SHOW ME LANDFILL

230 SE 421, Warrensburg, MO 64093
(816) 747-7697
A Divison of Allied Waste Industries, Inc.

SITE	TICKET	GRID
09	065344	

WEIGHMASTER
Denise Smethers

DATE IN	TIME IN
05/21/98	14:17

DATE OUT	TIME OUT
05/21/98	

005040
Laidlaw Environmental
Services, Inc.
5665 Flatiron Parkway
Boulder CO 80301

BOGLER-57

VEHICLE #	ROLL OFF		REFERENCE	ORIGIN
Manual Gross Weight	82500	LB	Inbound -	Charge ticket
Stored Tare Weight	32980	LB		
Net Weight	49520	LB		

24.76 TN CONTAMINATED SOIL

QTY.	DESCRIPTION	AMOUNT

NET AMOUNT
TENDERED
CHANGE

Show-Me Landfill will be CLOSED on Mon, May 25, 1998 to observe the Memorial Day Holiday.

SIGNATURE X _____

APPENDIX D

Soil Disposal Documentation
Generator Special Waste Profile Sheets

Allied Waste Industries, Inc.
3837 West 127th Street • Alsip, Illinois 60803

SHOW ME REGIONAL LANDFILL
230 S.E. 421
WARRENSBURG, MO 64093
Operating Permit Number 110105
TELEPHONE #816-747-7697
Fax #816-747-8461

SPECIAL WASTE STREAM - AWI ACCEPTANCE APPROVAL

DATE: May 20, 1998

GENERATOR COMPANY NAME: Union Pacific Railroad

GENERATOR SITE ADDRESS:
651 East Broadway
Sedalia, MO 65301

GENERATOR MAILING ADDRESS:
1416 Dodge Street, Rm 930
Omaha, NE 68179

GENERATOR CONTACT/TELEPHONE #: Craig Denny (402) 271-3248

TECHNICAL CONTACT/TELEPHONE #: SAME

WASTE STREAM NAME: Virgin Unleaded Gasoline Contaminated Soil / UST

WASTE CLASSIFICATION: Non-Hazardous Special Waste.

DISPOSAL SITE AUTHORIZATION APPROVAL # SM982499.

DISPOSAL AUTHORIZATION EXPIRATION DATE: May 19, 1999

SPECIAL CONDITIONS: This approval is granted subject to the enforcement of the conditions listed below.

1) Loads of this waste stream may be randomly inspected upon receipt at the landfill to conform with the Waste Profile Sheet.
2) Any load determined to contain free liquids cannot be accepted for landfill disposal (40 CFR 258..28).
3) Special Waste Disposal Request Form completed and mailed to MO DNR.
4) A Manifest must accompany each load to the landfill.
5) Contact Show-Me Regional Landfill to schedule this waste stream for disposal.

Allied Waste Industries' Landfill Compliance Department has reviewed the documentation submitted for approval. This waste Stream has been found to be acceptable for disposal as determined by US EPA Regulations 40 CFR 261.

Shirley Koegel (R)
Shirley Koegel, Special Waste Coordinator

Victoria Warren, Director of Hydrogeology

Original to: Gerald Ray, Show-Me Regional Landfill
pc: Alsip Office File
Debbie Barnhart, Special Waste Liaison
Craig Denny, Union Pacific Railroad

GENERATOR SPECIAL WASTE PROFILE SHEET

Requested Disposal Facility: SEMO-MO REGIONAL LANDFILL
an Allied Waste Company

Waste Profile #: SM98 2499

I. GENERATOR INFORMATION

Date: 5-14-98

Generator Name: Union Pacific Railroad
Generator Site Address: 651 EAST BROADWAY
City: SEDALIA | County: PETTIS | State: MO | Zip: 65301
Generator State ID No: | SIC Code No:
Generator Billing Address (if different): 1416 Dodge St. Rm 930
City: Omaha | County: Douglas | State: NE | Zip: 68179
Generator Contact Name: Craig Denny
Phone Number: 402 271-3248 | Fax Number: 271-4461

II. TRANSPORTER INFORMATION

Transporter Name: WOODY BOGLER TRUCKING CO
Transporter Address: PO BOX 274
City: ROSEBUD | County: GASCONADE | State: MO | Zip: 63091
Transporter Contact Name: WOODY BOGLER
Phone Number: 800-899-4120 | Fax Number: 573-636-5196 | State Transporter #:

