Analysis Date:	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005
Analysis Time:	12:24	12:56	13:27	13:58	14:29	15:00
Units:	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap
COMPOUNDS						
Chloroethane	<25	<25	<25	<25	<25	<25
Chloromethane	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
Methylene Chloride	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
1,2-Dichloropropane	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Dibromochloromethane	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25

0000005

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	B1D857	B1D858	B1D859	B1D860	B1D862	B1D863
Project Number:	EM1770	EM1770	EM1770	EM1770	EM1770	EM1770
Lab File ID:	05060809	05060810	05060811	05060812	05060813	05060814
Received Date:	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005
Analysis Date:	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005
Analysis Time:	15:31	16:03	16:34	17:05	17:35	18:06
Units:	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap
COMPOUNDS						
Chloroethane	<25	<25	<25	<25	<25	<25
Chloromethane	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
Methylene Chloride	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	**105**	**35**	**97**	<25	<25
1,2-Dichloropropane	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Dibromochloromethane	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	B1D864	B1D865	B1D867	B1D868	B1D869	B1D870
Project Number:	EM1770	EM1770	EM1770	EM1770	EM1770	EM1770
Lab File ID:	05060815	05060816	05060817	05060818	05060819	05060820
Received Date:	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005
Analysis Date:	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005
Analysis Time:	18:37	19:08	19:40	20:10	20:41	21:12
Units:	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap
COMPOUNDS						
Chloroethane	<25	<25	<25	<25	<25	<25
Chloromethane	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
Methylene Chloride	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	32
1,2-Dichloropropane	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Dibromochloromethane	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25

0 0 0 0 0 0 7

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	B1D871	B1D872	B1D874	Meth_Blk	B1D875	B1D877
Project Number:	EM1770	EM1770	EM1770	EM1770	EM1770	EM1770
Lab File ID:	05060821	05060822	05060823	05060826	05060827	05060828
Received Date:	6/8/2005	6/8/2005	6/8/2005		6/8/2005	6/8/2005
Analysis Date:	6/8/2005	6/8/2005	6/8/2005	6/9/2005	6/9/2005	6/9/2005
Analysis Time:	21:43	22:14	22:45	0:18	0:49	1:20
Units:	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap
COMPOUNDS						
Chloroethane	<25	<25	<25	<25	<25	<25
Chloromethane	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
Methylene Chloride	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	**69**	<25	<25	<25	**60**	<25
1,2-Dichloropropane	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Dibromochloromethane	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25

0000008

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	B1D881	B1D883	B1D884	B1D886 Trip-4	B1D887 Trip-5	B1D861
Project Number:	EM1770	EM1770	EM1770	EM1770	EM1770	EM1770
Lab File ID:	05060829	05060830	05060831	05060832	05060833	05060834
Received Date:	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005
Analysis Date:	6/9/2005	6/9/2005	6/9/2005	6/9/2005	6/9/2005	6/9/2005
Analysis Time:	1:51	2:22	2:53	3:24	3:55	4:26
Units:	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap
COMPOUNDS						
Chloroethane	<25	<25	<25	<25	<25	<25
Chloromethane	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
Methylene Chloride	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	**106**	**68**	<25	<25	<25	<25
1,2-Dichloropropane	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Dibromochloromethane	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	B1D866	B1D873	B1D876	B1D878	B1D879	B1D880
Project Number:	EM1770	EM1770	EM1770	EM1770	EM1770	EM1770
Lab File ID:	05060835	05060836	05060837	05060838	05060839	05060840
Received Date:	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005
Analysis Date:	6/9/2005	6/9/2005	6/9/2005	6/9/2005	6/9/2005	6/9/2005
Analysis Time:	4:57	5:28	5:59	6:30	7:01	7:32
Units:	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap
COMPOUNDS						
Chloroethane	<25	<25	<25	<25	<25	<25
Chloromethane	<25	**101**	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
Methylene Chloride	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	**45**	<25	<25	**32**	<25
1,2-Dichloropropane	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Dibromochloromethane	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25

0000010

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	B1D882	B1D888	B1D889	B1D890	B1D891	B1D892
Project Number:	EM1770	EM1770	EM1770	EM1770	EM1770	EM1770
Lab File ID:	05060841	05060842	05060843	05060844	05060845	05060846
Received Date:	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005
Analysis Date:	6/9/2005	6/9/2005	6/9/2005	6/9/2005	6/9/2005	6/9/2005
Analysis Time:	8:02	8:33	9:04	9:35	10:06	10:37
Units:	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap
COMPOUNDS						
Chloroethane	<25	<25	<25	<25	<25	<25
Chloromethane	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
Methylene Chloride	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	70	<25	67	<25	<25
1,2-Dichloropropane	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Dibromochloromethane	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25

00000 11

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	Meth_Blk	B1D893	B1D894	B1D896	B1D898	B1D899
Project Number:	EM1770	EM1770	EM1770	EM1770	EM1770	EM1770
Lab File ID:	05060849	05060850	05060851	05060852	05060853	05060854
Received Date:		6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005
Analysis Date:	6/9/2005	6/9/2005	6/9/2005	6/9/2005	6/9/2005	6/9/2005
Analysis Time:	13:07	13:38	14:09	14:40	15:11	15:41
Units:	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap
COMPOUNDS						
Chloroethane	<25	<25	<25	<25	<25	<25
Chloromethane	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
Methylene Chloride	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	**155**	<25	<25
1,2-Dichloropropane	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Dibromochloromethane	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	B1D8B1	B1D8B4	B1D8B5	B1D8B7	B1D8B8	B1D8B9
Project Number:	EM1770	EM1770	EM1770	EM1770	EM1770	EM1770
Lab File ID:	05060855	05060856	05060857	05060858	05060859	05060860
Received Date:	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005
Analysis Date:	6/9/2005	6/9/2005	6/9/2005	6/9/2005	6/9/2005	6/9/2005
Analysis Time:	16:12	16:44	17:15	17:46	18:17	18:47
Units:	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap
COMPOUNDS						
Chloroethane	<25	<25	<25	<25	<25	<25
Chloromethane	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
Methylene Chloride	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	**70**	<25	<25	**140**	**41**	**162**
1,2-Dichloropropane	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Dibromochloromethane	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	B1D8C1	B1D8C2	B1D8C3	B1D895	B1D897	B1D8B0
Project Number:	EM1770	EM1770	EM1770	EM1770	EM1770	EM1770
Lab File ID:	05060862	05060863	05060864	05060865	05060866	05060867
Received Date:	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005
Analysis Date:	6/9/2005	6/9/2005	6/9/2005	6/9/2005	6/9/2005	6/9/2005
Analysis Time:	19:49	20:20	20:51	21:22	21:53	22:24
Units:	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap
COMPOUNDS						
Chloroethane	<25	<25	<25	<25	<25	<25
Chloromethane	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
Methylene Chloride	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	**62**	**39**
1,2-Dichloropropane	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Dibromochloromethane	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	B1D8B2	B1D8B3	Meth_Blk	B1D8B6	B1D850 Trip-6	B1D817
Project Number:	EM1770	EM1770	EM1770	EM1770	EM1770	EM1770
Lab File ID:	05060868	05060869	05060872	05060873	05060874	05060875
Received Date:	6/8/2005	6/8/2005		6/8/2005	6/8/2005	6/8/2005
Analysis Date:	6/9/2005	6/9/2005	6/10/2005	6/10/2005	6/10/2005	6/10/2005
Analysis Time:	22:55	23:26	0:59	1:30	2:01	2:32
Units:	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap
COMPOUNDS						
Chloroethane	<25	<25	<25	<25	<25	<25
Chloromethane	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
Methylene Chloride	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	67	<25	<25	<25	<25	<25
1,2-Dichloropropane	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Dibromochloromethane	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	B1D818	B1D819	B1D820	B1D821	B1D822	B1D824
Project Number:	EM1770	EM1770	EM1770	EM1770	EM1770	EM1770
Lab File ID:	05060876	05060877	05060878	05060879	05060880	05060881
Received Date:	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005
Analysis Date:	6/10/2005	6/10/2005	6/10/2005	6/10/2005	6/10/2005	6/10/2005
Analysis Time:	3:03	3:33	4:04	4:35	5:06	5:37
Units:	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap
COMPOUNDS						
Chloroethane	<25	<25	<25	<25	<25	<25
Chloromethane	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
Methylene Chloride	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
1,2-Dichloropropane	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Dibromochloromethane	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	B1D825	B1D833	B1D836	B1D840	B1D843	B1D848
Project Number:	EM1770	EM1770	EM1770	EM1770	EM1770	EM1770
Lab File ID:	05060882	05060883	05060884	05060885	05060886	05060887
Received Date:	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005
Analysis Date:	6/10/2005	6/10/2005	6/10/2005	6/10/2005	6/10/2005	6/10/2005
Analysis Time:	6:08	6:39	7:10	7:41	8:12	8:43
Units:	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap
COMPOUNDS						
Chloroethane	<25	<25	<25	<25	<25	<25
Chloromethane	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
Methylene Chloride	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
1,2-Dichloropropane	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Dibromochloromethane	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25

0000017

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	B1D849 Trip-7	B1D823	B1D826	B1D827	B1D828	Meth_Blk
Project Number:	EM1770	EM1770	EM1770	EM1770	EM1770	EM1770
Lab File ID:	05060888	05060889	05060890	05060891	05060892	05061003
Received Date:	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	
Analysis Date:	6/10/2005	6/10/2005	6/10/2005	6/10/2005	6/10/2005	6/10/2005
Analysis Time:	9:14	9:45	10:16	10:47	11:17	19:56
Units:	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap
COMPOUNDS						
Chloroethane	<25	<25	<25	<25	<25	<25
Chloromethane	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
Methylene Chloride	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
1,2-Dichloropropane	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Dibromochloromethane	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25

0000018

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	B1D8C0	B1D829	B1D830	B1D831	B1D832	B1D834
Project Number:	EM1770	EM1770	EM1770	EM1770	EM1770	EM1770
Lab File ID:	05061004	05061005	05061006	05061007	05061008	05061009
Received Date:	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005
Analysis Date:	6/10/2005	6/10/2005	6/10/2005	6/10/2005	6/10/2005	6/10/2005
Analysis Time:	20:27	20:57	21:28	21:59	22:29	23:00
Units:	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap
COMPOUNDS						
Chloroethane	<25	<25	<25	<25	<25	<25
Chloromethane	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
Methylene Chloride	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	75	<25	<25	<25	<25	<25
1,2-Dichloropropane	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Dibromochloromethane	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25

0000019

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	B1D835	B1D837	B1D838	B1D839	B1D841	B1D842
Project Number:	EM1770	EM1770	EM1770	EM1770	EM1770	EM1770
Lab File ID:	05061010	05061011	05061012	05061013	05061014	05061015
Received Date:	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005
Analysis Date:	6/10/2005	6/11/2005	6/11/2005	6/11/2005	6/11/2005	6/11/2005
Analysis Time:	23:30	0:01	0:32	1:02	1:33	2:04
Units:	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap
COMPOUNDS						
Chloroethane	<25	<25	<25	<25	<25	<25
Chloromethane	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
Methylene Chloride	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
1,2-Dichloropropane	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Dibromochloromethane	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25

0000019-A
PC 7/20/05

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

this sample is BEACON0003 DAyres 7/19/05

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	B1D844	B1D845	B1D846	B1D847	Meth_Blk	B1DDW5
Project Number:	EM1770	EM1770	EM1770	EM1770	EM1770	EM1770
Lab File ID:	05061016	05061017	05061018	05061019	05071206	05071207
Received Date:	6/8/2005	6/8/2005	6/8/2005	6/8/2005		7/8/2005
Analysis Date:	6/11/2005	6/11/2005	6/11/2005	6/11/2005	7/12/2005	7/12/2005
Analysis Time:	2:34	3:05	3:35	4:06	12:20	12:51
Units:	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap
COMPOUNDS						
Chloroethane	<25	<25	<25	<25	<25	<25
Chloromethane	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
Methylene Chloride	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
1,2-Dichloropropane	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Dibromochloromethane	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25

0000020

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Attachments

Attachment 1

FIELD PROCEDURES FOR PASSIVE SOIL-GAS SURVEYS

The following field procedures are routinely used during a BEACON Passive Soil-Gas Survey. Modifications can be and are incorporated from time to time in response to individual project requirements. In all instances, BEACON adheres to EPA-approved Quality Assurance and Quality Control practices.

A. Field personnel carry system components and support equipment to the site and deploy the passive samplers in a prearranged survey pattern. A passive sampler consists of a glass vial containing hydrophobic adsorbent cartridges with a length of wire attached to the vial for retrieval. Although samplers require only one person for emplacement and retrieval, the specific number of field personnel required depends upon the scope and schedule of the project. Each Sampler emplacement generally takes less than two minutes.

B. For those sample locations covered with soils or vegetation, a field technician clears vegetation and debris exposing the ground surface. Using a hammer and a ¾"-diameter pointed metal stake, the technician creates a hole approximately three inches deep. For those locations covered with an asphalt or concrete cap, the field technician drills a 1½"-diameter hole through the cap to the soils beneath. (If necessary, the sampler can be sleeved with a ¾" i.d. copper pipe for either capped or uncapped locations).

C. The technician then removes the solid plastic cap from a sampler and replaces it with a Sampling Cap (a plastic cap with a hole covered by screen meshing). The technician inserts the sampler, with the Sampling Cap end facing down, into the hole (see **attached figure**). The sampler is then covered with either local soils for uncapped locations or, for capped locations, aluminum foil and a concrete patch. The sampler's location, time and date of emplacement, and other relevant information are recorded on the Field Deployment Form.

D. One or more trip blanks are included as part of the quality-control procedures.

E. Once all the passive samplers have been deployed, field personnel schedule sampler recovery and depart, taking all other equipment and materials with them.

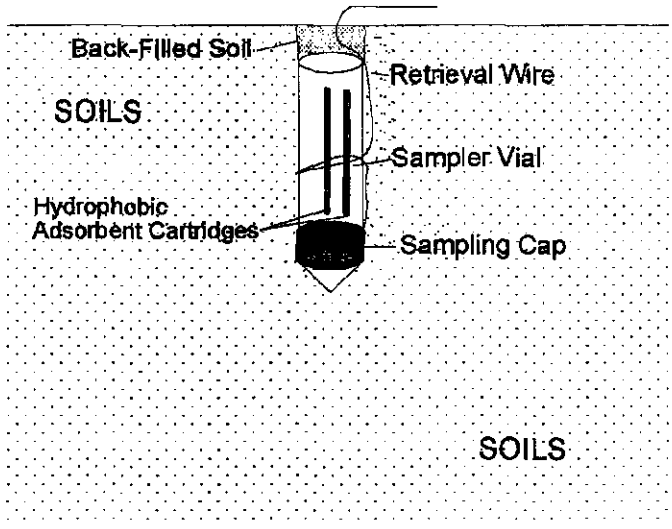
F. Field personnel retrieve the samplers at the end of the exposure period. At each location, a field technician withdraws the sampler from its hole, removes the retrieval wire, and wipes the outside of the vial clean using gauze cloth; following removal of the Sampling Cap, the threads of the vial are also cleaned. A solid plastic cap is screwed onto the vial and the sample location number is written on the label. The technician then records sample-point location, date, time, etc. on the Field Deployment Form.

G. Sampling holes are refilled with soil, sand, or other suitable material. If Samplers have been installed through asphalt or concrete, the hole is filled to grade with a plug of cold patch or cement.

