FACSIMILE MEMORANDUM SHEET

BLYMYER ENGINEERS, INC.

Date: October 11, 1995

Job No.: 95048

Fax No.: 510-337-9335

TO: Eva Chu, ACHCSA

Subject: Draft site plans and analytical results
Winner Ford, 1650 Park Street, Alameda, CA

Comments: As we discussed, enclosed are the subject documents.

Samples GT-SP-1 and WOT-SP-1 are not shown on Figure 3 because each was collected from the gasoline UST stockpile and waste oil UST stockpile, respectively.

Please call with any questions or comments.

Need PSA

From: Deborah Underwood

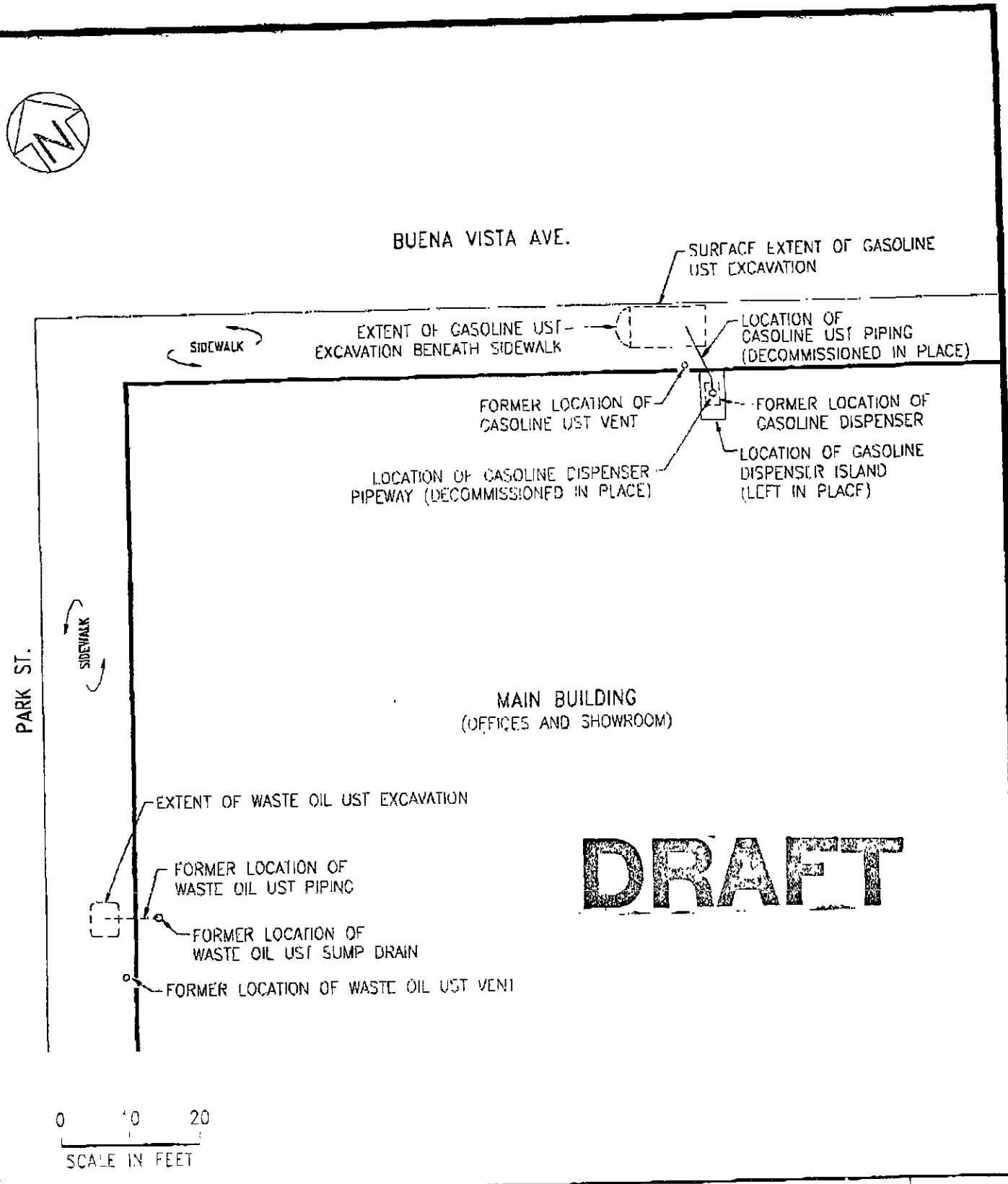
Total number of pages (including this memo) 33 Originals to be mailed ☐ YES ☒ NO

Carbon Copy:

If this transmission has not arrived as described or is not in legible condition, please contact Blymyer Engineers, Inc and we will re-transmit.

(510) 521-3773 1829 Clement Avenue, Alameda, CA 94501-1395 Fax (510) 865-2594

rev. 10/4/93



BLYMYER ENGINEERS, INC.