III. WASTE STREAM INFORMATION

Name of Waste: GASOLINE CONTAMINATED SOIL (VIRGIN) / Unleaded Gasoline) *
Process Generating Waste: SOIL REMEDIATION - PREVIOUS UST REMOVAL *
Type of Waste: INDUSTRIAL PROCESS WASTE or (POLLUTION CONTROL WASTE)
Physical State: (SOLID) SEMI-SOLID POWDER LIQUID OTHER:
Method of Shipment: (BULK) DRUM BAGGED OTHER/EXPLAIN: END DUMP
Estimated Annual Volume: CUBIC YARDS: _____ TONS: EST 1500 T OTHER:
Frequency: (ONE TIME ONLY) DAILY WEEKLY MONTHLY OTHER/EXPLAIN:
SPECIAL HANDLING INSTRUCTIONS: WASH SKIN W/SOAP IF IN CONTACT AVOID BREATING FUMES

IV. REPRESENTATIVE SAMPLE CERTIFICATION

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA § 40 CFR 261.20(c) guidelines or equivalent rules? (YES) NO

Sample Date: 5/9/98 | Check one: COMPOSITE SAMPLE GRAB SAMPLE
Sampler's Employer:
Sampler's Name (printed): MARK Watterson | Signature: See attached Chain of Custody

* unleaded per MARK WATTERSON.
* FROM A PREVIOUS UST REMOVAL - NEEDED ADDITIONAL SOIL REMOVAL FOR CLOSURE WITH THE STATE.

V. PHYSICAL CHARACTERISTICS OF WASTE

Waste Profile # SM982499

	CHARACTERISTIC COMPONENTS	% BY WEIGHT (range)
1	Soil	95 %
2	Gravel	4 %
3	Unleaded Gasoline	1 %

Color:	Odor (describe):	Free Liquids: YES or NO	% Solids:	pH:	Flash Point:	Phenol
BROWN	PETROLEUM	NO Content ____ %	100%	8	>140 E_F	____ ppm

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Required Parameters Provided for this Profile.

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and its epoxides), Lindane, Methoxychlor, Toxaphene, 2, 4-D, 2, 4, 5,-TP Silvex as defined in § 40 CFR 261.33?	YES or (NO)
Does this waste or the generating process cause it to exceed OSHA exposure limits from high levels of Hydrogen Sulfide or Hydrogen Cyanide as defined in § 40 CFR 261.23? (If > 10ppm reactive Sulfide or Cyanide, generator must complete additional certification form.)	YES or (NO)
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in § 40 CFR Part 761?	YES or (NO)
Does this waste contain regulated concentrations of listed hazardous wastes defined by § 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	YES or (NO)
Does this waste contain regulated concentrations of 2, 3, 7, 8-Tetrachlorodibenzofuran (2, 3, 7, 8-TCDF), 2, 3, 7, 8-TCDD), or any other dioxin as defined in § 40 CFR 261.31?	YES or (NO)
Is this a regulated Toxic Material as defined by § 40 CFR 261.24 and/or State regulations?	YES or (NO)
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	YES or (NO)
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	YES or (NO)
Is this waste generated at a Federal Superfund Clean Up Site?	YES or (NO)

VI. GENERATOR CERTIFICATION

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true and accurate description of the waste material being offered for shipment. I further certify that by signing this profile for, neither myself nor any other employee of this company will deliver for disposal any waste which is classified as toxic waste, hazardous waste, medical or infectious waste or any other waste material that is prohibited from acceptance by law. Our company hereby agrees to fully indemnify the disposal facility against any damages resulting from this misrepresentation or omission.

Craig Denny / Mgr. Env. Site Remediation
AUTHORIZED REPRESENTATIVE NAME AND TITLE (Printed)

Union Pacific Railroad
COMPANY NAME

AUTHORIZED REPRESENTATIVE SIGNATURE

5/13/98
DATE

Pace Analytical

Pace Analytical Services, Inc.
9608 Loiret Blvd
Lenexa, KS 66219
Tel: 913-599-5665
Fax: 913-599-1759

May 19, 1998

Mr. BRUCE ZUCCARO
Laidlaw Environmental Services
5665 FLATIRON PKWY
BOULDER, CO 80301-2800

RE: Pace Project Number: 6021736
Client Project ID: 96120-605 OLD HUDSON STATION

Dear Mr. ZUCCARO:

Enclosed are the results of analyses for sample(s) received on May 18, 1998. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Rebecca Wenner

Rebecca Wenner
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Pace Analytical

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
Tel: 913-599-5665
Fax: 913-599-1759

DATE: 05/19/98
PAGE: 1

Laidlaw Environmental Services
5665 FLATIRON PKWY
BOULDER, CO 80301-2800

Pace Project Number: 6021736
Client Project ID: 96120-605 OLD HUDSON STATION

Attn: Mr. BRUCE ZUCCARO
Phone: (303)938-5500

Solid results are reported on a wet weight basis

Pace Sample No: 601881550
Client Sample ID: SP-001
Date Collected: 05/18/98
Date Received: 05/18/98
Matrix: Soil

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Wet Chemistry							
Total Petroleum Hydrocarbons		Method: EPA 418.1 MO Mod			Prep Method: EPA 418.1 MO Mod		
Total Petroleum Hydrocarbons	41.9	mg/kg	9.97	05/19/98	GMF		
Paint Filter Liquids Test		Method: EPA 9095			Prep Method: EPA 9095		
Free Liquids	ND	ml/5mins.	1	05/19/98	GMF		
Flash Point, Open Cup		Method: ASTM D-92			Prep Method: ASTM D-92		
Flash Point	> 94	deg C	0	05/19/98	GMF		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full

Pace Analytical

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
Tel: 913-599-5665
Fax: 913-599-1759

DATE: 05/19/98
PAGE: 2

Pace Project Number: 6021736
Client Project ID: 96120-605 OLD HUDSON STATION

PARAMETER FOOTNOTES

ND	Not Detected
NC	Not Calculable
PRL	Pace Reporting Limit

REPORT OF LABORATORY ANALYSIS

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Pace Analytical

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
Tel: 913-599-5665
Fax: 913-599-1759

QUALITY CONTROL DATA

DATE: 05/19/98
PAGE: 3

Laidlaw Environmental Services
5665 FLATIRON PKWY
BOULDER, CO 80301-2800

Pace Project Number: 6021736
Client Project ID: 96120-605 OLD HUDSON STATION

Attn: Mr. BRUCE ZUCCARO
Phone: (303)938-5500

QC Batch ID: 44885
Analysis Method: EPA 418.1 MO Mod
Associated Pace Samples: 601881550

QC Batch Method: EPA 418.1 MO Mod
Analysis Description: Total Petroleum Hydrocarbons

METHOD BLANK: 601855067
Associated Pace Samples:
601881550

Parameter	Units	Method Blank Result	PRL	Footnotes
Total Petroleum Hydrocarbons	mg/kg	ND	10	

MATRIX SPIKE: 601845274

Parameter	Units	601844707	Spike Conc.	Matrix Spike Result	Spike % Rec	Footnotes
Total Petroleum Hydrocarbons	mg/kg	0	218.6	219.5	100	

LABORATORY CONTROL SAMPLE: 601845290

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Total Petroleum Hydrocarbons	mg/kg	166.7	197.3	118	

LABORATORY CONTROL SAMPLE: 601847007

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Total Petroleum Hydrocarbons	mg/kg	166.7	175.3	105	

REPORT OF LABORATORY ANALYSIS

Pace Analytical

Pace Analytical Services, Inc.
9608 Loiret Blvd
Lenexa, KS 66219
Tel: 913-599-5665
Fax: 913-599-1759

QUALITY CONTROL DATA

DATE: 05/19/98
PAGE: 4

Pace Project Number: 6021736
Client Project ID: 96120-605 OLD HUDSON STATION

ABORATORY CONTROL SAMPLE: 601855075

arameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
otal Petroleum Hydrocarbons	mg/kg	166.7	172.4	103	

ABORATORY CONTROL SAMPLE: 601882517

arameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
otal Petroleum Hydrocarbons	mg/kg	166.7	145.1	87.1	

AMPLE DUPLICATE: 601845282

rameter	Units	601844707	Dup. Result	RPD	Footnotes
tal Petroleum Hydrocarbons	mg/kg	ND	ND	NC	

REPORT OF LABORATORY ANALYSIS

Pace Analytical

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
Tel: 913-599-5665
Fax: 913-599-1759