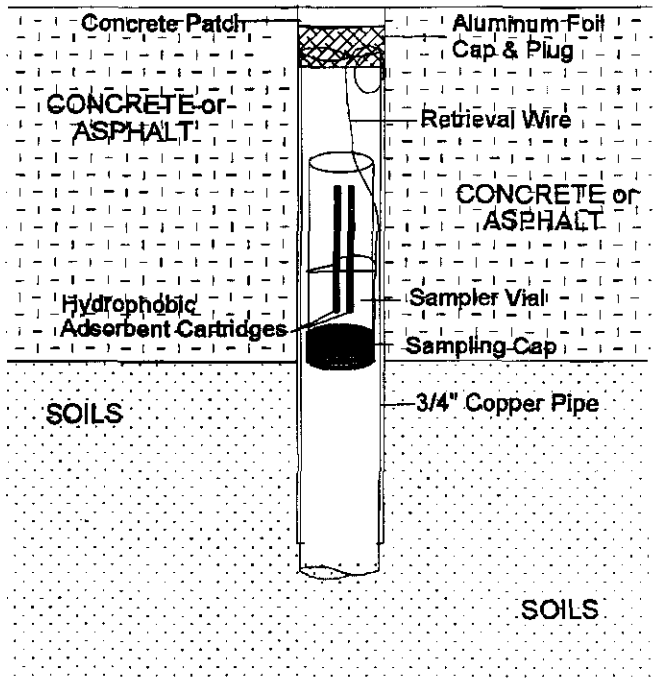
H. Following retrieval, field personnel ship or carry the passive samplers to BEACON's laboratory.

BEACON PASSIVE SAMPLER

DEPLOYMENT THROUGH SOILS



DEPLOYMENT THROUGH AN ASPHALT/CONCRETE CAP



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Attachment 2

Field Deployment Reports

PASSIVE SOIL-GAS SURVEY
FIELD DEPLOYMENT REPORT

Project Information	
Beacon Project No.:	EM1770 Task 3
Site Name:	216-Z-Trench
Site Location:	200-PW-1 OU, Hanford, WA

BEACON ENVIRONMENTAL SERVICES, INC.

323 Williams Street, Suite D, Bel Air, MD 21014, 800-878-5510

Client Information	
Company Name:	Fluor Hanford, Inc.
Office Location:	Richland, WA
Samples Collected By:	

FIELD SAMPLE ID	Date Emplaced / Time Emplaced	Date Retrieved / Time Retrieved	FIELD NOTES (e.g., asphalt/concrete covering, description of sample location, sampling hole depth, cartridge/vial condition)
	26MAY05	01JUN05	
1	1347	1258	BID853
~~2~~	~~1350~~	~~1320~~	~~BID865~~
3	1351	1319	BID864
4	1412	1301	BID854
5	1353	1317	BID863
6	1546	1342	inside enclosure. BID866
7	1410	1302	BID855
8	1355	1315	BID862
9	1552	1400	inside BID867
10	1406	1304	BID856
11	1357	1313	BID861
12	1545	1410	inside BID868
13	1405	1306	BID857
14	1402	1307	BID858
15	1400	1311	BID860

PASSIVE SOIL-GAS SURVEY
FIELD DEPLOYMENT REPORT

FIELD SAMPLE ID	Date Emplaced / Time Emplaced	Date Retrieved / Time Retrieved	FIELD NOTES (e.g., asphalt/concrete covering, description of sample location, cartridge/vial condition)
	26MAY05	See Email	
16	1419	1418	BID 869
17	1420	1420	BID 870
18	1422	1421	BID 871
19	1427	1424	BID 872
20	1428	1426	BID 873
21	1429	1428	BID 874
22	1431	1429	BID 875
23	1432	1431	BID 876
24	1527	1442	BID 884
* 25	1523	0826	BID 891
* 26	1522	0820	BID 889
27	1434	1432	BID 877
28	1526	1440	BID 883
* 29	1525	0828	BID 892
* 30	1521	0818	BID 888
31	1435	1433	BID 878
32	1506	1439	BID 882
* 33	1509	0830	BID 893

BEACON ENVIRONMENTAL SERVICES, INC.

PASSIVE SOIL-GAS SURVEY
FIELD DEPLOYMENT REPORT

Project Information	
Beacon Project No.:	EM1770 Task 3
Site Name:	216-Z-Trench
Site Location:	200-PW-1 OU, Hanford, WA

BEACON ENVIRONMENTAL SERVICES, INC.

323 Williams Street, Suite D, Bel Air, MD 21014, 800-878-5510

Client Information	
Company Name:	Fluor Hanford, Inc.
Office Location:	Richland, WA
Samples Collected By:	

FIELD SAMPLE ID	Date Emplaced / Time Emplaced	Date Retrieved / Time Retrieved	FIELD NOTES (*e.g.*, asphalt/concrete covering, description of sample location, sampling hole depth, cartridge/vial condition)
	26MAY05	SEE EMAIL	
34	1455	0855	B1D8B7
35	1453	0857	B1D8B8
36	1450	0901	B1D8B9
37	1436	1434	B1D879
38	1504	1438	B1D881
39	1500	0833	B1D894
40	1457	0854	B1D8B6
41	1449	0902	B1D8C0
42	1438	1436	B1D880
43	1440	0847	B1D8B3
44	1441	0835	B1D895
45	1443	0852	B1D8B5
46	1445	0908	B1D8C3
47	1447	0904	B1D8C1
48	1610	0846	B1D8B2

PASSIVE SOIL-GAS SURVEY
FIELD DEPLOYMENT REPORT

FIELD SAMPLE ID	Date Emplaced Time Emplaced	Date Retrieved Time Retrieved	FIELD NOTES (*e.g.*, asphalt/concrete covering, description of sample location, cartridge/vial condition)
* 49	26MAY05 1608	02JUN05 0836	B1D896
* 50	1606	0851	B1D8B4
* 51	1607	0906	B1D8C2
* 52	1611	0844	B1D8B1
* 53	1612	0843	B1D8B0
* 54	1613	0841	B1D899
* 55	1614	0840	B1D898

BEACON ENVIRONMENTAL SERVICES, INC.
333 W. Hillcrest Street, Suite D, Bel Air, MD 21014, 866-975-5510

PASSIVE SOIL-GAS SURVEY
FIELD DEPLOYMENT REPORT

FIELD SAMPLE ID Rcvd 5/27/05	Date Emplaced 27MAY05 Time Emplaced	Date Retrieved SEE EMAIL Time Retrieved	FIELD NOTES (*e.g.*, asphalt/concrete covering, description of sample location, cartridge/vial condition)
Z-14 Duplicate	09:27 5/27/05	1309 BID 859	12" west of lath, ~ 8" west of Z-14 Rcvd 5/27/05
Z-26 Duplicate	09:40 5/27/05	0822 BID 870	12" South of lath and 2x2" post ~ 6" South of Z-26 primary
Z-49 Duplicate	09:45 5/27/05	0838 BID 897	12" East of lath and 2x2" post ~ 8" East of Z-49 primary.

BEACON ENVIRONMENTAL SERVICES, INC.

PASSIVE SOIL-GAS SURVEY
FIELD DEPLOYMENT REPORT

Project Information	
Beacon Project No.:	EM1770 Task 3
Site Name:	T Plant
Site Location:	200-PW-1 OU, Hanford, WA

BEACON ENVIRONMENTAL SERVICES, INC.

323 Williams Street, Suite D, Bel Air, MD 21014, 800-878-5510

Client Information	
Company Name:	Fluor Hanford, Inc.
Office Location:	Richland, WA
Samples Collected By:	

FIELD SAMPLE ID	Date Emplaced / Time Emplaced	Date Retrieved / Time Retrieved	FIELD NOTES (*e.g.*, asphalt/concrete covering, description of sample location, sampling hole depth, cartridge/vial condition)
	26MAY05	01JUN05	
7	1010	1150	BID827
6	1015	1152	BID828
5	1020	1154	BID829
4	1022	1157	BID830
1	1025	1158	BID831
2	1030	1201	BID832
3	1033	1206	BID834
12	1039	1209	BID835
13	1041	1212	BID836
10	1050	1217	BID837
16	1054	1219	BID838
15	1057	1222	BID839
14	1059	1224	BID840
8	1101	1226	BID841
9	1104	1228	BID842

PASSIVE SOIL-GAS SURVEY
FIELD DEPLOYMENT REPORT

FIELD SAMPLE ID	Date Emplaced / Time Emplaced	Date Retrieved / Time Retrieved	FIELD NOTES (e.g., asphalt/concrete covering, description of sample location, cartridge/vial condition)
	26MAY05	01JUN05	
17	1205	1040	asphalt BID 821
11	1213	1047	BID 822
18	1216	1051	BID 823
19	1218	1054	BID 824
~~23~~ 24	1220	1057	BID 825
~~22~~ 23	1225	1100	BID 826
21 ~~22~~	1234	1030	asphalt BID 819
20 ~~21~~	1239	1035	asphalt BID 820
24	1254	0951	asphalt BID 818
25	1316	0943	no marked spot / put into approx location BID 817 by end of Jobsite
26	1328	1233	BID 843
27	1330	1236	BID 844
28	1333	1238	BID 845
29	1335	1242	BID 846
30	1337	1243	BID 847

BEACON ENVIRONMENTAL SERVICES, INC.

PASSIVE SOIL-GAS SURVEY
FIELD DEPLOYMENT REPORT

FIELD SAMPLE ID	Date Emplaced / Time Emplaced	Date Retrieved / Time Retrieved	FIELD NOTES (e.g., asphalt/concrete covering, description of sample location, cartridge/vial condition)
T-28 dup.	27MAY05 09:07 5/27/05	01JUN05 1240 BID846	~ 9" South of T-27 ~ 12" south of Stake. T-2 Duplicate
T-2 duplicate	09:15 5/27/05	1202 BID833	~ 13" South of lath ~6" south of 2x2 T-2 Duplicate □ lath N

BEACON ENVIRONMENTAL SERVICES, INC.
333 Wilkens Street, Suite D, Bel Air, MD 21014, 888-878-4849

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Attachment 3

LABORATORY PROCEDURES FOR PASSIVE SOIL-GAS SAMPLES

Following are laboratory procedures used with BEACON Passive Soil-Gas Surveys, a screening technology for expedited site investigation. After exposure, adsorbent cartridges from the passive samplers are analyzed using U.S. EPA Method 8260B as described in the Solid Waste Manual (SW-846), a capillary gas chromatographic/mass spectrometric method, modified to accommodate high temperature thermal desorption of the adsorbent cartridges. This procedure is summarized as follows:

A. The adsorbent cartridges are loaded with internal standards and surrogates prior to loading the autosampler with the cartridges. The loaded cartridges are purged in a helium flow. Then the cartridges are thermally desorbed in a helium flow onto a focusing trap. Any analytes in the helium stream are adsorbed onto a focusing trap.

B. Following trap focusing, the trap is thermally desorbed onto a DB-VRX 60m, 0.25 mm ID, 1.40 micron film thickness capillary column.

C. The GC/MS is scanned between 35 and 270 Atomic Mass Units (AMU) at 3.12 scans per second.

D. BFB tuning criteria and the initial five-point calibration procedures are those stated in method SW846-8260B. System performance and calibration check criteria are met prior to analysis of samples. A laboratory method blank is analyzed after the daily standard to determine that the system is contaminant-free.

E. The instrumentation used for these analyses includes:

- Agilent 6890-5973 Gas Chromatograph/Mass Spectrometer;
- Markes Unity thermal desorber;
- Markes UltrA autosampler; and
- Markes Mass Flow Controller Module.

Attachment 4

Chain-of-Custody Forms

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-025-010	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 9N	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
Z-9 Trench, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling		F05-025		
ICE CHEST NO. Seal # 00424534	**FIELD LOGBOOK NO.**	**COA** 119152ES20	**METHOD OF SHIPMENT** FEDERAL EXPRESS		
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** 26 PTR 15675		**BILL OF LADING/AIR BILL NO.** 26 PTR 15675		

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C
TYPE OF CONTAINER	EMFLUX Cartridge
NO. OF CONTAINER(S)	1
VOLUME	5g
SAMPLE ANALYSIS	VOA - 8260B (Emflux);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1D853	OTHER SOLID	6/1/05	1258	X
B1D854	OTHER SOLID	6/1/05	1301	X
B1D855	OTHER SOLID	6/1/05	1302	X
B1D856	OTHER SOLID	6/1/05	1304	X
B1D857	OTHER SOLID	6/1/05	1506	X

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT	6/1/05 1600	FRIG FF1	6/1/05 1600
MD-926	6/7/05 0915	M.H. Barnhart	6/7/05 0915
M.H. Barnhart	6/7/05 0915	RLD 8X	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
	Ryan Schrick		6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-025-011	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 9N	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
Z-9 Trench, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling		F05-025		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**COA**	**METHOD OF SHIPMENT**		
Seal # 00424534		119152ES20	FEDERAL EXPRESS		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Beacon Environmental Services	SW PTR 15675		SW PTR 15675		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C																
TYPE OF CONTAINER	EMFLUX Cartridge																
NO. OF CONTAINER(S)	1																
VOLUME	5g																
SAMPLE ANALYSIS	VOA - 8260B (Emflux);																

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME													
B1D858	OTHER SOLID	6/1/05	1307	X												
B1D859	OTHER SOLID	6/1/05	1309	X												
B1D860	OTHER SOLID	6/1/05	1311	X												
B1D861	OTHER SOLID	6/1/05	1313	X												
B1D862	OTHER SOLID	6/1/05	1315	X												

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT/	6/1/05 1600	FRIG #1	6/1/05 1600
M.G. Butcher	6/7/05 0915	M.H. Butcher/M.G. Butcher	6/7/05 0915
M.H. Butcher/M.G. Butcher	6/7/05 0915	Fed Ex	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
	Ryan Scheid		6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-025-012	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 9N	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
Z-9 Trench, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling		F05-025		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**COA**	**METHOD OF SHIPMENT**		
Seal # 00424534		119152E520	FEDERAL EXPRESS		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Beacon Environmental Services	24 PTR 15675		24 PTR 15675		

MATRIX*: A=Air; DL=Drum Liquids; DS=Drum Solids; L=Liquid; O=Oil; S=Soil; SE=Sediment; T=Tissue; V=Vegitation; W=Water; WI=Wipe; X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C														
TYPE OF CONTAINER	EMFLUX Cartridge														
NO. OF CONTAINER(S)	1														
VOLUME	5g														
SAMPLE ANALYSIS	VOA - 8260B (Emflex);														

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME											
B1D863	OTHER SOLID	6/1/05	1317	X										
B1D864	OTHER SOLID	6/1/05	1319	X										
B1D865	OTHER SOLID	6/1/05	1320	X										
B1D866	OTHER SOLID	6/1/05	1342	X										
B1D867	OTHER SOLID	6/1/05	1400	X										

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
FMGENT	6/1/05 1600	FRIG #1	6/1/05 1600
MD-024 ROTT	6/17/05 0915	M.H. Bauch M.G. Bauch	6/17/05 0915
M.H. Bauch M.G. Bauch	6/17/05 0915	Fed Ex	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
	Ryan Sheridan		6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-025-013	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 9N	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
Z-9 Trench, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling	F05-025

ICE CHEST NO.	FIELD LOGBOOK NO.	COA	METHOD OF SHIPMENT
Zeal # 00424534		1191S2ES20	FEDERAL EXPRESS

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Beacon Environmental Services	24 PTC 15675	24 PTC 15675

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	PRESERVATION	TYPE OF CONTAINER	NO. OF CONTAINER(S) / VOLUME	SAMPLE ANALYSIS
				Cool 4C	EMFLUX Cartridge	1 / 5g	VOA - 8260B (Emflux);
B1D868	OTHER SOLID	6/1/05	1410	X			
B1D869	OTHER SOLID	6/1/05	1418	X			
B1D870	OTHER SOLID	6/1/05	1420	X			
B1D871	OTHER SOLID	6/1/05	1421	X			
B1D872	OTHER SOLID	6/1/05	1424	X			