LEGEND
UST = UNDERGROUND STORAGE TANK

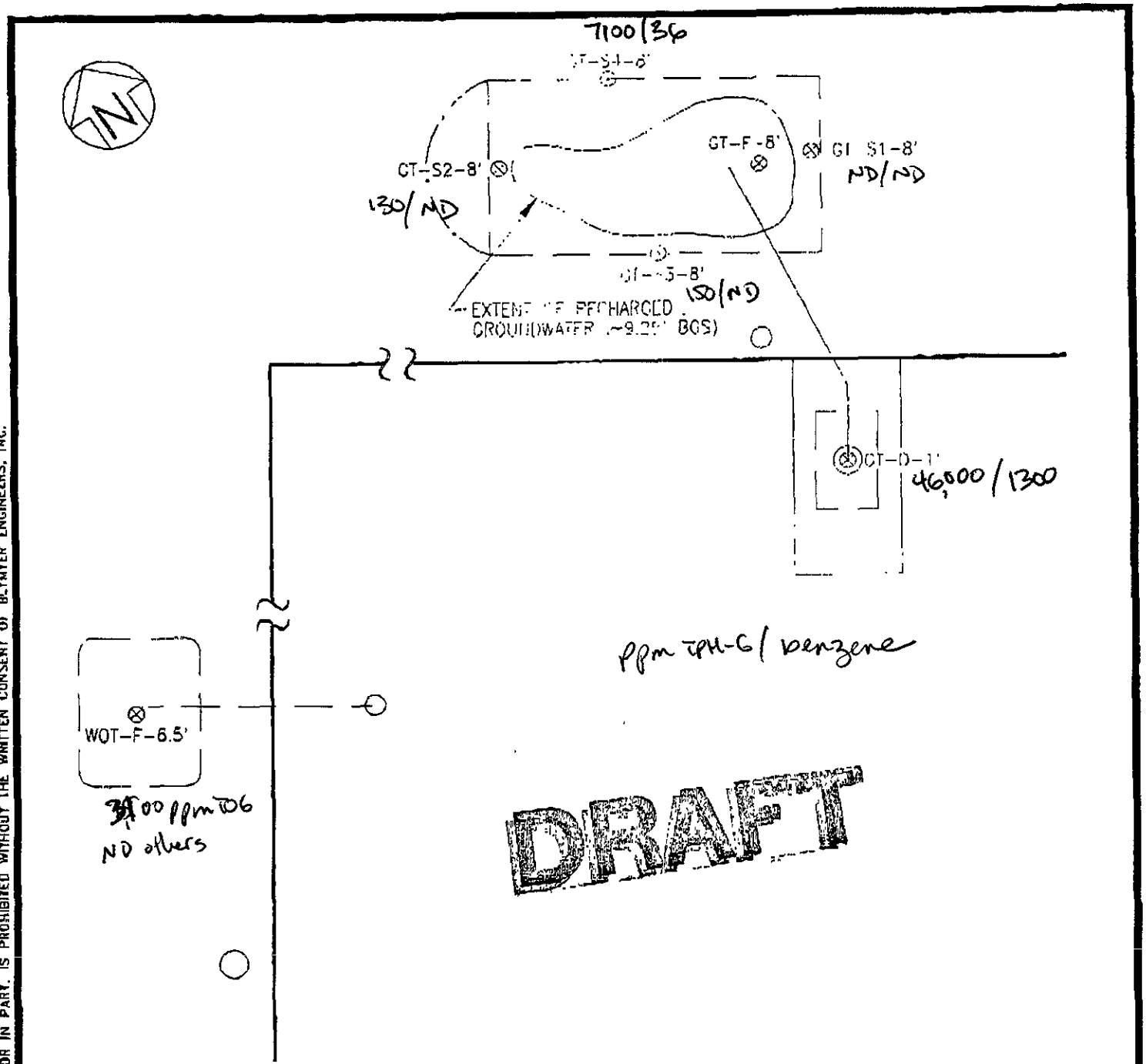
PARTIAL SITE PLAN
WINNER FORD
1650 PARK ST
ALAMEDA, CA

FIGURE 2

SEI JOB NO. 95048

DATE 9/18/95

REVISED 10/11/95 H:\PROJDC\ACADLW\950482



SEE FIGURE 4 FOR FURTHER EXPLANATION OF FEATURES

BLYMYER ENGINEERS, INC.

BEI JOB NO.	DATE
95048	9/18/95

LEGEND
BGS BELOW GRADE SURFACE
⊗ SOIL SAMPLE LOCATION

SOIL SAMPLE LOCATIONS
WINNER FORD
1650 PARK ST
ALAMEDA, CA

FIGURE 3

REVISED 10/11/95 H:\PUBLIC\ACAD\WP\95048

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

August 23, 1995

Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Dear Ms. Underwood:

Enclosed is the report for the nine (9) soil samples. The samples were received at Sparger Technology Analytical Lab on August 10, 1995.

The samples were received in nine (9) brass tubes. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

The report consists of the following sections:

I. Sample Description
II. Analysis Request
III. Quality Control Report
IV. Analysis Results

No problems were encountered with the analysis of your samples.

If you have questions, please feel free to call.

Sincerely,

R. L. James
Principal Chemist

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

I Sample Description

See attached Samples Description Information.

The samples were received under chain-of-custody.

II Analysis Request

The following analytical tests were requested:

Lab ID	Your ID	Analysis Description
ST95-08-525A	GT-S1-8'	TPHgas & BTEX
ST95-08-526A	GT-S2-8'	TPHgas & BTEX
ST95-08-527A	GT-S3-8'	TPHgas & BTEX
ST95-08-528A	GT-S4-8'	TPHgas & BTEX
ST95-08-529A	GT-F-8'	TPHgas & BTEX
ST95-08-530A	GT-D-1'	TPHgas & BTEX
ST95-08-531A	GT-SP-1	TPHgas & BTEX
ST95-08-532A	GT-SP-1	Total Lead
ST95-08-533A	WOT-SP-1	TPHgas & BTEX
ST95-08-534A	WOT-SP-1	8240
ST95-08-535A	WOT-SP-1	418.1
ST95-08-536A	WOT-SP-1	8270
ST95-08-537A	WOT-SP-1	17 CCR Metals (Total)
ST95-08-538A	WOT-F-6.5'	TPHgas & BTEX
ST95-08-539A	WOT-F-6.5'	TPHdiesel
ST95-08-540A	WOT-F-6.5'	8240
ST95-08-541A	WOT-F-6.5'	8270 incl. PNA, PCB,PCP, Creosote
ST95-08-542A	WOT-F-6.5'	418.1
ST95-08-543A	WOT-F-6.5'	5 LUFT Metals (Total)

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III Quality Control

A. **Project Specific QC.** No project specific QC (i.e., spikes and/or duplicates) was requested.

B. **Method Blank Results.** A method blank is a laboratory-generated sample which assesses the degree to which laboratory operations and procedures cause false-positive analytical results for your sample.

No target parameters were detected in the method blank associated with your sample at the reporting limit levels noted on the data sheets in the Analytical Results section.

C. **Laboratory Control Spike.** A Laboratory Control Spike (LCS) is a sample which is spiked with known analyte concentrations, and analyzed at approximately 10% of the sample load in order to establish method-specific control limits. The LCS results associated with your samples are on the attached Laboratory Control Spike and Laboratory Control Spike Duplicate Analysis Report.

D. **Matrix Spike Results.** A Matrix Spike is a sample which is spiked with known analyte concentrations, and analyzed at approximately 10% of the sample load in order to establish method-specific control limits. The Matrix Spike results associated with your samples are on the attached Matrix Spike and Matrix Spike Duplicate Analysis Report.

Accuracy is measured by Percent Recovery as in:

$$\% \text{ recovery} = \frac{(\text{measured concentration}) \times 100}{(\text{actual concentration})}$$

IV Analysis Results

Results are on the attached data sheets.