QUALITY CONTROL DATA

DATE: 05/19/98
PAGE: 5

Laidlaw Environmental Services
5665 FLATIRON PKWY
BOULDER, CO 80301-2800

Pace Project Number: 6021736
Client Project ID: 96120-605 OLD HUDSON STATION

Attn: Mr. BRUCE ZUCCARO
Phone: (303)938-5500

QC Batch ID: 45767
Analysis Method: EPA 9095
Associated Pace Samples: 601881550

QC Batch Method: EPA 9095
Analysis Description: Paint Filter Liquids Test

SAMPLE DUPLICATE: 601882574

Parameter	Units	601881550	Dup. Result	RPD	Footnotes
Free Liquids	ml/5mins.	ND	ND	NC	

REPORT OF LABORATORY ANALYSIS

Pace Analytical

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
Tel: 913-599-5665
Fax: 913-599-1759

QUALITY CONTROL DATA

DATE: 05/19/98
PAGE: 6

Laidlaw Environmental Services
5665 FLATIRON PKWY
BOULDER, CO 80301-2800

Pace Project Number: 6021736
Client Project ID: 96120-605 OLD HUDSON STATION

Attn: Mr. BRUCE ZUCCARO
Phone: (303)938-5500

QC Batch ID: 45768
Analysis Method: ASTM D-92
Associated Pace Samples: 601881550

QC Batch Method: ASTM D-92
Analysis Description: Flash Point, Open Cup

REPORT OF LABORATORY ANALYSIS

Pace Analytical

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
Tel: 913-599-5665
Fax: 913-599-1759

DATE: 05/19/98
PAGE: 7

Pace Project Number: 6021736
Client Project ID: 96120-605 OLD HUDSON STATION

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

ND	Not Detected
NC	Not Calculable
PRL	Pace Reporting Limit
RPD	Relative Percent Difference

REPORT OF LABORATORY ANALYSIS

Pace Analytical

419223
CHAIN-OF-CUSTODY RECORD
Analytical Request

Pager - 1-800-443-7243 pin 005366

Client: Laidlaw Env'l Services	Report To:	Turn around Time: [X] 24 Hours / [ ] 48 Hours / [ ] 3-5 Days / [ ] 1 Week [ ] 2 Weeks / [ ] Normal 14 Days	Pace Client No.
Address: 5665 Flatiron Parkway	Bill To:		Pace Project Manager: RW
Boulder CO	P.O. # / Billing Reference		Pace Project No: 6021736
Phone: 621-6885 (KC)	Project Name / No.: 9120-605 (old Hoister Station)		Requested Due Date: 5-19-98

Sampled By (PRINT): Mark Wattelson
Sampler Signature: [signature]
Date Sampled: 5.18.98

SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	UNPRESERVED	H_2SO_4	HNO_3	VOA (HCL)	NaOH	ICE	TRH 418.1	Flashpoint	Reactivity	REMARKS
SP-001	2:30 pm	soil	601881550	1						X	X	X	X	

SHIPMENT METHOD	AIR BILL NO.	SHIPPING DATE	NUMBER OF COOLERS	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
HC					[signature]	5/18/98	5:35	[signature]	5/18	5:36

Additional Comments

SAMPLE CONDITION

Temp: ______ °C | Received on Ice: Y/N | Sealed Cooler: Y/N | Samples Intact: Y/N

MISSOURI DEPARTMENT OF NATURAL RESOURCES
WASTE MANAGEMENT PROGRAM
SPECIAL WASTE DISPOSAL REQUEST

SECTION I GENERAL INFORMATION (TO BE COMPLETED BY THE GENERATOR AND LANDFILL OPERATOR)

	DISPOSAL FACILITY	WASTE GENERATOR
NAME	Allied Waste Industries, Inc. ~~Show Me Regional Landfill~~	Union Pacific Railroad
ADDRESS	~~Route #3, P.O. Box 866~~ 230 SE 421	1416 Dodge St Rm 930
CITY, STATE, ZIP CODE	Warrensburg, Missouri 64093	Omaha, NE 68179
TELEPHONE NUMBER	(816) 747-7657 - Landfill office	(402) 271-3248
PERMIT NO.	110105	N/A
CONTACT PERSON	Denise Smethers - Special Waste Rep.	