CHAIN OF POSSESSION — SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT	6/1/05 1600	FRIG FI	6/1/05 1600
M.D. Barchus	6/7/05 0915	M.D. Barchus	6/7/05 0915
M.D. Barchus	6/7/05 0945	Fed Ex	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
	Ryan Scheidt		6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-025-014 | PAGE 1 OF 1

COLLECTOR GENT, PM	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ
SAMPLING LOCATION Z-9 Trench, EM1770 Task 3	**PROJECT DESIGNATION** Carbon Tetrachloride Passive Soil Gas Sampling		**SAF NO.** F05-025
ICE CHEST NO. Seal # 00424534	**FIELD LOGBOOK NO.**	**COA** 119152ES20	**METHOD OF SHIPMENT** FEDERAL EXPRESS
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** SU PTC 15675		**BILL OF LADING/AIR BILL NO.** SU PTC 15675

PRICE CODE 9N — **DATA TURNAROUND** 45 Days / 45 Days

AIR QUALITY ☐

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C													
TYPE OF CONTAINER	EMFLUX Cartridge													
NO. OF CONTAINER(S)	1													
VOLUME	5g													
SAMPLE ANALYSIS	VOA - 8260B (Emflux);													

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1D873	OTHER SOLID	6/1/05	1426	X									
B1D874	OTHER SOLID	6/1/05	1428	X									
B1D875	OTHER SOLID	6/1/05	1429	X									
B1D876	OTHER SOLID	6/1/05	1431	X									
B1D877	OTHER SOLID	6/1/05	1432	X									

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PMGENT/[illegible]	6/1/05 1600	FRIG #1	6/1/05 1600
M10-026 RLT	6/7/05 0915	M.H. Barnhart/M.G. Barnhart	6/7/05 0919
M.H. Barnhart/M.G. Barnhart	6/7/05 0919	LLO EX	

SPECIAL INSTRUCTIONS

LABORATORY SECTION — RECEIVED BY: Ryan Scheidt — TITLE — DATE/TIME: 6-8-2005 /0900

FINAL SAMPLE DISPOSITION — DISPOSAL METHOD — DISPOSED BY — DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-025-015	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 9N	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
Z-9 Trench, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling	F05-025

ICE CHEST NO.	FIELD LOGBOOK NO.	COA	METHOD OF SHIPMENT
Seal # 00424534		119152ES20	FEDERAL EXPRESS

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Beacon Environmental Services	54 PTR 15675	54 PTR 15675

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	TYPE OF CONTAINER	NO. OF CONTAINER(S)	VOLUME	SAMPLE ANALYSIS
Cool 4C	EMFLUX Cartridge	1	5g	VOA - 8260B (Emflux);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1D878	OTHER SOLID	6/1/05	1433	X
B1D879	OTHER SOLID	6/1/05	1434	X
B1D880	OTHER SOLID	6/1/05	1436	X
B1D881	OTHER SOLID	6/1/05	1438	X
B1D882	OTHER SOLID	6/1/05	1439	X

CHAIN OF POSSESSION — SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT	6/1/05 1600	FRIG #1	6/1/05 1600
MO-024 RJ	6/7/05 0915	M.A. Bauhaus M.A. Bauhaus	6/7/05 0915
M.A. Bauhaus M.A. Bauhaus	6/7/05 0915	Fed Ex	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
	Ryan Scheid		6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

0160000

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTOOY/SAMPLE ANALYSIS REQUEST	F05-025-016	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 9N	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
Z-9 Trench, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling		F05-025		
ICE CHEST NO. Seal # 00424534	**FIELD LOGBOOK NO.**	**COA** 119152ES20	**METHOD OF SHIPMENT** FEDERAL EXPRESS		
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** SU PTR 15675		**BILL OF LADING/AIR BILL NO.** SU PTR 15675		

MATRIX*: A=Air; DL=Drum Liquids; DS=Drum Solids; L=Liquid; O=Oil; S=Soil; SE=Sediment; T=Tissue; V=Vegitation; W=Water; WI=Wipe; X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C
TYPE OF CONTAINER	EMFLUX Cartridge
NO. OF CONTAINER(S)	1
VOLUME	5g
SAMPLE ANALYSIS	VOA - 8260B (Emflux);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1D883	OTHER SOLID	6/1/05	1440	X
B1D884	OTHER SOLID	6/1/05	1442	X
B1D885	OTHER SOLID	6/1/05	2400	X
B1D886	OTHER SOLID	6/1/05	2400	X
B1D887	OTHER SOLID	6/1/05	2400	X

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT/[illegible]	6/1/05 1600	ER6 #1	6/1/05 1600
[illegible]	6/7/05 0915	M.H. Barker/M.G. Barker	6/7/05 0915
M.H. Barker/M.G. Barker	6/7/05 0915	Fed EX	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
	Ryan Scheid		6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		FOS-02S-017	PAGE 1 OF 1
COLLECTOR GENT, PM	**COMPANY CONTACT** TRENT, SJ **TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 9N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION Z-9 Trench, EM1770 Task 3	**PROJECT DESIGNATION** Carbon Tetrachloride Passive Soil Gas Sampling	**SAF NO.** F05-02S		
ICE CHEST NO. Seal # 00424534	**FIELD LOGBOOK NO.** **COA** 119152ES20	**METHOD OF SHIPMENT** FEDERAL EXPRESS		
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** SW PTR 15675	**BILL OF LADING/AIR BILL NO.** SW PTR 15675		

MATRIX*	POSSIBLE SAMPLE HAZARDS/ REMARKS	PRESERVATION	TYPE OF CONTAINER	NO. OF CONTAINER(S) / VOLUME	SAMPLE ANALYSIS
A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegitation W=Water WI=Wipe X=Other	SPECIAL HANDLING AND/OR STORAGE	Cool 4C	EMFLUX Cartridge	1 / 5g	VOA - 8260B (Emflux);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1D888	OTHER SOLID	6/2/05	0818	X								
B1D889	OTHER SOLID	6/2/05	0820	X								
B1D890	OTHER SOLID	6/2/05	0822	X								
B1D891	OTHER SOLID	6/2/05	0826	X								
B1D892	OTHER SOLID	6/2/05	0828	X								

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT	6/2/05 1400	FRIG #1	6/2/05 1400
M.D. Barnhart	6/3/05 0915	M.D. Barnhart	6/3/05 0915
M.D. Barnhart	6/3/05 0915	Fed Ex	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
	Ryan Sheridan		6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-025-018	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 9N	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
Z-9 Trench, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling		F05-025		
ICE CHEST NO. Seal # 00424534	**FIELD LOGBOOK NO.**	**COA** 119152E520	**METHOD OF SHIPMENT** FEDERAL EXPRESS		
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** 24 PTR 15675		**BILL OF LADING/AIR BILL NO.** 24 PTR 15675		

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C														
TYPE OF CONTAINER	EMFLUX Cartridge														
NO. OF CONTAINER(S)	1														
VOLUME	5g														
SAMPLE ANALYSIS	VOA - 8260B (Enflux);														

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME											
B1D893	OTHER SOLID	6/2/05	0830	X										
B1D894	OTHER SOLID	6/2/05	0833	X										
B1D895	OTHER SOLID	6/2/05	0835	X										
B1D896	OTHER SOLID	6/2/05	0836	X										
B1D897	OTHER SOLID	6/2/05	0838	X										

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT	6/2/05 1400	ERC #1	6/2/05 1400
MO-026 RW	6/7/05 0915	M.H. Bauchwitz/M.O. Bauchwitz	6/7/05 0915
M.H. Bauchwitz/M.O. Bauchwitz	6/7/05 0915	Fed Ex	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
	Ryan Scheidt		6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-025-019	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 9N	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
Z-9 Trench, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling		F05-025		
ICE CHEST NO. Seal # 00424534	**FIELD LOGBOOK NO.**	**COA** 119152ES20	**METHOD OF SHIPMENT** FEDERAL EXPRESS		
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** 24 PTR 15675		**BILL OF LADING/AIR BILL NO.** 24 PTR 15675		

MATRIX*: A=Air; DL=Drum Liquids; DS=Drum Solids; L=Liquid; O=Oil; S=Soil; SE=Sediment; T=Tissue; V=Vegitation; W=Water; WI=Wipe; X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	PRESERVATION	TYPE OF CONTAINER	NO. OF CONTAINER(S)	VOLUME	SAMPLE ANALYSIS
B1D898	OTHER SOLID	6/2/05	0840	Cool 4C	EMFLUX Cartridge	1	5g	VOA - 8260B (Emflux);
B1D899	OTHER SOLID	6/2/05	0841					
B1D8B0	OTHER SOLID	6/2/05	0843					
B1D8B1	OTHER SOLID	6/2/05	0844					
B1D8B2	OTHER SOLID	6/2/05	0846					

CHAIN OF POSSESSION

SIGN/ PRINT NAMES			
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PMGENT	6/2/05 1400	FRIG #1	6/2/05 1900
MO-022 RFI	6/7/05 0915	M.J. Bauchman/M.L. Bauchman	6/7/05 0915
M.J. Bauchman/M.L. Bauchman	6/7/05 0915	Fed Ex	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY: Ryan Scheid	TITLE	DATE/TIME: 6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

0040045

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-025-020	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 9N	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
Z-9 Trench, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling		F05-025		
ICE CHEST NO. Seal # 00424574	**FIELD LOGBOOK NO.**	**COA** 119152ES20	**METHOD OF SHIPMENT** FEDERAL EXPRESS		
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** SU PTR 15675		**BILL OF LADING/AIR BILL NO.** SU PTR 15675		

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C
TYPE OF CONTAINER	EMFLUX Cartridge
NO. OF CONTAINER(S)	1
VOLUME	5g
SAMPLE ANALYSIS	VOA - 8260B (Emflux);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1D8B3	OTHER SOLID	6/2/05	0847	X								
B1D8B4	OTHER SOLID	6/2/05	0851	X								
B1D8B5	OTHER SOLID	6/2/05	0852	X								
B1D8B6	OTHER SOLID	6/2/05	0854	X								
B1D8B7	OTHER SOLID	6/2/05	0855	X								

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT	6/2/05 1400	FRIG #6	6/2/05 1400
MO-024 RJ	6/7/05 0915	M.H. Bauchman M.A. Bauchman	6/7/05 0915
M.H. Bauchman M.A. Bauchman	6/7/05 0915	Fed Ex	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
	Ryan Scheid		6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-025-021	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 9N	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
Z-9 Trench, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling		F05-025		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**COA**	**METHOD OF SHIPMENT**		
2nd # 00424534		119152ES20	FEDERAL EXPRESS		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Beacon Environmental Services	2U PTR 15675		2U PTR 15675		

MATRIX*: A=Air; OL=Drum Liquids; DS=Drum Solids; L=Liquid; O=Oil; S=Soil; SE=Sediment; T=Tissue; V=Vegitation; W=Water; WI=Wipe; X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C													
TYPE OF CONTAINER	EMFLUX Cartridge													
NO. OF CONTAINER(S)	1													
VOLUME	5g													
SAMPLE ANALYSIS	VOA - 8260B (Emflux);													

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1D8B8	OTHER SOLID	6/2/05	0857	X									
B1D8B9	OTHER SOLID	6/2/05	0901	X									
B1D8C0	OTHER SOLID	6/2/05	0902	X									
B1D8C1	OTHER SOLID	6/2/05	0904	X									
B1D8C2	OTHER SOLID	6/2/05	0906	X									

CHAIN OF POSSESSION	SIGN/ PRINT NAMES	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM: PM GENT — DATE/TIME: 6/2/05 1408	RECEIVED BY/STORED IN: FRIG #10 — DATE/TIME: 6/2/05 1408	
RELINQUISHED BY/REMOVED FROM: M.D. Barnhart — DATE/TIME: 6/7/05 0915	RECEIVED BY/STORED IN: M.D. Barnhart — DATE/TIME: 6/7/05 0915	
RELINQUISHED BY/REMOVED FROM: M.D. Barnhart — DATE/TIME: 6/7/05 0915	RECEIVED BY/STORED IN: LAB FR — DATE/TIME:	
RELINQUISHED BY/REMOVED FROM — DATE/TIME:	RECEIVED BY/STORED IN — DATE/TIME:	
RELINQUISHED BY/REMOVED FROM — DATE/TIME:	RECEIVED BY/STORED IN — DATE/TIME:	
RELINQUISHED BY/REMOVED FROM — DATE/TIME:	RECEIVED BY/STORED IN — DATE/TIME:	
RELINQUISHED BY/REMOVED FROM — DATE/TIME:	RECEIVED BY/STORED IN — DATE/TIME:	

LABORATORY SECTION	RECEIVED BY: Ryan Scheid	TITLE	DATE/TIME: 6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

00004946

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-025-022	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 9N	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
Z-9 Trench, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling		F05-025		
ICE CHEST NO. Seal # 00424534	**FIELD LOGBOOK NO.**	**COA** 119152ES20	**METHOD OF SHIPMENT** FEDERAL EXPRESS		
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** See PTR 15675		**BILL OF LADING/AIR BILL NO.** See PTR 15675		

MATRIX*	POSSIBLE SAMPLE HAZARDS/ REMARKS	PRESERVATION	Cool 4C								
A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegitation W=Water WI=Wipe X=Other		TYPE OF CONTAINER	EMFLUX Cartridge								
		NO. OF CONTAINER(S)	1								
		VOLUME	5g								
	SPECIAL HANDLING AND/OR STORAGE	SAMPLE ANALYSIS	VOA - 82608 (Emflux);								

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1D8C3	OTHER SOLID	6/2/05	0908	X							
B1D8C4	OTHER SOLID			X							

CHAIN OF POSSESSION	SIGN/ PRINT NAMES	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM: PM GENT [signature] — DATE/TIME: 6/2/05 1400	RECEIVED BY/STORED IN: FRIG #1 — DATE/TIME: 6/2/05 1400	
RELINQUISHED BY/REMOVED FROM: MO-926 [signature] — DATE/TIME: 6/7/05 0915	RECEIVED BY/STORED IN: M.H. Boucher M.G. Boucher — DATE/TIME: 6/7/05 0915	
RELINQUISHED BY/REMOVED FROM: M.H. Boucher M.G. Boucher — DATE/TIME: 6/7/05 0915	RECEIVED BY/STORED IN: Fed Ex — DATE/TIME:	
RELINQUISHED BY/REMOVED FROM — DATE/TIME:	RECEIVED BY/STORED IN — DATE/TIME:	
RELINQUISHED BY/REMOVED FROM — DATE/TIME:	RECEIVED BY/STORED IN — DATE/TIME:	
RELINQUISHED BY/REMOVED FROM — DATE/TIME:	RECEIVED BY/STORED IN — DATE/TIME:	
RELINQUISHED BY/REMOVED FROM — DATE/TIME:	RECEIVED BY/STORED IN — DATE/TIME:	

LABORATORY SECTION	RECEIVED BY: Ryan Scheid	TITLE	DATE/TIME: 6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

CHAIN-OF-CUSTODY
PASSIVE SOIL-GAS SAMPLES

Project Information	
Beacon Project No.:	EM1770 Task 3
Site Name:	216-Z-Trench
Site Location:	200-PW-1 OU, Hanford, WA
Analytical Method:	EPA Method 8260B
Target Compounds:	Beacon Project Number EM1770 Target Compound List

BEACON ENVIRONMENTAL SERVICES, INC.
323 Williams Street, Suite D, Bel Air, MD 21014, 800-878-5510

Client Information	
Company Name:	Fluor Hanford, Inc.
Office Location:	Richland, WA
Samples Submitted By:	
Contact Phone No.:	