8020/8015 Modified Analysis Report
Project: Winner Ford (95048)

Sparger Technology, Inc.
With Automation in Mind
Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

ppm

Date Sampled: Aug 10, 1995
Date Received: Aug 10, 1995
Date Analyzed: Aug 15, 1995
Invoice #: 5299

Matrix: Soil

Unit = mg/kg

Lab ID	Client ID	B	Det. Limit	T	Det. Limit	E	Det. Limit	X	Det. Limit	TPHgas	Det. Limit	Surrogate % Recovery of Trifluorotoluene	Dilution 1:
ST95-08-525A	GT-S1-8'	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	1.0	63% *	1
ST95-08-526A	GT-S2-8'	ND	0.25	1.7	0.25	1.6	0.25	5.5	0.25	130	50	62% *	50
ST95-08-527A	GT-S3-8'	ND	0.25	1.8	0.25	1.6	0.25	5.6	0.25	150	50	110%	50
ST95-08-528A	GT-S4-8'	36	25	410	25	150	25	500	25	7100	5000	109%	5000
ST95-08-529A	GT-F-8'	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND **	100	75%	100
ST95-08-530A	GT-D-1'	1300	50	4400	50	1100	50	3400	50	46000	10000	104%	10000
ST95-08-531A	GT-SP-1	7.0	2.5	47	2.5	47	2.5	160	2.5	3700	500	96%	500
ST95-08-533A	WOT-SP-1	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	1.0	44% *	1
ST95-08-538A	WOT-F-6.5'	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	1.0	44% *	1

ppb = parts per billion = ug/L = micrograms per Liter
ppm = parts per million = mg/kg = milligrams per kilogram
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit

TOG - 3100ppm

* Surrogate recovery affected by sample matrix.

** Early eluting unknown hydrocarbon contaminant present; Recommend 8240.

R. L. James, Principal Chemist

Aug 17, 1995
Date Reported

3650 Fitch Court, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

Sparger Technology, Inc.
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Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8020 Modified Laboratory Control Spike (LCS) & Laboratory Control Spike Duplicate (LCSD) BTEX Analysis Report

Attention:	Ms. Debra Underwood Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501	Date Sampled: Date Received: Date Analyzed:	Aug 10, 1995 Aug 10, 1995 Aug 15, 1995
Project ID:	95048	Project Name:	Winner Ford
Client ID:	LCS/LCSD	LAB ID:	ST95-08-015 LCS ST95-08-015 LCSD
Matrix:	Soil	Dilution:	

Name	Conc. Spike Added	Sample Result	LCS Result	LCSD Result	Units	LCS % Recovery	LCSD % Recovery	% RPD Recovery
Benzene	30 ppb	ND	30	30	ug/kg	100%	100%	0%
Toluene	30 ppb	ND	30	29	ug/kg	100%	97%	3%
Ethylbenzene	30 ppb	ND	27	27	ug/kg	90%	90%	0%
Xylenes	30 ppb	ND	28	28	ug/kg	93%	93%	0%

Surrogate % Recovery of Trifluorotoluene = 98% LCS 96% LCSD

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm= parts per million = ug/g = micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit

R. L. James Principal Chemist

Aug 17, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1614)

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8020 Modified Matrix Spike (MS) & Matrix Spike Duplicate (MSD) BTEX Analysis Report

Attention:	Ms. Debra Underwood Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501	Date Sampled: Date Received: Date Analyzed:	Aug 10, 1995 Aug 10, 1995 Aug 15, 1995
Project ID:	95048	Project Name:	Winner Ford
Client ID:	MS/MSD (Batch)	LAB ID:	ST95-08-788A MS ST95-08-788A MSD
Matrix:	Soil	Dilution:	

Name	Conc. Spike Added	Sample Result	MS Result	MSD Result	Units	MS % Recovery	MSD % Recovery	% RPD Recovery
Benzene	30 ppb	ND	30	30	ug/kg	100%	100%	0%
Toluene	30 ppb	ND	30	28	ug/kg	100%	93%	7%
Ethylbenzene	30 ppb	ND	29	28	ug/kg	97%	93%	4%
Xylenes	30 ppb	ND	28	29	ug/kg	93%	97%	4%

Surrogate % Recovery of Trifluorotoluene = 98% MS 96% MSD

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm= parts per million = ug/g = micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit

R. L. James Principal Chemist

Aug 17, 1995
DATE

SPARGER TECHNOLOGY ANALYTICAL LABORATORY INC IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No 1614)

Sparger Technology, Inc.
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Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Metal
EPA Method 6010

Attention:	Ms. Debra Underwood Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501	Date Sampled: Date Received: Date Analyzed:	Aug 10, 1995 Aug 10, 1995 Aug 15, 1995
Project #:	95048	Project Name:	Winner Ford
Client ID:	GT-SP-1	LAB ID:	ST95-08-532A
Matrix:	Soil	Dilution:	

Name	Amount	Reporting Limit	Units
Lead (Pb)	11	1.0	mg/Kg

ppm= parts per million = mg/Kg = milligram per Kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Aug 16, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY INC IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

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Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Metals, CAM 17
EPA Method 6010/7000 Modified

Attention:	Ms. Debra Underwood Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501	Date Sampled: Date Received: Date Analyzed:	Aug 10, 1995 Aug 10, 1995 Aug 14, 1995
Project #:	95048	Project Name:	Winner Ford
Client ID:	WOT-SP-1	LAB ID:	ST95-08-537A
Matrix:	Soil	Dilution:	

Name	Amount	Reporting Limit	Units
Antimony (Sb)	ND	6.0	mg/Kg
Arsenic (As)	ND	10	mg/Kg
Barium (Ba)	61	10	mg/Kg
Beryllium (Be)	ND	0.50	mg/Kg
Cadmium (Cd)	ND	0.50	mg/Kg
Chromium (Cr)	33	1.0	mg/Kg
Cobalt (Co)	5.2	5.0	mg/Kg
Copper (Cu)	7.2	2.5	mg/Kg
Lead (Pb)	38	1.0	mg/Kg
Mercury (Hg)	0.029	0.010	mg/Kg
Molybdenum (Mo)	ND	4.0	mg/Kg
Nickel (Ni)	22	4.0	mg/Kg
Selenium (Se)	ND	10	mg/Kg
Silver (Ag)	ND	1.0	mg/Kg
Thallium (Tl)	ND	10	mg/Kg
Vanadium (V)	24	5.0	mg/Kg
Zinc (Zn)	44	1.5	mg/Kg

ppm= parts per million = mg/Kg = milligram per Kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit

R. L. James, Principal Chemist

Aug 16, 1995
Date

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(Certification No. 1814)

Sparger Technology, Inc.
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Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Metals, CAM 5
EPA Method 6010

Attention:	Ms. Debra Underwood Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501	Date Sampled: Date Received: Date Analyzed:	Aug 10, 1995 Aug 10, 1995 Aug 14, 1995
Project #:	95048	Project Name:	Winner Ford
Client ID:	WOT-F-6.5'	LAB ID:	ST95-08-543A
Matrix:	Soil	Dilution:	

Name	Amount	Reporting Limit	Units
Cadmium (Cd)	ND	0.50	mg/Kg
Chromium (Cr)	ND	1.0	mg/Kg
Lead (Pb)	ND	1.0	mg/Kg
Nickel (Ni)	ND	4.0	mg/Kg
Zinc (Zn)	ND	1.5	mg/Kg

ppm= parts per million = mg/Kg = milligram per Kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit

NR = Not Requested

R. L. James, Principal Chemist

Aug 16, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1614)

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Metals, CAM 17 Soil
LCS / LCSD Recoveries

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug 10, 1995
Date Received: Aug 10, 1995
Date Analyzed: Aug 14, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: LCS/LCSD

LAB ID: 950811A

Matrix: Soil

Dilution:

Units: (mg/Kg)

Element	Spike Conc.	LCS	LCS % Recovery	LCSD	LCSD % Recovery	% RSD
Antimony (Sb)	50	55	110%	54	108%	2%
Arsenic (As)	50	52	104%	52	104%	0%
Barium (Ba)	50	57	114%	56	112%	2%
Beryllium (Be)	10	11	110%	10	100%	10%
Cadmium (Cd)	20	21	105%	21	105%	0%
Chromium (Cr)	50	54	108%	53	106%	2%
Cobalt (Co)	20	22	110%	22	110%	0%
Copper (Cu)	50	53	106%	53	106%	0%
Lead (Pb)	50	52	104%	52	104%	0%
Mercury (Hg)	0.050	0.046	92%	0.044	88%	4%
Molybdenum (Mo)	20	22	110%	22	110%	0%
Nickel (Ni)	50	52	104%	52	104%	0%
Selenium (Se)	50	54	108%	55	110%	2%
Silver (Ag)	5.0	5.3	106%	5.2	104%	2%
Thallium (Tl)	50	50	100%	50	100%	0%
Vanadium (V)	20	22	110%	22	110%	0%
Zinc (Zn)	50	52	104%	52	104%	0%

ppm= parts per million = mg/Kg = milligram per Kilogram
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit
NR = Not Requested

R. L. James, Principal Chemist

Aug 16, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1614)

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Metals, CAM 17 Soil
MS / MSD Recoveries

Attention:	Ms. Debra Underwood Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501	Date Sampled: Date Received: Date Analyzed:	Aug 10, 1995 Aug 10, 1995 Aug 14, 1995
Project #:	95048	Project Name:	Winner Ford
Client ID:	MS/MSD	LAB ID:	ST95-08-508A MS ST95-08-508A MSD
Matrix:	Soil	Dilution:	

Element	Sample Conc.	Spike Conc.	MS	MS % Recovery	MSD	MSD % Recovery	% RSD
Antimony (Sb)	ND	50	46	92%	42	84%	9%
Arsenic (As)	ND	50	48	96%	47	94%	2%
Barium (Ba)	140	50	110	BE	130	BE	BE
Beryllium (Be)	ND	10	10	100%	9.9	99%	1%
Cadmium (Cd)	ND	20	20	100%	19	95%	5%
Chromium (Cr)	30	50	68	76%	72	84%	10%
Cobalt (Co)	6.9	20	25	91%	25	91%	0%
Copper (Cu)	34	50	70	72%	64	60%	18%
Lead (Pb)	19	50	70	102%	63	88%	15%
Mercury (Hg)	0.029	0.050	0.092	126%	0.092	126%	0%
Molybdenum (Mo)	ND	20	20	100%	20	100%	0%
Nickel (Ni)	51	50	87	72%	89	76%	5%
Selenium (Se)	ND	50	44	88%	40	80%	10%
Silver (Ag)	ND	5	4.7	94%	4.6	92%	2%
Thallium (Tl)	ND	50	44	88%	43	86%	2%
Vanadium (V)	46	20	53	BE	53	BE	BE
Zinc (Zn)	49	50	84	70%	79	60%	15%

ppm= parts per million = mg/Kg = milligram per Kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

BE = Background in Excess

R. L. James, Principal Chemist

Aug 16, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8240 GCMS Analysis Report

Attention:	Ms. Debra Underwood Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501	Date Sampled: Date Received: Date Analyzed:	Aug. 10, 1995 Aug. 10, 1995 Aug. 16, 1995
Project #:	95048	Project Name:	Winner Ford
Client ID:	WOT-SP-1	LAB ID:	ST95-08-534A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
1,1 - Dichloroethane	ND	5.0	ug/kg
1,1 - Dichloroethene	ND	5.0	ug/kg
1,1,1 - Trichloroethane	ND	5.0	ug/kg
1,1,2 - Trichloroethane	ND	5.0	ug/kg
1,1,2,2 - Tetrachloroethane	ND	5.0	ug/kg
1,2 - Dichloroethane	ND	5.0	ug/kg
cis - 1,2 - Dichloroethene	ND	5.0	ug/kg
1,2 - Dichloropropane	ND	5.0	ug/kg
trans - 1,2 - Dichloroethene	ND	5.0	ug/kg
2 - Butanone	ND	10.0	ug/kg
2 - Hexanone	ND	10.0	ug/kg
4 - Methyl - 2 - pentanone	ND	10.0	ug/kg
Acetone	ND	25.0	ug/kg
Benzene	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	5.0	ug/kg
Carbon disulfide	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chloroethane	ND	5.0	ug/kg
Chloroform	ND	5.0	ug/kg
Chloromethane	ND	5.0	ug/kg
cis - 1,3 - Dichloropropene	ND	5.0	ug/kg
Dibromochloromethane	ND	5.0	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8240 GCMS Analysis Report