SECTION II WASTE CHARACTERIZATION (TO BE COMPLETED BY THE GENERATOR)

NAME OF WASTE: Petroleum contaminated Soil / Unleaded Gasoline

DESCRIPTION OF GENERATING PROCESS: Underground storage tank

(CHECK ONE)
(1) ☒ SOLID (2) ☐ SLUDGE (20% OR GREATER SOLIDS) (3) ☐ SLURRY (20% OR LESS SOLIDS)
(4) ☐ LIQUID (2% OR LESS SOLIDS) (5) ☐ OTHER - SPECIFY

INDICATE % SOLIDS BY WEIGHT 100%

SPECIFIC GRAVITY .8 PUMPABLE: ☐ YES ☒ NO ODOR: ☒ YES ☐ NO FREE FLUIDS: ☐ YES ☒ NO
pH FLASHPOINT >140 F

WAS THE WASTE EVER CLASSIFIED OR LISTED HAZARDOUS? ☐ YES ☒ NO IF YES, SPECIFY THE EPA WASTE NUMBER

LIST BELOW THE CHEMICAL COMPOSITION (ATTACH ANY ADDITIONAL ANALYSIS)

MAJOR COMPONENTS	% BY WEIGHT
SOIL	95
GRAVEL	04
Unleaded Gasoline	.01

SOURCE OF CHEMICAL DATA

SECTION III GENERATION RATE/DISPOSAL FREQUENCY* (TO BE COMPLETED BY GENERATOR)

AVERAGE GENERATION RATE (CUBIC YARDS PER WEEK, POUNDS PER MONTH, ETC.)

DISPOSAL REQUEST (COMPLETE (1) OR (2)):

(1) ☐ Continual (or intermittent)
If disposal is to be made on a continual or intermittent basis, indicate the quantity and frequency of disposal (cubic yards per week, pounds per month, etc.)
Indicate the quantity available for immediate disposal, if applicable

(2) ☒ One - time only
If one - time only, indicate the total amount to be disposed of 1500 TON

NOTE ▶ INDICATE APPROPRIATE UNITS (TONS, GALLONS, POUNDS, CUBIC YARDS, ETC.)

SECTION IV TRANSPORTATION (TO BE COMPLETED BY GENERATOR OR LANDFILL OPERATOR)

CONTAINERS USED FOR TRANSPORTATION (CHECK ONE)
(1) ☐ BULK (CU. YD.); (2) ☐ METAL DRUMS (GAL.); (3) ☐ CASES, CARTONS (SIZE
(4) ☐ FIBER DRUMS (GALS.); (5) OTHER - SPECIFY END DUMP

TYPE OF VEHICLE
(1) ☒ TRACTOR-TRAILER; (2) ☐ ROLL-OFF/LUGGER; (3) ☐ DUMP TRUCK; (4) ☐ (OTHER)

SECTION V DISPOSAL TECHNIQUES (TO BE COMPLETED BY THE LANDFILL OPERATOR)

A. ☐ SEPARATE TRENCH BURIAL
(1) LOCATION ON LANDFILL SITE _____
(2) TRENCH DESIGN PREVIOUSLY APPROVED BY DNR? ☐ YES ☐ NO IF NOT, ATTACH REQUEST FOR APPROVAL

B. ☐ CO-DISPOSAL WITH MUNICIPAL WASTE ON ACTIVE FILL FACE
1. AVERAGE DAILY QUANTITY OF MUNICIPAL SOLID WASTE _____
2. SPECIAL WASTE TO BE UNLOADED AT: _____ TOE OF WORKING FACE _____ (SPECIFY TONS OR CUBIC YARDS)
_____ TOP OF WORKING FACE

C. ☐ OTHER DISPOSAL PROCEDURES - SPECIFY _____

SECTION VI HANDLING PROCEDURES (TO BE COMPLETED BY GENERATOR)

Safety precautions during handling: Provide handling information supplied by product manufacturer, waste generator, or from other sources, describing the necessary measures that should be taken to protect personal safety, to control dusting, or to ensure fixed placement of waste. This should include a description of materials not compatible with this waste.

WASH SKIN WITH SOAP IF IN CONTACT WITH. AVOID BREATHING FUMES.

SECTION VII CERTIFICATION (TO BE COMPLETED BY GENERATOR AND LANDFILL OPERATOR)

The undersigned, submit this request to dispose of the named waste and certify that the information supplied by me herein is correct. I understand approval to dispose of the waste may be suspended if false information has been submitted or if the disposal operation is not performed in a proper and legal manner.