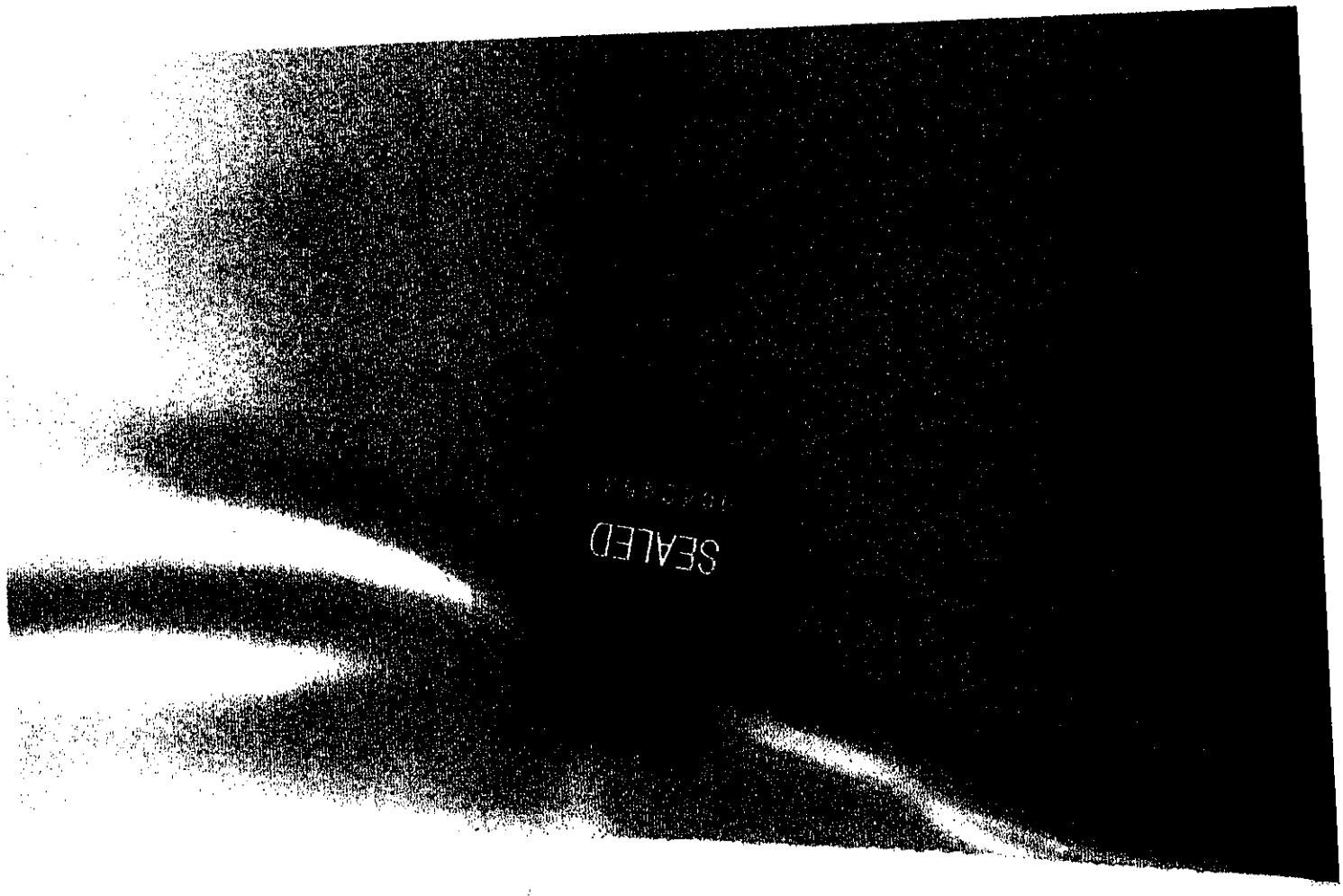
Field Sample ID	Lab Sample ID (for lab use only)	Comments (only necessary if problem or discrepancy)			
		Condition of sample or vial	Date	Time	Initial
Trip-3					
Trip-4					
Trip-5					

Shipment of Field Kit to Site — Custody Seal # 00424509 **Intact?** (Y) N

Relinquished by:	Date/Time	Courier	Received by:	Date/Time
Ryan Scheid	5-19-2005 / 1700	FEDEX	Phillip Seidel	23MAY05 / 1000

Shipment of Field Kit to Laboratory — Custody Seal # 00424534 **Intact?** (Y) N

Relinquished by:	Date/Time	Courier	Received by:	Date/Time
Phillip Seidel	6/7/05 0915	FED EX	Ryan Scheid	6-8-2005 / 0900



From: Origin ID: (509)376-7768
SHIPPING DEPT
FLUOR HANFORD
2355 STEVENS DR BLDG 1162

RICHLAND, WA 99352

FedEx Express

Ship Date: 07JUN05
Actual Wgt: 12 LB
System#: 5851966/INET2000
Account#: S *********

REF: MB200 119152 ES20

[redacted]
Delivery Address Bar Code

SHIP TO: (800)878-5510 BILL SENDER

RYAN SCHNEIDER
BEACON ENVIRONMENTAL SERVICES, INC.
323 WILLIAMS, SUITE D
SAMPLE RECEIVING/PTR15675
BEL AIRE, MD 21014

PRIORITY OVERNIGHT

WED
Deliver By:
08JUN05

TRK# 7900 4506 5787

FORM 0201

BWI AA

21014 -MD-US

XH DLOA

[redacted]

3000049

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-025-001	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 9N	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
T-Plant, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling		F05-025		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**COA**	**METHOD OF SHIPMENT**		
Seal # 00424532		119152ES20	FEDERAL EXPRESS		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Beacon Environmental Services	See PTR 15675		See PTR 15675		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C														
TYPE OF CONTAINER	EMFLUX Cartridge														
NO. OF CONTAINER(S)	1														
VOLUME	5g														
SAMPLE ANALYSIS	VOA - 8260B (Emflux);														

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME											
B1D817	OTHER SOLID	6/1/05	0943	X										
B1D818	OTHER SOLID	6/1/05	0951	X										
B1D819	OTHER SOLID	6/1/05	1030	X										
B1D820	OTHER SOLID	6/1/05	1035	X										
B1D821	OTHER SOLID	6/1/05	1040	X										

CHAIN OF POSSESSION	SIGN/ PRINT NAMES		
RELINQUISHED BY/REMOVED FROM / DATE/TIME	RECEIVED BY/STORED IN / DATE/TIME	SPECIAL INSTRUCTIONS	
PMGENT/PMGent 6/1/05 1608	FRIG#1 6/1/05 1600		
MO-026 Ryan 6/7/05 0845	M.H.Baucher M.G.Baucher 6/7/05 0845		
M.H.Baucher M.G.Baucher 6/7/05 0845	LRO CA		
RELINQUISHED BY/REMOVED FROM / DATE/TIME	RECEIVED BY/STORED IN / DATE/TIME		
RELINQUISHED BY/REMOVED FROM / DATE/TIME	RECEIVED BY/STORED IN / DATE/TIME		
RELINQUISHED BY/REMOVED FROM / DATE/TIME	RECEIVED BY/STORED IN / DATE/TIME		
RELINQUISHED BY/REMOVED FROM / DATE/TIME	RECEIVED BY/STORED IN / DATE/TIME		

LABORATORY SECTION	**RECEIVED BY** Ryan Schrader	**TITLE**	**DATE/TIME** 6-8-2005 / 0900	
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**	

A-6003-618(03/03)

COPY

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-025-002	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 9N	DATA TURNARDUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
T-Plant, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling		F05-025		
ICE CHEST NO. Cool # 0424532	**FIELD LOGBOOK NO.**	**COA** 119152ES20	**METHOD OF SHIPMENT** FEDERAL EXPRESS		
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** 24 PTR 15675		**BILL OF LADING/AIR BILL NO.** 24 PTR 15675		

MATRIX*	POSSIBLE SAMPLE HAZARDS/ REMARKS	PRESERVATION	Cool 4C									
A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegitation W=Water WI=Wipe X=Other		TYPE OF CONTAINER	EMFLUX Cartridge									
		NO. OF CONTAINER(S)	1									
		VOLUME	5g									
	SPECIAL HANDLING AND/OR STORAGE	SAMPLE ANALYSIS	VOA - 8260B (Emflux);									

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1D822	OTHER SOLID	6/1/05	1047	X								
B1D823	OTHER SOLID	6/1/05	1051	X								
B1D824	OTHER SOLID	6/1/05	1054	X								
B1D825	OTHER SOLID	6/1/05	1057	X								
B1D826	OTHER SOLID	6/1/05	1100	X								

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT/	6/1/05 1600	FRIG #1	6/1/05 1600
[illegible]	6/7/05 0845	[illegible]	6/7/05 0845
[illegible]	6/7/05 0845	[illegible]	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY Ryan Scheid	TITLE	DATE/TIME 6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-025-003	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 9N	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
T-Plant, EM1770 Task 3	Carbon Tetrachlorkde Passive Soil Gas Sampling		F05-025		
ICE CHEST NO. Seal # 0042532	**FIELD LOGBOOK NO.**	**COA** 119152E520	**METHOD OF SHIPMENT** FEDERAL EXPRESS		
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** 54 PTC 15675		**BILL OF LADING/AIR BILL NO.** 54 PTC 15675		

MATRIX*: A=Air; OL=Drum Liquids; DS=Drum Solids; L=Liquid; O=Oil; S=Soil; SE=Sediment; T=Tissue; V=Vegitation; W=Water; WI=Wipe; X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C
TYPE OF CONTAINER	EMFLUX Cartridge
NO. OF CONTAINER(S)	1
VOLUME	5g
SAMPLE ANALYSIS	VOA - 8260B (Emflux);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1D827	OTHER SOLID	6/1/05	1150	X								
B1D828	OTHER SOLID	6/1/05	1152	X								
B1D829	OTHER SOLID	6/1/05	1154	X								
B1D830	OTHER SOLID	6/1/05	1157	X								
B1D831	OTHER SOLID	6/1/05	1158	X								

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT	6/1/05 1800	FRIG #1	6/1/05 1600
[illegible]	6/1/05 0045	[illegible]	6/1/05 0045
[illegible]	6/1/05 0045	LEAD EX	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY** Ryan Scheid	**TITLE**	**DATE/TIME** 6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-025-004	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 9N	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
T-Plant, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling		F05-025		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**COA**	**METHOD OF SHIPMENT**		
Seal # 0042532		119152ES20	FEDERAL EXPRESS		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Beacon Environmental Services	54 PTR 15675		54 PTR 15675		

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C
TYPE OF CONTAINER	EMFLUX Cartridge
NO. OF CONTAINER(S)	1
VOLUME	5g
SAMPLE ANALYSIS	VOA - 8260B (Emflux);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1D832	OTHER SOLID	6/1/05	1201	X							
B1D833	OTHER SOLID	6/1/05	1202	X							
B1D834	OTHER SOLID	6/1/05	1206	X							
B1D835	OTHER SOLID	6/1/05	1209	X							
B1D836	OTHER SOLID	6/1/05	1212	X							

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT/[illegible]	6/1/05 1600	FRIG #1	6/1/05 1600
M.D. Rutt	6/7/05 0845	M.H. Barnhill/M.D. Barnhill	6/7/05 0845
M.H. Barnhill/M.D. Barnhill	6/8/05 0845	Lab	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
	Ryan Scheid		6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-025-005	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 9N	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
T-Plant, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling		F05-025		
ICE CHEST NO. Seal # 0042453	**FIELD LOGBOOK NO.**	**COA** 119152ES20	**METHOD OF SHIPMENT** FEDERAL EXPRESS		
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** SU PTK 15675		**BILL OF LADING/AIR BILL NO.** SU PTK 15675		

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C														
TYPE OF CONTAINER	EMFLUX Cartridge														
NO. OF CONTAINER(S)	1														
VOLUME	5g														
SAMPLE ANALYSIS	VOA - 8260B (Emflux);														

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1D837	OTHER SOLID	6/1/05	1217	X									
B1D838	OTHER SOLID	6/1/05	1219	X									
B1D839	OTHER SOLID	6/1/05	1222	X									
B1D840	OTHER SOLID	6/1/05	1224	X									
B1D841	OTHER SOLID	6/1/05	1226	X									

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT	6/1/05 1600	FRIC #1	6/1/05 1600
M.A. Bachus	6/7/05 0845	M.A. Bachus	6/7/05 0845
M.A. Bachus	6/7/05 0845	Fed Ex	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
	Ryan Scheid		6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-025-006	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 9N	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
T-Plant, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling		F05-025		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**COA**	**METHOD OF SHIPMENT**		
Seal #0042532		119152ES20	FEDERAL EXPRESS		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Beacon Environmental Services	SGPTR 15675		SGPTR 15675		

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C														
TYPE OF CONTAINER	EMFLUX Cartridge														
NO. OF CONTAINER(S)	1														
VOLUME	5g														
SAMPLE ANALYSIS	VOA - 8260B (Emflux);														

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME											
B1D842	OTHER SOLID	6/1/05	1228	X										
B1D843	OTHER SOLID	6/1/05	1233	X										
B1D844	OTHER SOLID	6/1/05	1236	X										
B1D845	OTHER SOLID	6/1/05	1236	X										
B1D846	OTHER SOLID	6/1/05	1240	X										

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT	6/1/05 1600	FRIG #1	6/1/05 1600
M.G. Rutherford	6/7/05 0845	M.H. Barker M.G. Rutherford	6/7/05 0845
M.H. Barker M.G. Rutherford	6/7/05 [illegible]	Fed Ex	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
	Ryan Scheid		6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

e0004842

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-025-007	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 9N	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
T-Plant, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling		F05-025		
ICE CHEST NO. Seal # 0424532	**FIELD LOGBOOK NO.**	**COA** 119152ES20	**METHOD OF SHIPMENT** FEDERAL EXPRESS		
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** Sea PNL 15675		**BILL OF LADING/AIR BILL NO.** Sea PNL 15675		

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C														
TYPE OF CONTAINER	EMFLUX Cartridge														
NO. OF CONTAINER(S)	1														
VOLUME	5g														
SAMPLE ANALYSIS	VOA - 8260B (Emflux);														

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME											
B1D847	OTHER SOLID	6/1/05	1242	X										
B1D848	OTHER SOLID	6/1/05	1243	X										
B1D849	OTHER SOLID	6/1/05	2400	X										
B1D850	OTHER SOLID	6/1/05	2400	X										

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PMGENT/[illegible]	6/1/05 1600	FRIG #1	6/1/05 1600
MS 26 RTT	6/1/05 0845	M.G. Brunner	6/1/05 0845
M.G. Brunner	6/1/05 1705	LOG EX	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
	Ryan Scheid		6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-025-008	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 9N	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
T-Plant, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling		F05-025		
ICE CHEST NO. Sed # 0424532	**FIELD LOGBOOK NO.**	**COA** 119152ES20	**METHOD OF SHIPMENT** FEDERAL EXPRESS		
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** SuPTR 15675		**BILL OF LADING/AIR BILL NO.** SuPTR 15675		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C													
TYPE OF CONTAINER	EMFLUX Cartridge													
NO. OF CONTAINER(S)	1													
VOLUME	5g													
SAMPLE ANALYSIS	VOA - 8260B (Emflux);													

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1D851	OTHER SOLID			X									
B1D852	OTHER SOLID			X									

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MD-2C RJT	6/7/05 0845	M.H. Bachtler/M.G. Bachtler	7/05/0845
M.H. Bachtler/M.G. Bachtler	7/05/0845	Fed Ex	

SPECIAL INSTRUCTIONS

FOR EQUIPMENT BLANKS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(03/03)

CHAIN-OF-CUSTODY
PASSIVE SOIL-GAS SAMPLES

Project Information	
Beacon Project No.:	EM1770 Task 3
Site Name:	T Plant
Site Location:	200-PW-1 OU, Hanford, WA
Analytical Method:	EPA Method 8260B
Target Compounds:	Beacon Project Number EM1770 Target Compound List