Attention:	Ms. Debra Underwood Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501	Date Sampled: Date Received: Date Analyzed:	Aug. 10, 1995 Aug. 10, 1995 Aug. 16, 1995
Project #:	95048	Project Name:	Winner Ford
Client ID:	WOT-SP-1	LAB ID:	ST95-08-534A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
Ethyl benzene	ND	5.0	ug/kg
Methylene chloride	ND	10.0	ug/kg
Styrene	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Meta/Para-Xylenes	ND	5.0	ug/kg
Ortho-Xylenes	ND	5.0	ug/kg
trans - 1,3 - Dichloropropene	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Vinyl acetate	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
Surrogate % Recovery 1,2 - Dichloroethane d-4 =		95%	
Surrogate % Recovery Toluene d-8 =		*	
Surrogate % Recovery 4 - Bromofluorobenzene =		*	

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm= parts per million = ug/g= micrograms per gram
ND = Not Detected Compound(s) may be present at concentrations below the reporting limit

*** Loss of surrogate recovery due to matrix effect.**

R. L. James, Principal Chemist

Aug 17, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8240 GCMS Analysis Report

Attention:	Ms. Debra Underwood Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501	Date Sampled: Date Received: Date Analyzed:	Aug. 10, 1995 Aug. 10, 1995 Aug. 16, 1995
Project #:	95048	Project Name:	Winner Ford
Client ID:	WOT-F-6.5'	LAB ID:	ST95-08-540A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
1,1 - Dichloroethane	ND	5.0	ug/kg
1,1 - Dichloroethene	ND	5.0	ug/kg
1,1,1 - Trichloroethane	ND	5.0	ug/kg
1,1,2 - Trichloroethane	ND	5.0	ug/kg
1,1,2,2 - Tetrachloroethane	ND	5.0	ug/kg
1,2 - Dichloroethane	ND	5.0	ug/kg
cis - 1,2 - Dichloroethene	ND	5.0	ug/kg
1,2 - Dichloropropane	ND	5.0	ug/kg
trans - 1,2 - Dichloroethene	ND	5.0	ug/kg
2 - Butanone	ND	10.0	ug/kg
2 - Hexanone	ND	10.0	ug/kg
4 - Methyl - 2 - pentanone	ND	10.0	ug/kg
Acetone	ND	25.0	ug/kg
Benzene	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	5.0	ug/kg
Carbon disulfide	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chloroethane	ND	5.0	ug/kg
Chloroform	ND	5.0	ug/kg
Chloromethane	ND	5.0	ug/kg
cis - 1,3 - Dichloropropene	ND	5.0	ug/kg
Dibromochloromethane	ND	5.0	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8240 GCMS Analysis Report

Attention:	Ms. Debra Underwood Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501	Date Sampled: Date Received: Date Analyzed:	Aug. 10, 1995 Aug. 10, 1995 Aug. 16, 1995
Project #:	95048	Project Name:	Winner Ford
Client ID:	WOT-F-6.5'	LAB ID:	ST95-08-540A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
Ethyl benzene	ND	5 0	ug/kg
Methylene chloride	ND	10.0	ug/kg
Styrene	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Meta/Para-Xylenes	ND	5.0	ug/kg
Ortho-Xylenes	ND	5.0	ug/kg
trans - 1,3 - Dichloropropene	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Vinyl acetate	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
Surrogate % Recovery 1,2 - Dichloroethane d-4 =		90%	
Surrogate % Recovery Toluene d-8 =		*	
Surrogate % Recovery 4 - Bromofluorobenzene =		*	

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm= parts per million = ug/g= micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.
*** Loss of surrogate recovery due to matrix effect.**

R. L. James, Principal Chemist

Aug 17, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1614)

Sparger Technology, Inc.
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Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8240 GCMS Analysis Report
Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (LCSD)

Attention:	Ms. Debra Underwood Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501	Date Sampled: Date Received: Date Analyzed:	Aug. 10, 1995 Aug. 10, 1995 Aug. 16, 1995
Project #:	95048	Project Name:	Winner Ford
Client ID:	LCS/LCSD	LAB ID:	ST95-08-016 LCS ST95-08-016 LCSD
Matrix:	Soil	Dilution:	

UNITS = ug/kg

Compound	Sample Conc	Spike (ppb) Added	Spike Result	Dup. Result	Spike % Rec	Dup. % Rec	RPD	QC Limits RPD	QC Limits % Rec
1,1-Dichloroethene	ND	50	42	41	84%	82%	2%	22	59-172
Benzene	ND	50	46	47	92%	94%	2%	24	62-137
Trichloroethene	ND	50	44	45	88%	90%	2%	21	60-133
Toluene	ND	50	47	49	94%	98%	4%	21	59-139
Chlorobenzene	ND	50	46	48	92%	96%	4%	21	66-142

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm= parts per million = ug/g = micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit

R. L. James Principal Chemist

Aug 17, 1995
Date Reported

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8240 GCMS Analysis Report
Matrix Spike/Duplicate Spike

Attention:	Ms. Debra Underwood Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501	Date Sampled: Date Received: Date Analyzed:	Aug. 10, 1995 Aug. 10, 1995 Aug. 16, 1995
Project #:	95048	Project Name:	Winner Ford
Client ID:	Batch-MS/MSD	LAB ID:	ST95-08-343A MS ST95-08-343A MSD
Matrix:	Soil	Dilution:	

UNITS = ug/kg

Compound	Sample Conc	Spike (ppb) Added	Spike Result	Dup. Result	Spike % Rec	Dup. % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	ND	50	40	36	80%	72%	11%	22	59-172
Benzene	ND	50	50	44	100%	88%	13%	24	62-137
Trichloroethene	ND	50	46	42	92%	84%	9%	21	60-133
Toluene	ND	50	48	43	96%	86%	11%	21	59-139
Chlorobenzene	ND	50	49	43	98%	86%	13%	21	66-142

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm= parts per million = ug/g = micrograms per gram
ND = Not Detected Compound(s) may be present at concentrations below the detection limit

R L James, Principal Chemist

Aug 17, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

Sparger Technology, Inc.
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Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

EPA 418.1 Analysis Report

Attention:	Ms. Debra Underwood Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501	Date Sampled: Date Received: Date Analyzed:	Aug. 10, 1995 Aug. 10, 1995 Aug. 18, 1995
Project #:	95048	Project Name:	Winner Ford
Client ID:	WOT-SP-1	LAB ID:	ST95-08-535A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
Hydrocarbons	360	50	mg/kg

ppb = parts per billion = ug/kg = microgram per kilogram

ppm= parts per million = mg/kg = milligrams per kilogram

ND = Not Detected Compound(s) may be present at concentrations below the detection limit