SIGNATURE OF LANDFILL OPERATOR OR AUTHORIZED REPRESENTATIVE Deborah Barnhart

NAME/TITLE Deborah Barnhart ~~Ride Engineer~~ - Special Waste Representative DATE 5/14/98

The undersigned, submit this request to dispose of the named waste and certify that the waste named herein, to the best of my knowledge, is not a hazardous waste as defined by the Missouri Waste Management Law and Rules, and that the information supplied by me is correct.

SIGNATURE OF WASTE GENERATOR OR AUTHORIZED REPRESENTATIVE

NAME/TITLE Craig Denny / Mgr. Env. Site Remediation DATE 5/13/98

ADDITIONAL COMMENTS

WASTE WILL BE DELIVERED THROUGHOUT A TWO WEEK PERIOD, ON A ONE TIME BASES.

THE COMPLETED FORM TO:

MISSOURI DEPARTMENT OF NATURAL RESOURCES
WASTE MANAGEMENT PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102

SHOW-ME LANDFILL

230 SE 421, Warrensburg, Missouri 64093 • Phone: (660) 747-7697 • Fax: (660) 747-8461

May 20, 1998

Mr. James Armes
Missouri Department of Natural Resources
Kansas City Regional Office
500 NE Colbern Road
Lee's Summit, Missouri 64086-4710

Dear Mr. Armes,

Attached is a Special Waste Disposal Request from Union Pacific Railroad of Sedalia, Missouri.

The waste stream is Virgin Unleaded Gasoline Contaminated Soil, generated from an underground storage tank removal. With this request, I have attached Allied's application and the laboratory analysis.

If you have any questions, please contact me at (660) 747-7697.

Sincerely,

Denise Smethers

Denise Smethers
Special Waste Representative
Show-Me Regional Landfill

APPENDIX E

Groundwater Laboratory Data Sheets and Chain of Custody Records

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 West Bartlett Rd.
Bartlett, IL 60103
Tel: (630) 289-3100
Fax: (630) 289-5445

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622
(800) 807-2877

Mr. Ken Rose
USPCI (Laidlaw)
5665 Flatiron Pkwy
Boulder, CO 80301

11/11/1998

NET Job Number: 98.14008

IEPA Cert. No.: 100221
WDNR Cert. No.: 999447130
A2LA Cert. No.: 0453-01

Enclosed is the Analytical and Quality Control reports for the following samples submitted to Bartlett Division of NET, Inc. for analysis.

Project Description: 96120-05; Hudson

Sample Number	Sample Description	Date Taken	Date Received
500438	MW-6	10/28/1998	10/29/1998
500439	MW-5	10/28/1998	10/29/1998
500440	MW-8	10/28/1998	10/29/1998
500441	MW-7	10/28/1998	10/29/1998
500442	MW-500	10/28/1998	10/29/1998

Contract Audit #710171

Samples Collected by: Mr. Joe Franzen

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. These results apply only to the samples analyzed. Reproduction of this report only in whole is permitted. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Procedures used follow NET Standard Operating Procedures which reference the methods listed on your report. Should you have questions regarding procedures or results, please do not hesitate to call. NET has been pleased to provide these analytical services for you.

This Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Approved by:

Mary Pearson

Mary Pearson
Project Manager

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 West Bartlett Rd.
Bartlett, IL 60103
Tel: (630) 289-3100
Fax: (630) 289-5445