BEACON ENVIRONMENTAL SERVICES, INC.
323 Williams Street, Suite D, Bel Air, MD 21014, 800-878-5510

Client Information	
Company Name:	Fluor Hanford, Inc.
Office Location:	Richland, WA
Samples Submitted By:	
Contact Phone No.:	

Field Sample ID	Lab Sample ID (for lab use only)	Comments (only necessary if problem or discrepancy)			
		Condition of sample or vial	Date	Time	Initial
Trip-6					
Trip-7					

Shipment of Field Kit to Site — Custody Seal # 00424529 Intact? (Y) N

Relinquished by:	Date/Time	Courier	Received by:	Date/Time
Ryan Sheridan	5-19-2005 / 1700	FEDEX	Phillip Zerbe	23MAY05 / 1000

Shipment of Field Kit to Laboratory — Custody Seal # 00424532 Intact? (Y) N

Relinquished by:	Date/Time	Courier	Received by:	Date/Time
Phillip Zerbe	6/7/05 0845	FED EX	Ryan Sheridan	6-8-2005 / 0900

Uncontrolled

From: Origin ID: (509)376-7768
SHIPPING DEPT
FLUOR HANFORD
2355 STEVENS DR BLDG 1162

RICHLAND, WA 99352

FedEx Express

Ship Date: 07JUN05
Actual Wgt: 10 LB
System#: 5851986/INET2000
Account#: S *********

REF: MB200 119152 ES20

Delivery Address Bar Code

SHIP TO: (800)878-5510 BILL SENDER

RYAN SCHNEIDER
BEACON ENVIRONMENTAL SERVICES, INC.
323 WILLIAMS, SUITE D
SAMPLE RECEIVING/PTR15675
BEL AIRE, MD 21014

PRIORITY OVERNIGHT

WED
Deliver By:
08JUN05

TRK# 7900 4506 5743

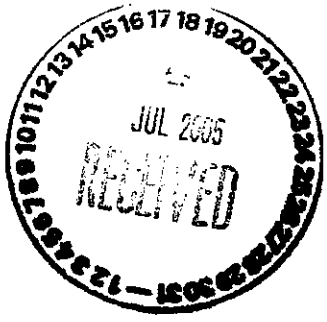
FORM 0201

BWI AA

21014 -MD-US

XH DLOA

0000059



SAMPLING TASK NO. 3
200-PW-1 OPERABLE UNIT
Sample Delivery Group
BEACON0002

BEACON ENVIRONMENTAL SERVICES, INC.
323 Williams Street • Suite D • Bel Air, MD 21014
410-838-8780 • *fax*: 410-838-8740 • www.emflux.com

NARRATIVE

Laboratory Name:	BEACON Environmental Services, Inc. (BEACON)
Sample Receipt Date:	6/8/2005
Sample Delivery Group:	BEACON0002
Project:	200-PW-1 Operable Unit Passive Soil Gas Sampling and Analysis Contract No. 26796
Project Code:	EM1770

Results for the following samples are included in this data package

	Sample ID	Matrix	Analysis
1	B1D885 Trip-3	EMFLUX® Cartridge	OTHER-8260B
2	B1D853	EMFLUX® Cartridge	OTHER-8260B
3	B1D854	EMFLUX® Cartridge	OTHER-8260B
4	B1D855	EMFLUX® Cartridge	OTHER-8260B
5	B1D856	EMFLUX® Cartridge	OTHER-8260B
6	B1D857	EMFLUX® Cartridge	OTHER-8260B
7	B1D858	EMFLUX® Cartridge	OTHER-8260B
8	B1D859	EMFLUX® Cartridge	OTHER-8260B
9	B1D860	EMFLUX® Cartridge	OTHER-8260B
10	B1D862	EMFLUX® Cartridge	OTHER-8260B
11	B1D863	EMFLUX® Cartridge	OTHER-8260B
12	B1D864	EMFLUX® Cartridge	OTHER-8260B
13	B1D865	EMFLUX® Cartridge	OTHER-8260B
14	B1D867	EMFLUX® Cartridge	OTHER-8260B
15	B1D868	EMFLUX® Cartridge	OTHER-8260B
16	B1D869	EMFLUX® Cartridge	OTHER-8260B
17	B1D870	EMFLUX® Cartridge	OTHER-8260B
18	B1D871	EMFLUX® Cartridge	OTHER-8260B
19	B1D872	EMFLUX® Cartridge	OTHER-8260B
20	B1D874	EMFLUX® Cartridge	OTHER-8260B
21	B1D875	EMFLUX® Cartridge	OTHER-8260B
22	B1D877	EMFLUX® Cartridge	OTHER-8260B
23	B1D881	EMFLUX® Cartridge	OTHER-8260B
24	B1D883	EMFLUX® Cartridge	OTHER-8260B
25	B1D884	EMFLUX® Cartridge	OTHER-8260B
26	B1D886 Trip-4	EMFLUX® Cartridge	OTHER-8260B
27	B1D887 Trip-5	EMFLUX® Cartridge	OTHER-8260B
28	B1D861	EMFLUX® Cartridge	OTHER-8260B

29	B1D866	EMFLUX® Cartridge	OTHER-8260B
30	B1D873	EMFLUX® Cartridge	OTHER-8260B
31	B1D876	EMFLUX® Cartridge	OTHER-8260B
32	B1D878	EMFLUX® Cartridge	OTHER-8260B
33	B1D879	EMFLUX® Cartridge	OTHER-8260B
34	B1D880	EMFLUX® Cartridge	OTHER-8260B
35	B1D882	EMFLUX® Cartridge	OTHER-8260B
36	B1D888	EMFLUX® Cartridge	OTHER-8260B
37	B1D889	EMFLUX® Cartridge	OTHER-8260B
38	B1D890	EMFLUX® Cartridge	OTHER-8260B
39	B1D891	EMFLUX® Cartridge	OTHER-8260B
40	B1D892	EMFLUX® Cartridge	OTHER-8260B
41	B1D893	EMFLUX® Cartridge	OTHER-8260B
42	B1D894	EMFLUX® Cartridge	OTHER-8260B
43	B1D896	EMFLUX® Cartridge	OTHER-8260B
44	B1D898	EMFLUX® Cartridge	OTHER-8260B
45	B1D899	EMFLUX® Cartridge	OTHER-8260B
46	B1D8B1	EMFLUX® Cartridge	OTHER-8260B
47	B1D8B4	EMFLUX® Cartridge	OTHER-8260B
48	B1D8B5	EMFLUX® Cartridge	OTHER-8260B
49	B1D8B7	EMFLUX® Cartridge	OTHER-8260B
50	B1D8B8	EMFLUX® Cartridge	OTHER-8260B
51	B1D8B9	EMFLUX® Cartridge	OTHER-8260B
52	B1D8C1	EMFLUX® Cartridge	OTHER-8260B
53	B1D8C2	EMFLUX® Cartridge	OTHER-8260B
54	B1D8C3	EMFLUX® Cartridge	OTHER-8260B
55	B1D895	EMFLUX® Cartridge	OTHER-8260B
56	B1D897	EMFLUX® Cartridge	OTHER-8260B
57	B1D8B0	EMFLUX® Cartridge	OTHER-8260B
58	B1D8B2	EMFLUX® Cartridge	OTHER-8260B
59	B1D8B3	EMFLUX® Cartridge	OTHER-8260B
60	B1D8B6	EMFLUX® Cartridge	OTHER-8260B
61	B1D850 Trip-6	EMFLUX® Cartridge	OTHER-8260B
62	B1D817	EMFLUX® Cartridge	OTHER-8260B
63	B1D818	EMFLUX® Cartridge	OTHER-8260B
64	B1D819	EMFLUX® Cartridge	OTHER-8260B
65	B1D820	EMFLUX® Cartridge	OTHER-8260B
66	B1D821	EMFLUX® Cartridge	OTHER-8260B
67	B1D822	EMFLUX® Cartridge	OTHER-8260B
68	B1D824	EMFLUX® Cartridge	OTHER-8260B
69	B1D825	EMFLUX® Cartridge	OTHER-8260B
70	B1D833	EMFLUX® Cartridge	OTHER-8260B

71	B1D836	EMFLUX® Cartridge	OTHER-8260B
72	B1D840	EMFLUX® Cartridge	OTHER-8260B
73	B1D843	EMFLUX® Cartridge	OTHER-8260B
74	B1D848	EMFLUX® Cartridge	OTHER-8260B
75	B1D849 Trip-7	EMFLUX® Cartridge	OTHER-8260B
76	B1D823	EMFLUX® Cartridge	OTHER-8260B
77	B1D826	EMFLUX® Cartridge	OTHER-8260B
78	B1D827	EMFLUX® Cartridge	OTHER-8260B
79	B1D828	EMFLUX® Cartridge	OTHER-8260B
80	B1D8C0	EMFLUX® Cartridge	OTHER-8260B
81	B1D829	EMFLUX® Cartridge	OTHER-8260B
82	B1D830	EMFLUX® Cartridge	OTHER-8260B
83	B1D831	EMFLUX® Cartridge	OTHER-8260B
84	B1D832	EMFLUX® Cartridge	OTHER-8260B
85	B1D834	EMFLUX® Cartridge	OTHER-8260B
86	B1D835	EMFLUX® Cartridge	OTHER-8260B
87	B1D837	EMFLUX® Cartridge	OTHER-8260B
88	B1D838	EMFLUX® Cartridge	OTHER-8260B
89	B1D839	EMFLUX® Cartridge	OTHER-8260B
90	B1D841	EMFLUX® Cartridge	OTHER-8260B
91	B1D842	EMFLUX® Cartridge	OTHER-8260B
92	B1D844	EMFLUX® Cartridge	OTHER-8260B
93	B1D845	EMFLUX® Cartridge	OTHER-8260B
94	B1D846	EMFLUX® Cartridge	OTHER-8260B
95	B1D847	EMFLUX® Cartridge	OTHER-8260B

Method 8260B

The samples were analyzed for a custom target compound list following EPA Method 8260B. The method was modified by using thermal desorption to introduce the sample, and using a 30% RSD acceptance criteria for linear calibration for targeted analytes. Documentation of internal standards and surrogate recoveries, as well as established limits, are specified in BEACON's *Quality Assurance Program Plan (QAPP) for the Analysis of Soil-Gas Samplers Collected with the EMFLUX® Passive Soil-Gas System.*

Target Compounds

CAS #	Compounds
75-00-3	Chloroethane
74-87-3	Chloromethane
75-35-4	1,1-Dichloroethene
75-09-2	Methylene Chloride
156-60-5	trans-1,2-Dichloroethene
75-34-3	1,1-Dichloroethane
156-59-2	cis-1,2-Dichloroethene
67-66-3	Chloroform
107-06-2	1,2-Dichloroethane
71-55-6	1,1,1-Trichloroethane
56-23-5	Carbon Tetrachloride
78-87-5	1,2-Dichloropropane
79-01-6	Trichloroethene
79-00-5	1,1,2-Trichloroethane
124-48-1	Dibromochloromethane
127-18-4	Tetrachloroethene

Practical Quantitation Levels (PQL)
As noted in BEACON's QAPP, the PQL for all analytes is 25 nanograms (ng) for purposes of uniformity in reporting.

Blank Contamination
The following table provides the identification for the preparation blank, method blanks, and trip blanks that were analyzed in conjunction with the samples from delivery group number BEACON0002.

Sample ID	Lab File ID	Analysis Date
Prep Blank	05052510.D	5/26/2005
Method Blank	05060803.D	6/8/2005
B1D885 Trip-3	05060804.D	6/8/2005
Method Blank	05060826.D	6/9/2005
B1D886 Trip-4	05060832.D	6/9/2005
B1D887 Trip-5	05060833.D	6/9/2005
Method Blank	05060849.D	6/9/2005
Method Blank	05060872.D	6/10/2005
B1D850 Trip-6	05060874.D	6/10/2005
B1D849 Trip-7	05060888.D	6/10/2005
Method Blank	05061003.D	6/10/2005

Compounds identified on field samples, trip blanks, and laboratory control samples that were also identified on the associated batch method blank are qualified with a "B." No compounds were identified on any of the prep, method, or trip blank at or above the practical quantitation level.

Calibration Verification
The Continuing Calibration Verification values for the target analytes were all within ±30% of the true value as defined by the initial calibration and met the requirements specified in BEACON's Quality Assurance Program Plan.

Demonstrated Linear Range of Instrumentation
An initial five point calibration is performed on the instrumentation from 10 nanograms to 250 nanograms per EMFLUX® cartridge.

Discussion
The quality assurance checks for all samples in Sample Delivery Group: BEACON0002 passed all acceptance criteria.

ALL DATA MEET REQUIREMENTS AS SPECIFIED IN BEACON'S QUALITY ASSURANCE PROGRAM PLAN EXCEPT AS STATED ABOVE. RELEASE OF THE DATA CONTAINED IN THIS HARDCOPY DATA PACKAGE HAS BEEN AUTHORIZED BY THE LABORATORY DIRECTOR OR HIS SIGNEE, AS VERIFIED BY THE FOLLOWING SIGNATURE:

Steven C. Thornley — 14 July 2005

Steven C. Thornley
Laboratory Director

Date

Chain-of-Custody/
Sample Analysis Request
Forms

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-025-010 PAGE 1 OF 1

COLLECTOR: GENT, PM	COMPANY CONTACT: TRENT, SJ	TELEPHONE NO.: 373-5869	PROJECT COORDINATOR: TRENT, SJ
SAMPLING LOCATION: Z-9 Trench, EM1770 Task 3	PROJECT DESIGNATION: Carbon Tetrachloride Passive Soil Gas Sampling		SAF NO.: F05-025
ICE CHEST NO.: Seal # 00424534	FIELD LOGBOOK NO.	COA: 119152ES20	METHOD OF SHIPMENT: FEDERAL EXPRESS
SHIPPED TO: Beacon Environmental Services	OFFSITE PROPERTY NO.: 26 PTR 15675		BILL OF LADING/AIR BILL NO.: 26 PTR 15675

PRICE CODE: 9N

AIR QUALITY:

DATA TURNAROUND: 45 Days / 45 Days

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION: Cool 4C

TYPE OF CONTAINER: EMFLUX Cartridge

NO. OF CONTAINER(S): 1

VOLUME: 5g

SAMPLE ANALYSIS: VOA - 8260B (Emflux);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1D853	OTHER SOLID	6/1/05	1258	X
B1D854	OTHER SOLID	6/1/05	1301	X
B1D855	OTHER SOLID	6/1/05	1302	X
B1D856	OTHER SOLID	6/1/05	1304	X
B1D857	OTHER SOLID	6/1/05	1306	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT	6/1/05 1600	FRIG F1	6/1/05 1600
MO-026	6/7/05 0915	M.H. Barnhill	6/7/05 0915
M.H. Barnhill	6/7/05 0915	KLA CX	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
	Ryan Schmidt		6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F05-025-011	PAGE 1 OF 1
COLLECTOR GENT, PM	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 9N **AIR QUALITY**	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION Z-9 Trench, EM1770 Task 3	**PROJECT DESIGNATION** Carbon Tetrachloride Passive Soil Gas Sampling		**SAF NO.** F05-025		
ICE CHEST NO. Seal # 00424534	**FIELD LOGBOOK NO.**	**COA** 119152ES20	**METHOD OF SHIPMENT** FEDERAL EXPRESS		
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** SW PTR 15675		**BILL OF LADING/AIR BILL NO.** SW PTR 15675		

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C
TYPE OF CONTAINER	EMFLUX Cartridge
NO. OF CONTAINER(S)	1
VOLUME	5g
SAMPLE ANALYSIS	VOA - 8260B (Emflux);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1D858	OTHER SOLID	6/1/05	1307	X
B1D859	OTHER SOLID	6/1/05	1309	X
B1D860	OTHER SOLID	6/1/05	1311	X
B1D861	OTHER SOLID	6/1/05	1313	X
B1D862	OTHER SOLID	6/1/05	1315	X