R. L. James, Principal Chemist

Aug. 18, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certificate No. 1614)

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

EPA 418.1 Analysis Report

Attention:	Ms. Debra Underwood Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501	Date Sampled: Date Received: Date Analyzed:	Aug. 10, 1995 Aug. 10, 1995 Aug. 18, 1995
Project #:	95048	Project Name:	Winner Ford
Client ID:	WOT-F-6.5'	LAB ID:	ST95-08-542A
Matrix:	Soil	Dilution: 1:	10

Name	Amount	Reporting Limit	Units
Hydrocarbons	3100	500	mg/kg

ppb = parts per billion = ug/kg = microgram per kilogram

ppm= parts per million = mg/kg = milligrams per kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Aug. 18, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1614)

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8270 GCMS Analysis Report

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug. 10, 1995
Date Received: Aug. 10, 1995
Date Analyzed: Aug. 17, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: WOT-SP-1

LAB ID: ST95-08-536A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
1,2 - Dichlorobenzene	ND	330	ug/kg
1,2,4 - Trichlorobenzene	ND	330	ug/kg
1,3 - Dichlorobenzene	ND	330	ug/kg
1,4 - Dichlorobenzene	ND	330	ug/kg
2 - Chloronaphthalene	ND	330	ug/kg
2 - Chlorophenol	ND	330	ug/kg
2 - Methylnaphthalene	ND	330	ug/kg
2 - Methylphenol	ND	330	ug/kg
2 - Nitrophenol	ND	330	ug/kg
2,4 - Dichlorophenol	ND	330	ug/kg
2,4 - Dimethylphenol	ND	330	ug/kg
2,4 - Dinitrophenol	ND	1600	ug/kg
2,4 - Dinitrotoluene	ND	330	ug/kg
2,4,5 - Trichlorophenol	ND	1600	ug/kg
2,4,6 - Trichlorophenol	ND	330	ug/kg
2,6 - Dinitrotoluene	ND	330	ug/kg
2 - Nitroaniline	ND	1600	ug/kg
3,3' - Dichlorobenzidine	ND	660	ug/kg
3 - Nitroaniline	ND	1600	ug/kg
4 - Bromophenyl - phenylether	ND	330	ug/kg
4 - Chloro - 3 - Methylphenol	ND	330	ug/kg
4 - Chloroaniline	ND	330	ug/kg
4 - Methylphenol	ND	330	ug/kg
4 - Nitroaniline	ND	1600	ug/kg
4 - Nitrophenol	ND	1600	ug/kg
4,6 - Dinitro - 2 - Methylphenol	ND	1600	ug/kg
4 - Chlorophenyl - phenylether	ND	330	ug/kg
Acenaphthene	ND	330	ug/kg
Acenaphthylene	ND	330	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm= parts per million = ug/g= micrograms per gram

ND = Not Detected Compound(s) may be present at concentrations below the reporting limit

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8270 GCMS Analysis Report

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug. 10, 1995
Date Received: Aug. 10, 1995
Date Analyzed: Aug. 17, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: WOT-SP-1

LAB ID: ST95-08-536A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
Anthracene	ND	330	ug/kg
Benzo (a) Anthracene	ND	330	ug/kg
Benzo (a) Pyrene	ND	330	ug/kg
Benzo (b) Fluoranthene	ND	330	ug/kg
Benzo (g, h, i) Perylene	ND	330	ug/kg
Benzo (k) Fluoranthene	ND	330	ug/kg
Benzoic Acid	ND	1600	ug/kg
Benzyl Alcohol	ND	330	ug/kg
bis (- 2 - Chloroethoxy) Methane	ND	330	ug/kg
bis (- 2 - Chloroethyl) Ether	ND	330	ug/kg
bis (2 - chloroisopropyl) Ether	ND	330	ug/kg
bis (2 - Ethylhexyl) Phthalate	ND	330	ug/kg
Butylbenzylphthalate	ND	330	ug/kg
Chrysene	ND	330	ug/kg
Di - N - Butylphthalate	ND	330	ug/kg
Di - N - Octyl Phthalate	ND	330	ug/kg
Dibenz (a, h) Anthracene	ND	330	ug/kg
Dibenzofuran	ND	330	ug/kg
Diethylphthalate	ND	330	ug/kg
Dimethyl Phthalate	ND	330	ug/kg
Fluoranthene	ND	330	ug/kg
Fluorene	ND	330	ug/kg
Hexachlorobenzene	ND	330	ug/kg
Hexachlorobutadiene	ND	330	ug/kg
Hexachlorocyclopentadiene	ND	330	ug/kg
Hexachloroethane	ND	330	ug/kg
Indeno (1,2,3 - cd) Pyrene	ND	330	ug/kg
Isophorone	ND	330	ug/kg
N - Nitroso - Di - Propylamine	ND	330	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8270 GCMS Analysis Report

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug. 10, 1995
Date Received: Aug. 10, 1995
Date Analyzed: Aug. 17, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: WOT-SP-1

LAB ID: ST95-08-536A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
N - Nitrosodiphenylamine	ND	330	ug/kg
Naphthalene	ND	330	ug/kg
Nitrobenzene	ND	330	ug/kg
Pentachlorophenol	ND	1600	ug/kg
Phenanthrene	ND	330	ug/kg
Phenol	ND	330	ug/kg
Pyrene	ND	330	ug/kg

Surrogate % Recovery 2 - Fluorophenol =	72%
Surrogate % Recovery Phenol - d6 =	79%
Surrogate % Recovery Nitrobenzene - d5 =	84%
Surrogate % Recovery 2 - Fluorobiphenyl =	86%
Surrogate % Recovery 2,4,6 - Tribromophenol =	77%
Surrogate % Recovery Terphenyl - d14 =	84%

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm= parts per million = ug/g= micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

R L James, Principal Chemist

Aug 18, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1614)

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8270 GCMS Analysis Report

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug. 10, 1995
Date Received: Aug. 10, 1995
Date Analyzed: Aug. 17, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: WOT-F-6.5'