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622
(800) 807-2877

ANALYTICAL REPORT

Mr. Ken Rose
USPCI (Laidlaw)
5665 Flatiron Pkwy
Boulder, CO 80301

11/11/1998

Sample No. : 500439

NET Job No.: 98.14008

Sample Description: MW-5
96120-05; Hudson

Date Taken: 10/28/1998
Time Taken: 10:50

Date Received: 10/29/1998
Time Received: 10:30

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
Prep, TPH 8015M - AQUEOUS	extracted				11/04/1998	mmv	SW 8015M
TPH MODIFIED 8015							
TPH as Gasoline	1.40	PT	mg/L	1.0	11/07/1998	btl	SW 8015M
TPH as Diesel Fuel	<1.0		mg/L	1.0	11/07/1998	btl	SW 8015M
TPH as Oil	<1.0		mg/L	1.0	11/07/1998	btl	SW 8015M
N-octacosane (TPH surr)	91.0		%		11/07/1998	btl	SW 8015M
UST VOLATILES 8260 - AQUEOUS							
Benzene	28		ug/L	1.0	11/08/1998	mjo	SW 8260A
Ethyl Benzene	<1.0		ug/L	1.0	11/08/1998	mjo	SW 8260A
Toluene	1.9		ug/L	1.0	11/08/1998	mjo	SW 8260A
Xylenes, Total	3.4		ug/L	1.0	11/08/1998	mjo	SW 8260A
Surr: Toluene-d8	109.4		%	85-117	11/08/1998	mjo	SW 8260A
Surr: Bromofluorobenzene	96.8		%	80-116	11/08/1998	mjo	SW 8260A
Surr: Dibromofluoromethane	100.6		%	75-130	11/08/1998	mjo	SW 8260A

PT : Pattern does not match the standard.

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 West Bartlett Rd.
Bartlett, IL 60103
Tel: (630) 289-3100
Fax: (630) 289-5445

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622
(800) 807-2877

ANALYTICAL REPORT

Mr. Ken Rose
USPCI (Laidlaw)
5665 Flatiron Pkwy
Boulder, CO 80301

11/11/1998

Sample No. : 500442

NET Job No.: 98.14008

Sample Description: MW-500
96120-05; Hudson

Date Taken: 10/28/1998
Time Taken: 10:50

Date Received: 10/29/1998
Time Received: 10:30

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
Prep, TPH 8015M - AQUEOUS	extracted				11/04/1998	mmv	SW 8015M
TPH MODIFIED 8015							
TPH as Gasoline	1.30	PT	mg/L	1.0	11/07/1998	btl	SW 8015M
TPH as Diesel Fuel	<1.0		mg/L	1.0	11/07/1998	btl	SW 8015M
TPH as Oil	<1.0		mg/L	1.0	11/07/1998	btl	SW 8015M
N-octacosane (TPH surr)	92.0		%		11/07/1998	btl	SW 8015M
UST VOLATILES 8260 - AQUEOUS							
Benzene	23		ug/L	1.0	11/09/1998	pll	SW 8260A
Ethyl Benzene	<1.0		ug/L	1.0	11/09/1998	pll	SW 8260A
Toluene	1.5		ug/L	1.0	11/09/1998	pll	SW 8260A
Xylenes, Total	2.6		ug/L	1.0	11/09/1998	pll	SW 8260A
Surr: Toluene-d8	94.0		%	85-117	11/09/1998	pll	SW 8260A
Surr: Bromofluorobenzene	88.0		%	80-116	11/09/1998	pll	SW 8260A
Surr: Dibromofluoromethane	94.0		%	75-130	11/09/1998	pll	SW 8260A

PT : Pattern does not match the standard.

NET® NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 West Bartlett Rd.
Bartlett, IL 60103
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Fax: (630) 289-5445

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622
(800) 807-2877

ANALYTICAL REPORT

Mr. Ken Rose
USPCI (Laidlaw)
5665 Flatiron Pkwy
Boulder, CO 80301

11/11/1998

Sample No. : 500438

NET Job No.: 98.14008

Sample Description: MW-6
96120-05; Hudson

Date Taken: 10/28/1998
Time Taken: 11:35

Date Received: 10/29/1998
Time Received: 10:30

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
Prep, TPH 8015M - AQUEOUS	extracted				11/04/1998	mmv	SW 8015M
TPH MODIFIED 8015							
TPH as Gasoline	<1.0		mg/L	1.0	11/07/1998	btl	SW 8015M
TPH as Diesel Fuel	<1.0		mg/L	1.0	11/07/1998	btl	SW 8015M
TPH as Oil	<1.0		mg/L	1.0	11/07/1998	btl	SW 8015M
N-octacosane (TPH surr)	103.0		%		11/07/1998	btl	SW 8015M
UST VOLATILES 8260 - AQUEOUS							
Benzene	<1.0		ug/L	1.0	11/08/1998	mjo	SW 8260A
Ethyl Benzene	<1.0		ug/L	1.0	11/08/1998	mjo	SW 8260A
Toluene	<1.0		ug/L	1.0	11/08/1998	mjo	SW 8260A
Xylenes, Total	<1.0		ug/L	1.0	11/08/1998	mjo	SW 8260A
Surr: Toluene-d8	105.0		%	85-117	11/08/1998	mjo	SW 8260A
Surr: Bromofluorobenzene	101.8		%	80-116	11/08/1998	mjo	SW 8260A
Surr: Dibromofluoromethane	99.8		%	75-130	11/08/1998	mjo	SW 8260A