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PMGENT/[illegible]	6/1/05 1600	ERG #1	6/1/05 1600
MO-926 KJ	6/7/05 0415	M.H. Bachelor/M.G. Bachelor	6/7/05 0415
M.H. Bachelor/M.G. Bachelor	6/7/05 0415	FED EX	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
	Ryan Scheid		6-9-2005 / 0900
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-025-012	PAGE 1 OF 1
COLLECTOR: GENT, PM	COMPANY CONTACT: TRENT, SJ — TELEPHONE NO.: 373-5869	PROJECT COORDINATOR: TRENT, SJ	PRICE CODE: 9N — DATA TURNAROUND: 45 Days / 45 Days
SAMPLING LOCATION: Z-9 Trench, EM1770 Task 3	PROJECT DESIGNATION: Carbon Tetrachloride Passive Soil Gas Sampling	SAF NO.: F05-025	AIR QUALITY:
ICE CHEST NO.: Seal # 00424534	FIELD LOGBOOK NO.: — COA: 119152ES20	METHOD OF SHIPMENT: FEDERAL EXPRESS	
SHIPPED TO: Beacon Environmental Services	OFFSITE PROPERTY NO.: SU PTR 15675	BILL OF LADING/AIR BILL NO.: SU PTR 15675	

MATRIX*: A=Air; DL=Drum Liquids; DS=Drum Solids; L=Liquid; O=Oil; S=Soil; SE=Sediment; T=Tissue; V=Vegitation; W=Water; WI=Wipe; X=Other

POSSIBLE SAMPLE HAZAROS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C
TYPE OF CONTAINER	EMFLUX Cartridge
NO. OF CONTAINER(S)	1
VOLUME	5g
SAMPLE ANALYSIS	VOA - 8260B (Emflux);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1D863	OTHER SOLID	6/1/05	1317	X							
B1D864	OTHER SOLID	6/1/05	1319	X							
B1D865	OTHER SOLID	6/1/05	1320	X							
B1D866	OTHER SOLID	6/1/05	1342	X							
B1D867	OTHER SOLID	6/1/05	1400	X							

CHAIN OF POSSESSION — SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
AMGENT [illegible]	6/1/05 1600	FRIG #1	6/1/05 1600
M.H. Boucher/M.G. Boucher	6/7/05 0915	M.H. Boucher/M.G. Boucher	6/7/05 0915
M.H. Boucher/M.G. Boucher	6/7/05 0915	Lab Ex	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY: Ryan Sheridan	TITLE	DATE/TIME: 6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-025-013 PAGE 1 OF 1

COLLECTOR: GENT, PM	COMPANY CONTACT: TRENT, SJ	TELEPHONE NO.: 373-5869	PROJECT COORDINATOR: TRENT, SJ
SAMPLING LOCATION: Z-9 Trench, EM1770 Task 3	PROJECT DESIGNATION: Carbon Tetrachloride Passive Soil Gas Sampling		SAF NO.: F05-025
ICE CHEST NO.: Seal # 00424534	FIELD LOGBOOK NO.	COA: 119152ES20	METHOD OF SHIPMENT: FEDERAL EXPRESS
SHIPPED TO: Beacon Environmental Services	OFFSITE PROPERTY NO.: 200 PTL 15675		BILL OF LADING/AIR BILL NO.: 200 PTL 15675

PRICE CODE: 9N — DATA TURNAROUND: 45 Days / 45 Days

AIR QUALITY:

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION: Cool 4C

TYPE OF CONTAINER: EMFLUX Cartridge

NO. OF CONTAINER(S): 1

VOLUME: 5g

SAMPLE ANALYSIS: VOA - 8260B (EMFlux);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1D868	OTHER SOLID	6/1/05	1410	X
B1D869	OTHER SOLID	6/1/05	1418	X
B1D870	OTHER SOLID	6/1/05	1420	X
B1D871	OTHER SOLID	6/1/05	1421	X
B1D872	OTHER SOLID	6/1/05	1424	X

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT	6/1/05 1600	ERG FTI	6/1/05 1600
M.D. Barlow III	6/7/05 0415	M.D. Barlow III	6/7/05 0415
M.D. Barlow III	6/7/05 0415	Fed Ex	

SPECIAL INSTRUCTIONS

LABORATORY SECTION — RECEIVED BY: Ryan Scheidt — TITLE: — DATE/TIME: 6-8-2005 /0900

FINAL SAMPLE DISPOSITION — DISPOSAL METHOD: — DISPOSED BY: — DATE/TIME:

A-6003-618(03/03)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-025-014 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	9N	
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
Z-9 Trench, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling		F05-025		
ICE CHEST NO. Seal # 00424534	**FIELD LOGBOOK NO.**	**COA** 119152ES20	**METHOD OF SHIPMENT** FEDERAL EXPRESS		
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** SUPTC 15675		**BILL OF LADING/AIR BILL NO.** SUPTC 15675		

MATRIX*: A=Air; DL=Drum Liquids; DS=Drum Solids; L=Liquid; O=Oil; S=Soil; SE=Sediment; T=Tissue; V=Vegitation; W=Water; WI=Wipe; X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C
TYPE OF CONTAINER	EMFLUX Cartridge
NO. OF CONTAINER(S)	1
VOLUME	5g
SAMPLE ANALYSIS	VOA - 8260B (Emflux);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1D873	OTHER SOLID	6/1/05	1426	X
B1D874	OTHER SOLID	6/1/05	1428	X
B1D875	OTHER SOLID	6/1/05	1429	X
B1D876	OTHER SOLID	6/1/05	1431	X
B1D877	OTHER SOLID	6/1/05	1432	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT	6/1/05 1600	FRIG #1	6/1/05 1600
M10-24 RUT	6/7/05 0915	M.H. Barnhart/M.G. Barnhart	6/7/05 0915
M.H. Barnhart/M.G. Barnhart	6/7/05 0915	FED EX	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
	Ryan Scheidt		6-8-2005 /0900
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

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A-6003-618(03/03)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-025-01S

COLLECTOR GENT, PM	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ
SAMPLING LOCATION Z-9 Trench, EM1770 Task 3	**PROJECT DESIGNATION** Carbon Tetrachloride Passive Soil Gas Sampling		**SAF NO.** F05-025
ICE CHEST NO. Seal # 00424534	**FIELD LOGBOOK NO.**	**COA** 119152ES20	**METHOD OF SHIPMENT** FEDERAL EXPRESS
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** Su PTR 15675		**BILL OF LADING/AIR BILL NO.** Su PTR 15675

PRICE CODE 9N — **DATA TURNAROUND**

AIR QUALITY ☐ — 45 Days / 45 Days

MATRIX*: A=Air; DL=Drum Liquids; DS=Drum Solids; L=Liquid; O=Oil; S=Soil; SE=Sediment; T=Tissue; V=Vegitation; W=Water; WI=Wipe; X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C
TYPE OF CONTAINER	EMFLUX Cartridge
NO. OF CONTAINER(S)	1
VOLUME	5g
SAMPLE ANALYSIS	VOA - 8260B (Emflux);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1D878	OTHER SOLID	6/1/05	1433	X
B1D879	OTHER SOLID	6/1/05	1434	X
B1D880	OTHER SOLID	6/1/05	1436	X
B1D881	OTHER SOLID	6/1/05	1438	X
B1D882	OTHER SOLID	6/1/05	1439	X

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT	6/1/05 1600	FRIG #1	6/1/05 1600
M.G. Bauhan	6/7/05 0415	M.G. Bauhan	6/7/05 0415
M.G. Bauhan	6/7/05 0915	Fed Ex	

SPECIAL INSTRUCTIONS

LABORATORY SECTION — **RECEIVED BY** Ryan Scheib — **TITLE** — **DATE/TIME** 6-8-2005 / 0900

FINAL SAMPLE DISPOSITION — **DISPOSAL METHOD** — **DISPOSED BY** — **DATE/TIME**

A-6003-618(03/03)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-025-016 PAGE 1 OF 1

COLLECTOR: GENT, PM	COMPANY CONTACT: TRENT, SJ	TELEPHONE NO.: 373-5869	PROJECT COORDINATOR: TRENT, SJ
SAMPLING LOCATION: Z-9 Trench, EM1770 Task 3	PROJECT DESIGNATION: Carbon Tetrachloride Passive Soil Gas Sampling		SAF NO.: F05-025
ICE CHEST NO.: Seal # 00424534	FIELD LOGBOOK NO.	COA: 119152E520	METHOD OF SHIPMENT: FEDERAL EXPRESS
SHIPPED TO: Beacon Environmental Services	OFFSITE PROPERTY NO.: 50 PTR 15675		BILL OF LADING/AIR BILL NO.: 50 PTR 15675

PRICE CODE: 9N — DATA TURNAROUND: 45 Days / 45 Days

AIR QUALITY:

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C
TYPE OF CONTAINER	EMFLUX Cartridge
NO. OF CONTAINER(S)	1
VOLUME	5g
SAMPLE ANALYSIS	VOA - 8260B (Emflux);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1D883	OTHER SOLID	6/1/05	1440	X							
B1D884	OTHER SOLID	6/1/05	1442	X							
B1D885	OTHER SOLID	6/1/05	2400	X							
B1D886	OTHER SOLID	6/1/05	2400	X							
B1D887	OTHER SOLID	6/1/05	2400	X							

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT/[illegible]	6/1/05 1600	FRIG #1	6/1/05 1600
MO. Fed Ex	6/7/05 0915	M.H. Daucher/M.G. Daucher	6/7/05 0915
M.H. Daucher/M.G. Daucher	6/7/05 0915	Fed Ex	

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

LABORATORY SECTION — RECEIVED BY: Ryan Scheil — TITLE — DATE/TIME: 6-8-2005 / 0900

FINAL SAMPLE DISPOSITION — DISPOSAL METHOD — DISPOSED BY — DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F05-025-017	PAGE 1 OF 1
COLLECTOR GENT, PM	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 9N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION Z-9 Trench, EM1770 Task 3	**PROJECT DESIGNATION** Carbon Tetrachloride Passive Soil Gas Sampling		**SAF NO.** F05-025	**AIR QUALITY**	
ICE CHEST NO. Seal # 00424534	**FIELD LOGBOOK NO.**	**COA** 119152ES20	**METHOD OF SHIPMENT** FEDERAL EXPRESS		
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** SU PTR 15675		**BILL OF LADING/AIR BILL NO.** SU PTR 15675		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C
TYPE OF CONTAINER	EMFLUX Cartridge
NO. OF CONTAINER(S)	1
VOLUME	5g
SAMPLE ANALYSIS	VOA - 8260B (Emflux)

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1D888	OTHER SOLID	6/2/05	0818	X							
B1D889	OTHER SOLID	6/2/05	0820	X							
B1D890	OTHER SOLID	6/2/05	0822	X							
B1D891	OTHER SOLID	6/2/05	0826	X							
B1D892	OTHER SOLID	6/2/05	0828	X							

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT	6/2/05 1400	FRIG #1	6/2/05 1400
M.C. Barlow	6/3/05 0915	M.C. Barlow	6/3/05 0915
M.C. Barlow	6/3/05 0915	Fed Ex	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
	Ryan Soheida		6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-025-018	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	9N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
Z-9 Trench, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling	F05-025	--

ICE CHEST NO.	FIELD LOGBOOK NO.	COA	METHOD OF SHIPMENT
Seal # 00424534		119152ES20	FEDERAL EXPRESS

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Beacon Environmental Services	24590 PTR 15675	24590 PTR 15675

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C											
TYPE OF CONTAINER	EMFLUX Cartridge											
NO. OF CONTAINER(S)	1											
VOLUME	5g											
SAMPLE ANALYSIS	VOA - 8260B (Emflux);											

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1D893	OTHER SOLID	6/2/05	0830	X								
B1D894	OTHER SOLID	6/2/05	0833	X								
B1D895	OTHER SOLID	6/2/05	0835	X								
B1D896	OTHER SOLID	6/2/05	0836	X								
B1D897	OTHER SOLID	6/2/05	0838	X								

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PMGENT/Emflux	6/2/05 1400	FRIG #1	6/2/05 1400
M.A. Bauchhagen	6/7/05 0915	M.A. Bauchhagen	6/7/05 0915
M.A. Bauchhagen	6/7/05 0915	FED EX	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
	Ryan Scheidt		6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(03/03)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-025-019 PAGE 1 OF 1

COLLECTOR GENT, PM	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ
PRICE CODE 9N	**DATA TURNAROUND** 45 Days / 45 Days		
SAMPLING LOCATION Z-9 Trench, EM1770 Task 3	**PROJECT DESIGNATION** Carbon Tetrachloride Passive Soil Gas Sampling		**SAF NO.** F05-025
AIR QUALITY			
ICE CHEST NO. Seal # 00424534	**FIELD LOGBOOK NO.**	**COA** 119152ES20	**METHOD OF SHIPMENT** FEDERAL EXPRESS
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** 24 PTR 15675		**BILL OF LADING/AIR BILL NO.** 24 PTR 15675

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C
TYPE OF CONTAINER	EMFLUX Cartridge
NO. OF CONTAINER(S)	1
VOLUME	5g
SAMPLE ANALYSIS	VOA - 8260B (Emflux)

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1D898	OTHER SOLID	6/2/05	0840	X
B1D899	OTHER SOLID	6/2/05	0841	X
B1D8B0	OTHER SOLID	6/2/05	0843	X
B1D8B1	OTHER SOLID	6/2/05	0844	X
B1D8B2	OTHER SOLID	6/2/05	0846	X

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT	6/2/05 1400	FRIG #1	6/2/05 1400
MD-326	6/7/05 0915	M.H. Barker/M.L. Barker	6/7/05 0915
M.H. Barker/M.L. Barker	6/7/05 0915	Lab EX	

SPECIAL INSTRUCTIONS

LABORATORY SECTION — RECEIVED BY: Ryan Scheid — TITLE — DATE/TIME: 6-8-2005 / 0900

FINAL SAMPLE DISPOSITION — DISPOSAL METHOD — DISPOSED BY — DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F05-025-020 | PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	9N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
Z-9 Trench, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling	F05-025	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	COA	METHOD OF SHIPMENT
Seal # 00424574		119152E520	FEDERAL EXPRESS

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Beacon Environmental Services	SW PTR 15675	SW PTR 15675

MATRIX*: A=Air; DL=Drum Liquids; DS=Drum Solids; L=Liquid; O=Oil; S=Soil; SE=Sediment; T=Tissue; V=Vegitation; W=Water; WI=Wipe; X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C
TYPE OF CONTAINER	EMFLUX Cartridge
NO. OF CONTAINER(S)	1
VOLUME	5g
SAMPLE ANALYSIS	VOA - 8260B (Emflux);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1D8B3	OTHER SOLID	6/2/05	0847	X
B1D8B4	OTHER SOLID	6/2/05	0851	X
B1D8B5	OTHER SOLID	6/2/05	0852	X
B1D8B6	OTHER SOLID	6/2/05	0854	X
B1D8B7	OTHER SOLID	6/2/05	0855	X

CHAIN OF POSSESSION	SIGN/ PRINT NAMES	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM: PM GENT — DATE/TIME: 6/2/05 1400	RECEIVED BY/STORED IN: FRIG #6 — DATE/TIME: 6/2/05 1400	
RELINQUISHED BY/REMOVED FROM: MO-024 RYI — DATE/TIME: 6/7/05 0915	RECEIVED BY/STORED IN: M.A. Bauchelw M.A. Bauchelw 6/7/05 0915	
RELINQUISHED BY/REMOVED FROM: M.A. Bauchelw M.A. Bauchelw 6/7/05 0915 — DATE/TIME	RECEIVED BY/STORED IN: Lab FX — DATE/TIME	
RELINQUISHED BY/REMOVED FROM — DATE/TIME	RECEIVED BY/STORED IN — DATE/TIME	
RELINQUISHED BY/REMOVED FROM — DATE/TIME	RECEIVED BY/STORED IN — DATE/TIME	
RELINQUISHED BY/REMOVED FROM — DATE/TIME	RECEIVED BY/STORED IN — DATE/TIME	
RELINQUISHED BY/REMOVED FROM — DATE/TIME	RECEIVED BY/STORED IN — DATE/TIME	