LAB ID: ST95-08-541A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
1,2 - Dichlorobenzene	ND	330	ug/kg
1,2,4 - Trichlorobenzene	ND	330	ug/kg
1,3 - Dichlorobenzene	ND	330	ug/kg
1,4 - Dichlorobenzene	ND	330	ug/kg
2 - Chloronaphthalene	ND	330	ug/kg
2 - Chlorophenol	ND	330	ug/kg
2 - Methylnaphthalene	ND	330	ug/kg
2 - Methylphenol	ND	330	ug/kg
2 - Nitrophenol	ND	330	ug/kg
2,4 - Dichlorophenol	ND	330	ug/kg
2,4 - Dimethylphenol	ND	330	ug/kg
2,4 - Dinitrophenol	ND	1600	ug/kg
2,4 - Dinitrotoluene	ND	330	ug/kg
2,4,5 - Trichlorophenol	ND	1600	ug/kg
2,4,6 - Trichlorophenol	ND	330	ug/kg
2,6 - Dinitrotoluene	ND	330	ug/kg
2 - Nitroaniline	ND	1600	ug/kg
3,3' - Dichlorobenzidine	ND	660	ug/kg
3 - Nitroaniline	ND	1600	ug/kg
4 - Bromophenyl - phenylether	ND	330	ug/kg
4 - Chloro - 3 - Methylphenol	ND	330	ug/kg
4 - Chloroaniline	ND	330	ug/kg
4 - Methylphenol	ND	330	ug/kg
4 - Nitroaniline	ND	1600	ug/kg
4 - Nitrophenol	ND	1600	ug/kg
4,6 - Dinitro - 2 - Methylphenol	ND	1600	ug/kg
4 - Chlorophenyl - phenylether	ND	330	ug/kg
Acenaphthene	ND	330	ug/kg
Acenaphthylene	ND	330	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit

Sparger Technology, Inc.
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Analytical Laboratory Division
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Scientific Division

8270 GCMS Analysis Report

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug. 10, 1995
Date Received: Aug. 10, 1995
Date Analyzed: Aug. 17, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: WOT-F-6.5'

LAB ID: ST95-08-541A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
Anthracene	ND	330	ug/kg
Benzo (a) Anthracene	330	330	ug/kg
Benzo (a) Pyrene	ND	330	ug/kg
Benzo (b) Fluoranthene	ND	330	ug/kg
Benzo (g, h, i) Perylene	ND	330	ug/kg
Benzo (k) Fluoranthene	ND	330	ug/kg
Benzoic Acid	ND	1600	ug/kg
Benzyl Alcohol	ND	330	ug/kg
bis (- 2 - Chloroethoxy) Methane	ND	330	ug/kg
bis (- 2 - Chloroethyl) Ether	ND	330	ug/kg
bis (2 - chloroisopropyl) Ether	ND	330	ug/kg
bis (2 - Ethylhexyl) Phthalate	ND	330	ug/kg
Butylbenzylphthalate	ND	330	ug/kg
Chrysene	400	330	ug/kg
Di - N - Butylphthalate	ND	330	ug/kg
Di - N - Octyl Phthalate	ND	330	ug/kg
Dibenz (a, h) Anthracene	ND	330	ug/kg
Dibenzofuran	ND	330	ug/kg
Diethylphthalate	ND	330	ug/kg
Dimethyl Phthalate	ND	330	ug/kg
Fluoranthene	ND	330	ug/kg
Fluorene	ND	330	ug/kg
Hexachlorobenzene	ND	330	ug/kg
Hexachlorobutadiene	ND	330	ug/kg
Hexachlorocyclopentadiene	ND	330	ug/kg
Hexachloroethane	ND	330	ug/kg
Indeno (1,2,3 - cd) Pyrene	ND	330	ug/kg
Isophorone	ND	330	ug/kg
N - Nitroso - Di - Propylamine	ND	330	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm= parts per million = ug/g= micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit

Sparger Technology, Inc.
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Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8270 GCMS Analysis Report

Attention:	Ms. Debra Underwood Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501	Date Sampled: Date Received: Date Analyzed:	Aug. 10, 1995 Aug. 10, 1995 Aug. 17, 1995
Project #:	95048	Project Name:	Winner Ford
Client ID:	WOT-F-6.5'	LAB ID:	ST95-08-541A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
N - Nitrosodiphenylamine	ND	330	ug/kg
Naphthalene	ND	330	ug/kg
Nitrobenzene	ND	330	ug/kg
Pentachlorophenol	ND	1600	ug/kg
Phenanthrene	ND	330	ug/kg
Phenol	ND	330	ug/kg
Pyrene	520	330	ug/kg
Creosote	ND	330	ug/kg

Surrogate % Recovery 2 - Fluorophenol =	65%
Surrogate % Recovery Phenol - d6 =	75%
Surrogate % Recovery Nitrobenzene - d5 =	55%
Surrogate % Recovery 2 - Fluorobiphenyl =	68%
Surrogate % Recovery 2,4,6 - Tribromophenol =	77%
Surrogate % Recovery Terphenyl - d14 =	114%

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm= parts per million = ug/g= micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

R L James, Principal Chemist

Aug 18, 1995
Date Reported

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Sparger Technology, Inc.
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Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8270 PCBs
Analysis Report

Attention:	Ms. Debra Underwood Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501	Date Sampled: Date Received: Date Analyzed:	Aug. 10, 1995 Aug. 10, 1995 Aug. 17, 1995
Project #:	95048	Project Name:	Winner Ford
Client ID:	WOT-F-6.5'	LAB ID:	ST95-08-541A
Matrix:	Soil	Dilution:	

Name	Amount	Reporting Limit	Units
PCB 1016	ND	330	ug/kg
PCB 1221	ND	670	ug/kg
PCB 1232	ND	330	ug/kg
PCB 1242	ND	330	ug/kg
PCB 1248	ND	330	ug/kg
PCB 1254	ND	330	ug/kg
PCB 1260	ND	330	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm= parts per million = ug/g = micrograms per gram
ND = Not Detected Compound(s) may be present at concentrations below the detection limit

R. L. James, Principal Chemist

Aug 18, 1995
Date

SPARGER TECHNOLOGY ANALYTICAL LABORATORY INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1614)

Sparger Technology, Inc.
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Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8270 GCMS Analysis Report
Matrix Spike (MS) and Matrix Spike Duplicate (MSD)

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug. 10, 1995
Date Received: Aug. 10, 1995
Date Analyzed: Aug. 18, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: WOT-SP-1-MS
WOT-SP-1-MSD

LAB ID: ST95-08-536A MS
ST95-08-536A MSD

Matrix: Soil

Dilution:

UNITS = ug/kg

Compound	Sample Conc	Spike (ppb) Added	MS	MSD	MS % Rec	MSD % Rec.	RPD	QC Limits RPD	QC Limits % Rec
Phenol	ND	6600	4682	3762	71%	57%	22%	35	26-90
2-Chlorophenol	ND	6600	4587	3653	70%	55%	23%	50	25-102
1, 4-Dichlorobenzene	ND	3300	1860	1650	56%	50%	12%	27	28-104
N-Nitroso-di-n-propylamine	ND	3300	2318	2077	70%	63%	11%	38	41-126
1, 2, 4-Trichlorobenzene	ND	3300	2146	1845	65%	56%	15%	23	38-107
4-Chloro-3-Methylphenol	ND	6600	4954	4560	75%	69%	8%	33	26-103
Acenaphthene	ND	3300	2361	2107	72%	64%	11%	19	31-137
4-Nitrophenol	ND	6600	3146	2128	48%	32%	39%	50	11-114
2, 4-Dinitrotoluene	ND	3300	799 *	772 *	24% *	23% *	3% *	47	28-89
Pentachlorophenol	ND	6600	3935	2549	60%	39%	43%	47	17-109
Pyrene	ND	3300	2299	2138	70%	65%	7%	36	35-142

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm= parts per million = ug/g = micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.
*** Low recovery due to matrix effect (high levels of hydrocarbons).**

R. L. James, Principal Chemist

Aug 18, 1995
Date Reported

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8270 GCMS Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (LCSD)

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug 10, 1995
Date Received: Aug 10, 1995
Date Analyzed: Aug 17, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: LCS/LCSD

LAB ID: ST95-08-017 LCS
ST95-08-017 LCSD

Matrix: Soil

Dilution:

UNITS = ug/kg

Compound	Sample Conc	Spike (ppb) Added	LCS	LCSD	LCS % Rec	LCSD % Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	ND	6600	5001	4677	76%	71%	7%	35	26-90
2-Chlorophenol	ND	6600	4926	4548	75%	69%	8%	50	25-102
1, 4-Dichlorobenzene	ND	3300	2288	2103	69%	64%	8%	27	28-104
N-Nitroso-di-n-propylamine	ND	3300	2680	2617	81%	79%	2%	38	41-126
1, 2, 4-Trichlorobenzene	ND	3300	2437	2320	74%	70%	5%	23	38-107
4-Chloro-3-Methylphenol	ND	6600	5749	5514	87%	84%	4%	33	26-103
Acenaphthene	ND	3300	2582	2533	78%	77%	2%	19	31-137
4-Nitrophenol	ND	6600	6004	6110	91%	93%	2%	50	11-114
2, 4-Dinitrotoluene	ND	3300	2771	2839	84%	86%	2%	47	28-89
Pentachlorophenol	ND	6600	4037	4122	61%	62%	2%	47	17-109
Pyrene	ND	3300	2833	2943	86%	89%	4%	36	35-142

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm= parts per million = ug/g = micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Aug 18, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY INC IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1614)

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8015 Modified Analysis Report

Attention:	Ms. Debra Underwood Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501	Date Sampled: Date Received: Date Analyzed:	Aug. 10, 1995 Aug. 10, 1995 Aug. 14, 1995
Project #:	95048	Project Name:	Winner Ford
Client ID:	WOT-F-6.5'	LAB ID:	ST95-08-539A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Detection Limit	Units
TPHdiesel	ND	1.0	ug/g

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected Compound(s) may be present at concentrations below the detection limit

R. L. James, Principal Chemist

Aug 17, 1995
Date Reported

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8015 Modified Matrix Spike (MS) & Matrix Spike Duplicate (MSD) TPHdiesel Analysis Report

Attention:	Ms. Debra Underwood Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501	Date Sampled: Date Received: Date Analyzed:	Aug 10, 1995 Aug 10, 1995 Aug 14, 1995
Project ID:	95048	Project Name:	Winner Ford
Client ID:	MS/MSD (Batch)	LAB ID:	ST95-08-399A MS ST95-08-399A MSD
Matrix:	Soil	Dilution:	

Name	Conc. Spike Added	Sample Result	MS Result	MSD Result	Units	MS % Recovery	MSD % Recovery	% RPD Recovery
TPHdiesel	15 ppm	ND	15	15	ug/g	100%	100%	0%

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm= parts per million = ug/g = micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit

R. L. James, Principal Chemist

Aug. 17, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1614)

BLYMYER
ENGINEERS, INC
1829 Clement Avenue
Alameda, CA 94501 (510) 521-3773 FAX (510) 865-2594

5299

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

JOB #: 95048

PROJECT NAME/LOCATION: WINNER FORD 1650 Park Street Alameda, CA

SAMPLERS (SIGNATURE): Deb Underwood

TURNAROUND TIME: Regular DAY(S)

REMARKS: # (SVOCS) ⇒ Test includes PNAS, PCBs, PCPs, and Creosote
5 LUFT Mtls: Cd, Cr, Pb, Ni, Zc

DATE	TIME	COMP	GRAB	SAMPLE NAME/LOCATION	# OF CONTAINERS	TPH AS GASOLINE + BTXE (MOD EPA 8015/8020)	TPH AS DIESEL (MOD EPA 8015)	VOC (EPA 624/8240)	SEMI-VOC (EPA 625/8270) WITH (SEE REMARKS)	TRPH (EPA 418.1)	BTXE (EPA 8020/602)	Total Pb	5 LUFT Mtls (SEE REMARKS)	SVOCS	17 CCR Metals (TOTAL)	HOLD
8/10/95			X	GT-S1-8'	1	X										
			X	GT-S2-8'	1	X										
			X	GT-S3-8'	1	X										
			X	GT-S4-8'	1	X										
			X	GT-F-8'	1	X										
			X	GT-D-1'	1	X										
		X		GT-SP-1	1	X						X				
		X		WOT-SP-1	1	X		X		X				X	X	
↓			X	WOT-F-6.5'	1	X	X	X	X	X			X			

REQUESTED BY: Deb Underwood of Blymyer Engineers, Inc.

RESULTS AND INVOICE TO: Deb Underwood

RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
Deb Underwood	8/10/95 4:25				
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE / TIME	REMARKS:	

WHITE: Accompany Sample YELLOW: BEI, After Lab Signs PINK: Original Sampler