LABORATORY SECTION — RECEIVED BY: Ryan Scheidler — TITLE — DATE/TIME: 6-8-2005 / 0900

FINAL SAMPLE DISPOSITION — DISPOSAL METHOD — DISPOSED BY — DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-025-021 | PAGE 1 OF 1

COLLECTOR GENT, PM	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ
SAMPLING LOCATION Z-9 Trench, EM1770 Task 3	**PROJECT DESIGNATION** Carbon Tetrachloride Passive Soil Gas Sampling		**SAF NO.** F05-025
ICE CHEST NO. Zeal # 00424534	**FIELD LOGBOOK NO.**	**COA** 119152ES20	**METHOD OF SHIPMENT** FEDERAL EXPRESS
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** 24 PTR 15675		**BILL OF LADING/AIR BILL NO.** 24 PTR 15675

PRICE CODE 9N | **AIR QUALITY** ☐ | **DATA TURNAROUND** 45 Days / 45 Days

MATRIX*: A=Air; DL=Drum Liquids; DS=Drum Solids; L=Liquid; O=Oil; S=Soil; SE=Sediment; T=Tissue; V=Vegitation; W=Water; WI=Wipe; X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C
TYPE OF CONTAINER	EMFLUX Cartridge
NO. OF CONTAINER(S)	1
VOLUME	5g
SAMPLE ANALYSIS	VOA - 8260B (Emflux);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1D8B8	OTHER SOLID	6/2/05	0857	X
B1D8B9	OTHER SOLID	6/2/05	0901	X
B1D8C0	OTHER SOLID	6/2/05	0902	X
B1D8C1	OTHER SOLID	6/2/05	0904	X
B1D8C2	OTHER SOLID	6/2/05	0906	X

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT	6/2/05 1408	ERG #1	6/2/05 1408
M.H. Barnett	6/7/05 0915	M.H. Barnett	6/7/05 0915
M.H. Barnett	6/7/05 0915	Fed Ex	

SPECIAL INSTRUCTIONS

LABORATORY SECTION — RECEIVED BY: Ryan Scheid — TITLE — DATE/TIME: 6-8-2005 / 0900

FINAL SAMPLE DISPOSITION — DISPOSAL METHOD — DISPOSED BY — DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-025-022

COLLECTOR GENT, PM	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ
SAMPLING LOCATION Z-9 Trench, EM1770 Task 3	**PROJECT DESIGNATION** Carbon Tetrachloride Passive Soil Gas Sampling		**SAF NO.** F05-025
ICE CHEST NO. Seal # 00424534	**FIELD LOGBOOK NO.**	**COA** 119152ES20	**METHOD OF SHIPMENT** FEDERAL EXPRESS
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** Su PTR 15275		**BILL OF LADING/AIR BILL NO.** Su PTR 15275

PRICE CODE 9N **AIR QUALITY** ☐ **DATA TURNAROUND** 45 Days / 45 Days

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C													
TYPE OF CONTAINER	EMFLUX Cartridge													
NO. OF CONTAINER(S)	1													
VOLUME	5g													
SAMPLE ANALYSIS	VOA - 8260B (Enflex);													

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME											
B1D8C3	OTHER SOLID	6/2/05	0903	X										
B1D8C4	OTHER SOLID			X										

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT	6/2/05 1400	FRIG #1	6/2/05 1400
MD-026 RTN	6/7/05 0915	M.H. Barker M.G. Bauchman	6/7/05 0915
M.H. Barker M.G. Bauchman	6/7/05 0915	Fed EX	

SPECIAL INSTRUCTIONS

LABORATORY SECTION — RECEIVED BY: Ryan Scheid — TITLE — DATE/TIME: 6-8-2005 / 0900

FINAL SAMPLE DISPOSITION — DISPOSAL METHOD — DISPOSED BY — DATE/TIME

A-6003-618(03/03)

CHAIN-OF-CUSTODY
PASSIVE SOIL-GAS SAMPLES

Project Information	
Beacon Project No.:	EM1770 Task 3
Site Name:	216-Z-Trench
Site Location:	200-PW-1 OU, Hanford, WA
Analytical Method:	EPA Method 8260B
Target Compounds:	Beacon Project Number EM1770 Target Compound List

BEACON ENVIRONMENTAL SERVICES, INC.
323 Williams Street, Suite D, Del Air, MD 21014, 800-878-5510

Client Information	
Company Name:	Fluor Hanford, Inc.
Office Location:	Richland, WA
Samples Submitted By:	
Contact Phone No.:	

Field Sample ID	Lab Sample ID (for lab use only)	Comments (only necessary if problem or discrepancy)			
		Condition of sample or vial	Date	Time	Initial
Trip-3					
Trip-4					
Trip-5					

Shipment of Field Kit to Site — Custody Seal # 00424509 Intact? (Y) N

Relinquished by:	Date/Time	Courier	Received by:	Date/Time
Ryan Scheid	5-19-2005 / 1700	FedEx	Phillip Best	23MAY05/1000

Shipment of Field Kit to Laboratory — Custody Seal # 00424534 Intact? (Y) N

Relinquished by:	Date/Time	Courier	Received by:	Date/Time
Phillip Best	6/7/05 0915	FED EX	Ryan Scheid	6-8-2005 / 0900

Page 1 of 1

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-025-001 | PAGE 1 OF 1

COLLECTOR GENT, PM	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ
SAMPLING LOCATION T-Plant, EM1770 Task 3	**PROJECT DESIGNATION** Carbon Tetrachloride Passive Soil Gas Sampling		**SAF NO.** F05-025
ICE CHEST NO. Seal # 00424532	**FIELD LOGBOOK NO.**	**COA** 119152ES20	**METHOD OF SHIPMENT** FEDERAL EXPRESS
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** See PTR 15675		**BILL OF LADING/AIR BILL NO.** See PTR 15675

PRICE CODE 9N | **AIR QUALITY** | **DATA TURNAROUND** 45 Days / 45 Days

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C
TYPE OF CONTAINER	EMFLUX Cartridge
NO. OF CONTAINER(S)	1
VOLUME	5g
SAMPLE ANALYSIS	VOA - 8260B (analyze);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1D817	OTHER SOLID	6/1/05	0943	X							
B1D818	OTHER SOLID	6/1/05	0951	X							
B1D819	OTHER SOLID	6/1/05	1030	X							
B1D820	OTHER SOLID	6/1/05	1035	X							
B1D821	OTHER SOLID	6/1/05	1040	X							

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT/PM Gent	6/1/05 1600	FR16 #1	6/1/05 1600
MO-024 Ryan	6/7/05 0845	M.G. Baucher	6/7/05 0845
M.G. Baucher M.G. Baucher	6/7/05 0845	FRO EX	

SPECIAL INSTRUCTIONS

LABORATORY SECTION — RECEIVED BY: Ryan Schreiber | TITLE | DATE/TIME: 6-8-2005 / 0900

FINAL SAMPLE DISPOSITION — DISPOSAL METHOD | DISPOSED BY | DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-025-002 PAGE 1 OF 1

COLLECTOR: GENT, PM	COMPANY CONTACT: TRENT, SJ	TELEPHONE NO.: 373-5869	PROJECT COORDINATOR: TRENT, SJ
SAMPLING LOCATION: T-Plant, EM1770 Task 3	PROJECT DESIGNATION: Carbon Tetrachloride Passive Soil Gas Sampling		SAF NO.: F05-025
ICE CHEST NO.: Cool # 00424532	FIELD LOGBOOK NO.	COA: 119152ES20	METHOD OF SHIPMENT: FEDERAL EXPRESS
SHIPPED TO: Beacon Environmental Services	OFFSITE PROPERTY NO.: SU PTR 15675		BILL OF LADING/AIR BILL NO.: SU PTR 15675

PRICE CODE: 9N

AIR QUALITY: ☐

DATA TURNAROUND: 45 Days / 45 Days

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C
TYPE OF CONTAINER	EMFLUX Cartridge
NO. OF CONTAINER(S)	1
VOLUME	5g
SAMPLE ANALYSIS	VOA - 8260B (Emflux);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1D822	OTHER SOLID	6/1/05	1047	X
B1D823	OTHER SOLID	6/1/05	1051	X
B1D824	OTHER SOLID	6/1/05	1054	X
B1D825	OTHER SOLID	6/1/05	1057	X
B1D826	OTHER SOLID	6/1/05	1100	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PMGENT/	6/1/05 1600	FRIG #1	6/1/05 1600
[illegible]	6/7/05 0845	M.G. Bauhaus	6/7/05 0845
M.G. Bauhaus	6/7/05 0845	[illegible]	

SPECIAL INSTRUCTIONS

LABORATORY SECTION — RECEIVED BY: Ryan Scheid — TITLE — DATE/TIME: 6-8-2005 / 0900

FINAL SAMPLE DISPOSITION — DISPOSAL METHOD — DISPOSED BY — DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-025-003 PAGE 1 OF 1

COLLECTOR: GENT, PM	COMPANY CONTACT: TRENT, SJ	TELEPHONE NO.: 373-5869	PROJECT COORDINATOR: TRENT, SJ
SAMPLING LOCATION: T-Plant, EM1770 Task 3	PROJECT DESIGNATION: Carbon Tetrachloride Passive Soil Gas Sampling		SAF NO.: F05-025
ICE CHEST NO.: Seal # 0024532	FIELD LOGBOOK NO.	COA: 119152ES20	METHOD OF SHIPMENT: FEDERAL EXPRESS
SHIPPED TO: Beacon Environmental Services	OFFSITE PROPERTY NO.: 34 PTK 15675		BILL OF LADING/AIR BILL NO.: 34 PTK 15675

PRICE CODE: 9N DATA TURNAROUND: 45 Days / 45 Days

AIR QUALITY:

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

| | | |

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-025-004 PAGE 1 OF 1

COLLECTOR: GENT, PM	COMPANY CONTACT: TRENT, SJ	TELEPHONE NO.: 373-5869	PROJECT COORDINATOR: TRENT, SJ
SAMPLING LOCATION: T-Plant, EM1770 Task 3	PROJECT DESIGNATION: Carbon Tetrachloride Passive Soil Gas Sampling		SAF NO.: F05-025
ICE CHEST NO.: Seal # 00424532	FIELD LOGBOOK NO.	COA: 119152ES20	METHOD OF SHIPMENT: FEDERAL EXPRESS
SHIPPED TO: Beacon Environmental Services	OFFSITE PROPERTY NO.: SU PTRC 15675		BILL OF LADING/AIR BILL NO.: SU PTRC 15675

PRICE CODE: 9N — DATA TURNAROUND: 45 Days / 45 Days

AIR QUALITY: —

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION: Cool 4C

TYPE OF CONTAINER: EMFLUX Cartridge

NO. OF CONTAINER(S): 1

VOLUME: Sg

SAMPLE ANALYSIS: VOA - 8260B (Emflux):

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1D832	OTHER SOLID	6/1/05	1201	X
B1D833	OTHER SOLID	6/1/05	1202	X
B1D834	OTHER SOLID	6/1/05	1206	X
B1D835	OTHER SOLID	6/1/05	1209	X
B1D836	OTHER SOLID	6/1/05	1212	X

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PM GENT/PM GENT	6/1/05 1600	FRIG #1	6/1/05 1600
M.A. BUCKLEY/M.A. BUCKLEY	6/7/05 0845	M.A. BUCKLEY/M.A. BUCKLEY	6/7/05 0845
M.A. BUCKLEY/M.A. BUCKLEY	6/8/05 0845	LAB	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY: Ryan Scheid	TITLE	DATE/TIME: 6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-025-005	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
GENT, PM	TRENT, SJ	373-5869	TRENT, SJ	9N	

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	
T-Plant, EM1770 Task 3	Carbon Tetrachloride Passive Soil Gas Sampling	F05-025		45 Days / 45 Days

ICE CHEST NO.	FIELD LOGBOOK NO.	COA	METHOD OF SHIPMENT
Seal # 00421532		119152ES20	FEDERAL EXPRESS

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Beacon Environmental Services	SU PTR 15675	SU PTR 15675

MATRIX*
A=Air
Dt=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C
TYPE OF CONTAINER	EMFLUX Cartridge
NO. OF CONTAINER(S)	1
VOLUME	5g
SAMPLE ANALYSIS	VOA - 8260B (Emflux);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1D837	OTHER SOLID	6/1/05	1217	X
B1D838	OTHER SOLID	6/1/05	1219	X
B1D839	OTHER SOLID	6/1/05	1222	X
B1D840	OTHER SOLID	6/1/05	1224	X
B1D841	OTHER SOLID	6/1/05	1226	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PMGENT	6/1/05 1600	FRIG #1	6/1/05 1600
[illegible]	6/7/05 0845	[illegible]	6/7/05 0845
[illegible]	[illegible]	Fed Ex	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
	Ryan Scheid		6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

25 01 33

A-6003-618(03/03)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-025-006 PAGE 1 OF 1

COLLECTOR: GENT, PM	COMPANY CONTACT: TRENT, SJ	TELEPHONE NO.: 373-5869	PROJECT COORDINATOR: TRENT, SJ
SAMPLING LOCATION: T-Plant, EM1770 Task 3	PROJECT DESIGNATION: Carbon Tetrachloride Passive Soil Gas Sampling		SAF NO.: F05-025
ICE CHEST NO.: Seal # 00424532	FIELD LOGBOOK NO.	COA: 119152ES20	METHOD OF SHIPMENT: FEDERAL EXPRESS
SHIPPED TO: Beacon Environmental Services	OFFSITE PROPERTY NO.: See PTR 15675		BILL OF LADING/AIR BILL NO.: See PTR 15675

PRICE CODE: 9N

DATA TURNAROUND: 45 Days / 45 Days

AIR QUALITY

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C
TYPE OF CONTAINER	EMFLUX Cartridge
NO. OF CONTAINER(S)	1
VOLUME	5g
SAMPLE ANALYSIS	VOA - 8260B (Emflux);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1D842	OTHER SOLID	6/1/05	1228	X
B1D843	OTHER SOLID	6/1/05	1233	X
B1D844	OTHER SOLID	6/1/05	1236	X
B1D845	OTHER SOLID	6/1/05	1236	X
B1D846	OTHER SOLID	6/1/05	1240	X

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
FM GENT / [signature]	6/1/05 1600	FRIG #1	6/1/05 1600
[illegible]	6/7/05 0945	M.H. Barker / M.H. Barker	6/7/05 0945
M.H. Barker / M.H. Barker	6/7/05 [illegible]	[illegible]	

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
	Ryan Scheidt		6-8-2005 / 0900
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-025-007 PAGE 1 OF 1

COLLECTOR: GENT, PM	COMPANY CONTACT: TRENT, SJ	TELEPHONE NO.: 373-5869	PROJECT COORDINATOR: TRENT, SJ
SAMPLING LOCATION: T-Plant, EM1770 Task 3	PROJECT DESIGNATION: Carbon Tetrachloride Passive Soil Gas Sampling		SAF NO.: F05-025
ICE CHEST NO.: Seal # 0424532	FIELD LOGBOOK NO.	COA: 119152ES20	METHOD OF SHIPMENT: FEDERAL EXPRESS
SHIPPED TO: Beacon Environmental Services	OFFSITE PROPERTY NO.: SU PTL 15675		BILL OF LADING/AIR BILL NO.: SU PTL 15675

PRICE CODE: 9N

DATA TURNAROUND: 45 Days / 45 Days

AIR QUALITY:

MATRIX*: A=Air; DL=Drum Liquids; DS=Drum Solids; L=Liquid; O=Oil; S=Soil; SE=Sediment; T=Tissue; V=Vegitation; W=Water; WI=Wipe; X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C
TYPE OF CONTAINER	EMFLUX Cartridge
NO. OF CONTAINER(S)	1
VOLUME	5g
SAMPLE ANALYSIS	VOA - 8260B (Emflux);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1D847	OTHER SOLID	6/1/05	1242	X									
B1D848	OTHER SOLID	6/1/05	1245	X									
B1D849	OTHER SOLID	6/1/05	2400	X									
B1D850	OTHER SOLID	6/1/05	2400	X									

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
PMGENT/	6/1/05 1600	FRIG #1	6/1/05 1600
FED EX	6/1/05 0845	M.G. Bauman	6/3/05 0845
M.G. Bauman	6/3/05 0845	FED EX	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

LABORATORY SECTION — RECEIVED BY: Ryan Scheidt — TITLE — DATE/TIME: 6-8-2005 / 0900

FINAL SAMPLE DISPOSITION — DISPOSAL METHOD — DISPOSED BY — DATE/TIME

27 of 33

A-6003-61B(03/03)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-025-008 | PAGE 1 OF 1

COLLECTOR GENT, PM	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ
SAMPLING LOCATION T-Plant, EM1770 Task 3	**PROJECT DESIGNATION** Carbon Tetrachloride Passive Soil Gas Sampling		**SAF NO.** F05-025
ICE CHEST NO. Sed # 0424532	**FIELD LOGBOOK NO.**	**COA** 119152E520	**METHOD OF SHIPMENT** FEDERAL EXPRESS
SHIPPED TO Beacon Environmental Services	**OFFSITE PROPERTY NO.** Sed PTL 15675		**BILL OF LADING/AIR BILL NO.** Sed PTL 15675

PRICE CODE 9N | **AIR QUALITY** | **DATA TURNAROUND** 45 Days / 45 Days

MATRIX*: A=Air; DL=Drum Liquids; OS=Drum Solids; L=Liquid; O=Oil; S=Soil; SE=Sediment; T=Tissue; V=Vegitation; W=Water; WI=Wipe; X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

| | | |

CHAIN-OF-CUSTODY
PASSIVE SOIL-GAS SAMPLES

Project Information	
Beacon Project No.:	EM1770 Task 3
Site Name:	T Plant
Site Location:	200-PW-1 OU, Hanford, WA
Analytical Method:	EPA Method 8260B
Target Compounds:	Beacon Project Number EM1770 Target Compound List

BEACON ENVIRONMENTAL SERVICES, INC.
323 Williams Street, Suite D, Bel Air, MD 21014, 800-878-5510

Client Information	
Company Name:	Fluor Hanford, Inc.
Office Location:	Richland, WA
Samples Submitted By:	
Contact Phone No.:	

Field Sample ID	Lab Sample ID (for lab use only)	Comments (only necessary if problem or discrepancy)			
		Condition of sample or vial	Date	Time	Initial
Trip-6					
Trip-7					

Shipment of Field Kit to Site — Custody Seal # 00424529 Intact? (Y) N

Relinquished by:	Date/Time	Courier	Received by:	Date/Time
Ryan Schmid	5-19-2005 / 1700	FedEx	Philip Dent	23MAY05 / 1000

Shipment of Field Kit to Laboratory — Custody Seal # 00424532 Intact? (Y) N

Relinquished by:	Date/Time	Courier	Received by:	Date/Time
Philip Dent	6/7/05 0845	Fed Ex	Ryan Schmid	6-8-2005 / 0900

Sample Receipt Logs

BEACON ENVIRONMENTAL SERVICES, INC

123 Williams Street, Suite H, Bel Air, MD 21014, 800-876-5508

Beacon Environmental Services, Inc.
Sample Receipt Log
2005

DATE	Lab Sample ID	Lab Batch No.	Field Sample ID	Analytical Method	Comments	Sample Received By
June 8, 2005	1799 SG-12	EM1799	SG-12	8260B	Bag 1	RWS Ryan Scheid
June 8, 2005	1799 SG-13	EM1799	SG-13	8260B	Bag 1	RWS
June 8, 2005	1799 SG-14	EM1799	SG-14	8260B	Bag 1	RWS
June 8, 2005	1799 SG-15	EM1799	SG-15	8260B	Bag 1	RWS
June 8, 2005	1799 SG-16	EM1799	SG-16	8260B	Bag 1	RWS
June 8, 2005	1799 SG-17	EM1799	SG-17	8260B	Bag 1	RWS
June 8, 2005	1799 SG-18	EM1799	SG-18	8260B	Bag 1	RWS
June 8, 2005	1799 SG-20	EM1799	SG-20	8260B	Bag 1	RWS
June 8, 2005	1799 SG-21	EM1799	SG-21	8260B	Bag 1	RWS Ryan Scheid
June 8, 2005	1770 B1D817	EM1770 Task 3	B1D817	8260B	In Bag with Trip-6	RWS Ryan Scheid
June 8, 2005	1770 B1D818	EM1770 Task 3	B1D818	8260B	In Bag with Trip-6	RWS
June 8, 2005	1770 B1D819	EM1770 Task 3	B1D819	8260B	In Bag with Trip-6	RWS
June 8, 2005	1770 B1D820	EM1770 Task 3	B1D820	8260B	In Bag with Trip-6	RWS
June 8, 2005	1770 B1D821	EM1770 Task 3	B1D821	8260B	In Bag with Trip-6	RWS
June 8, 2005	1770 B1D822	EM1770 Task 3	B1D822	8260B	In Bag with Trip-6	RWS
June 8, 2005	1770 B1D823	EM1770 Task 3	B1D823	8260B	In Bag with Trip-7	RWS
June 8, 2005	1770 B1D824	EM1770 Task 3	B1D824	8260B	In Bag with Trip-6	RWS
June 8, 2005	1770 B1D825	EM1770 Task 3	B1D825	8260B	In Bag with Trip-6	RWS
June 8, 2005	1770 B1D826	EM1770 Task 3	B1D826	8260B	In Bag with Trip-7	RWS
June 8, 2005	1770 B1D827	EM1770 Task 3	B1D827	8260B	In Bag with Trip-7	RWS
June 8, 2005	1770 B1D828	EM1770 Task 3	B1D828	8260B	In Bag with Trip-7	RWS
June 8, 2005	1770 B1D829	EM1770 Task 3	B1D829	8260B	In Bag with Trip-7	RWS
June 8, 2005	1770 B1D830	EM1770 Task 3	B1D830	8260B	In Bag with Trip-7	RWS
June 8, 2005	1770 B1D831	EM1770 Task 3	B1D831	8260B	In Bag with Trip-7	RWS
June 8, 2005	1770 B1D832	EM1770 Task 3	B1D832	8260B	In Bag with Trip-7	RWS
June 8, 2005	1770 B1D833	EM1770 Task 3	B1D833	8260B	In Bag with Trip-6	RWS
June 8, 2005	1770 B1D834	EM1770 Task 3	B1D834	8260B	In Bag with Trip-7	RWS
June 8, 2005	1770 B1D835	EM1770 Task 3	B1D835	8260B	In Bag with Trip-7	RWS
June 8, 2005	1770 B1D836	EM1770 Task 3	B1D836	8260B	In Bag with Trip-6	RWS
June 8, 2005	1770 B1D837	EM1770 Task 3	B1D837	8260B	In Bag with Trip-7	RWS
June 8, 2005	1770 B1D838	EM1770 Task 3	B1D838	8260B	In Bag with Trip-7	RWS
June 8, 2005	1770 B1D839	EM1770 Task 3	B1D839	8260B	In Bag with Trip-7	RWS
June 8, 2005	1770 B1D840	EM1770 Task 3	B1D840	8260B	In Bag with Trip-6	RWS
June 8, 2005	1770 B1D841	EM1770 Task 3	B1D841	8260B	In Bag with Trip-7	RWS
June 8, 2005	1770 B1D842	EM1770 Task 3	B1D842	8260B	In Bag with Trip-7	RWS
June 8, 2005	1770 B1D843	EM1770 Task 3	B1D843	8260B	In Bag with Trip-6	RWS
June 8, 2005	1770 B1D844	EM1770 Task 3	B1D844	8260B	In Bag with Trip-7	RWS
June 8, 2005	1770 B1D845	EM1770 Task 3	B1D845	8260B	In Bag with Trip-7	RWS
June 8, 2005	1770 B1D846	EM1770 Task 3	B1D846	8260B	In Bag with Trip-7	RWS
June 8, 2005	1770 B1D847	EM1770 Task 3	B1D847	8260B	In Bag with Trip-7	RWS Ryan Scheid

BEACON ENVIRONMENTAL SERVICES, INC.

Beacon Environmental Services, Inc.
Sample Receipt Log
2005

DATE	Lab Sample ID	Lab Batch No.	Field Sample ID	Analytical Method	Comments	Sample Received By
June 8, 2005	1770 B1D848	EM1770 Task 3	B1D848	8260B	In Bag with Trip-6	RWS Ryan Schick
June 8, 2005	1770 B1D849	EM1770 Task 3	B1D849	8260B	Trip-7	RWS
June 8, 2005	1770 B1D850	EM1770 Task 3	B1D850	8260B	Trip-6	RWS
June 8, 2005	1770 B1D853	EM1770 Task 3	B1D853	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D854	EM1770 Task 3	B1D854	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D855	EM1770 Task 3	B1D855	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D856	EM1770 Task 3	B1D856	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D857	EM1770 Task 3	B1D857	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D858	EM1770 Task 3	B1D858	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D859	EM1770 Task 3	B1D859	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D860	EM1770 Task 3	B1D860	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D861	EM1770 Task 3	B1D861	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D862	EM1770 Task 3	B1D862	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D863	EM1770 Task 3	B1D863	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D864	EM1770 Task 3	B1D864	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D865	EM1770 Task 3	B1D865	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D866	EM1770 Task 3	B1D866	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D867	EM1770 Task 3	B1D867	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D868	EM1770 Task 3	B1D868	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D869	EM1770 Task 3	B1D869	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D870	EM1770 Task 3	B1D870	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D871	EM1770 Task 3	B1D871	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D872	EM1770 Task 3	B1D872	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D873	EM1770 Task 3	B1D873	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D874	EM1770 Task 3	B1D874	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D875	EM1770 Task 3	B1D875	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D876	EM1770 Task 3	B1D876	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D877	EM1770 Task 3	B1D877	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D878	EM1770 Task 3	B1D878	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D879	EM1770 Task 3	B1D879	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D880	EM1770 Task 3	B1D880	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D881	EM1770 Task 3	B1D881	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D882	EM1770 Task 3	B1D882	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D883	EM1770 Task 3	B1D883	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D884	EM1770 Task 3	B1D884	8260B	In Bag with Trip-3	RWS
June 8, 2005	1770 B1D885	EM1770 Task 3	B1D885	8260B	Trip-3	RWS
June 8, 2005	1770 B1D886	EM1770 Task 3	B1D886	8260B	Trip-4	RWS
June 8, 2005	1770 B1D887	EM1770 Task 3	B1D887	8260B	Trip-5	RWS
June 8, 2005	1770 B1D888	EM1770 Task 3	B1D888	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D889	EM1770 Task 3	B1D889	8260B	In Bag with Trip-4 and Trip-5	RWS Ryan Schick

BEACON ENVIRONMENTAL SERVICES, INC.

Beacon Environmental Services, Inc.
Sample Receipt Log
2005

DATE	Lab Sample ID	Lab Batch No.	Field Sample ID	Analytical Method	Comments	Sample Received By
June 8, 2005	1770 B1D890	EM1770 Task 3	B1D890	8260B	In Bag with Trip-4 and Trip-5	RWS Ryan Sheridan
June 8, 2005	1770 B1D891	EM1770 Task 3	B1D891	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D892	EM1770 Task 3	B1D892	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D893	EM1770 Task 3	B1D893	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D894	EM1770 Task 3	B1D894	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D895	EM1770 Task 3	B1D895	8260B	In Bag with no Trip Blanks	RWS
June 8, 2005	1770 B1D896	EM1770 Task 3	B1D896	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D897	EM1770 Task 3	B1D897	8260B	In Bag with no Trip Blanks	RWS
June 8, 2005	1770 B1D898	EM1770 Task 3	B1D898	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D899	EM1770 Task 3	B1D899	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D8B0	EM1770 Task 3	B1D8B0	8260B	In Bag with no Trip Blanks	RWS
June 8, 2005	1770 B1D8B1	EM1770 Task 3	B1D8B1	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D8B2	EM1770 Task 3	B1D8B2	8260B	In Bag with no Trip Blanks	RWS
June 8, 2005	1770 B1D8B3	EM1770 Task 3	B1D8B3	8260B	In Bag with no Trip Blanks	RWS
June 8, 2005	1770 B1D8B4	EM1770 Task 3	B1D8B4	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D8B5	EM1770 Task 3	B1D8B5	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D8B6	EM1770 Task 3	B1D8B6	8260B	In Bag with no Trip Blanks	RWS
June 8, 2005	1770 B1D8B7	EM1770 Task 3	B1D8B7	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D8B8	EM1770 Task 3	B1D8B8	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D8B9	EM1770 Task 3	B1D8B9	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D8C0	EM1770 Task 3	B1D8C0	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D8C1	EM1770 Task 3	B1D8C1	8260B	In Bag with Trip-4 and Trip-5	RWS
June 8, 2005	1770 B1D8C2	EM1770 Task 3	B1D8C2	8260B	In Bag with no Trip Blanks	RWS
June 8, 2005	1770 B1D8C3	EM1770 Task 3	B1D8C3	8260B	In Bag with Trip-4 and Trip-5	RWS Ryan Sheridan
June 9, 2005	1796 Trip-1	EM1796	Trip-1	8260B		RWS Ryan Sheridan
June 9, 2005	1796 Trip-2	EM1796	Trip-2	8260B		RWS
June 9, 2005	1796 PSG-12	EM1796	PSG-12	8260B	In Bag with Trip-1	RWS
June 9, 2005	1796 PSG-20	EM1796	PSG-20	8260B	In Bag with Trip-1	RWS
June 9, 2005	1796 PSG-33	EM1796	PSG-33	8260B	In Bag with Trip-2 (Transport Vial)	RWS
June 9, 2005	1796 PSG-50	EM1796	PSG-50	8260B	In Bag with Trip-1	RWS
June 9, 2005	1796 PSG-46	EM1796	PSG-46	8260B	In Bag with Trip-2 (Transport Vial)	RWS
June 9, 2005	1796 PSG-30	EM1796	PSG-30	8260B	In Bag with Trip-1	RWS
June 9, 2005	1796 PSG-17	EM1796	PSG-17	8260B	In Bag with Trip-1	RWS
June 9, 2005	1796 PSG-34	EM1796	PSG-34	8260B	In Bag with Trip-2 (Transport Vial)	RWS
June 9, 2005	1796 PSG-31	EM1796	PSG-31	8260B	In Bag with Trip-2 (Transport Vial)	RWS
June 9, 2005	1796 PSG-47	EM1796	PSG-47	8260B	In Bag with Trip-2 (Transport Vial)	RWS
June 9, 2005	1796 PSG-33S	EM1796	PSG-33S	8260B	In Bag with Trip-1	RWS
June 9, 2005	1796 PSG-44	EM1796	PSG-44	8260B	In Bag with Trip-1	RWS
June 9, 2005	1796 PSG-37	EM1796	PSG-37	8260B	In Bag with Trip-1	RWS
June 9, 2005	1796 PSG-29	EM1796	PSG-29	8260B	In Bag with Trip-1	RWS Ryan Sheridan