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Rockford, IL 61109
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ANALYTICAL REPORT

Mr. Ken Rose
USPCI (Laidlaw)
5665 Flatiron Pkwy
Boulder, CO 80301

11/11/1998

Sample No. : 500441

NET Job No.: 98.14008

Sample Description: MW-7
96120-05; Hudson

Date Taken: 10/28/1998
Time Taken: 09:40

Date Received: 10/29/1998
Time Received: 10:30

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
Prep, TPH 8015M - AQUEOUS	extracted				11/04/1998	mmv	SW 8015M
TPH MODIFIED 8015							
TPH as Gasoline	<1.0		mg/L	1.0	11/07/1998	btl	SW 8015M
TPH as Diesel Fuel	<1.0		mg/L	1.0	11/07/1998	btl	SW 8015M
TPH as Oil	<1.0		mg/L	1.0	11/07/1998	btl	SW 8015M
N-octacosane (TPH surr)	101.0		%		11/07/1998	btl	SW 8015M
UST VOLATILES 8260 - AQUEOUS							
Benzene	<1.0		ug/L	1.0	11/08/1998	mjo	SW 8260A
Ethyl Benzene	<1.0		ug/L	1.0	11/08/1998	mjo	SW 8260A
Toluene	<1.0		ug/L	1.0	11/08/1998	mjo	SW 8260A
Xylenes, Total	<1.0		ug/L	1.0	11/08/1998	mjo	SW 8260A
Surr: Toluene-d8	110.8		%	85-117	11/08/1998	mjo	SW 8260A
Surr: Bromofluorobenzene	100.4		%	80-116	11/08/1998	mjo	SW 8260A
Surr: Dibromofluoromethane	100.4		%	75-130	11/08/1998	mjo	SW 8260A

NATIONAL ENVIRONMENTAL TESTING, INC.

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3548 35th Street
Rockford, IL 61109
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ANALYTICAL REPORT

Mr. Ken Rose
USPCI (Laidlaw)
5665 Flatiron Pkwy
Boulder, CO 80301

11/11/1998

Sample No. : 500440

NET Job No.: 98.14008

Sample Description: MW-8
96120-05; Hudson

Date Taken: 10/28/1998
Time Taken: 10:20

Date Received: 10/29/1998
Time Received: 10:30

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
Prep, TPH 8015M - AQUEOUS	extracted				11/04/1998	mmv	SW 8015M
TPH MODIFIED 8015							
TPH as Gasoline	<1.0		mg/L	1.0	11/07/1998	btl	SW 8015M
TPH as Diesel Fuel	<1.0		mg/L	1.0	11/07/1998	btl	SW 8015M
TPH as Oil	<1.0		mg/L	1.0	11/07/1998	btl	SW 8015M
N-octacosane (TPH surr)	91.0		%		11/07/1998	btl	SW 8015M
UST VOLATILES 8260 - AQUEOUS							
Benzene	<1.0		ug/L	1.0	11/08/1998	mjo	SW 8260A
Ethyl Benzene	<1.0		ug/L	1.0	11/08/1998	mjo	SW 8260A
Toluene	<1.0		ug/L	1.0	11/08/1998	mjo	SW 8260A
Xylenes, Total	<1.0		ug/L	1.0	11/08/1998	mjo	SW 8260A
Surr: Toluene-d8	104.2		%	85-117	11/08/1998	mjo	SW 8260A
Surr: Bromofluorobenzene	101.4		%	80-116	11/08/1998	mjo	SW 8260A
Surr: Dibromofluoromethane	99.8		%	75-130	11/08/1998	mjo	SW 8260A

NET NATIONAL ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY RECORD

COMPANY SAFETY-KLEEN
ADDRESS 5665 FLATIRON PKWY. BOULDER, CO. 80301
PHONE (303) 938-5500 FAX
PROJECT NAME/LOCATION HUDSON
PROJECT NUMBER 96120-05
PROJECT MANAGER KEN ROSE

REPORT TO: KEN ROSE
INVOICE TO:
P.O. NO.
NET QUOTE NO.

SAMPLED BY
JOE FRANZEN (PRINT NAME) — SIGNATURE
(PRINT NAME) — SIGNATURE

DATE	TIME	SAMPLE ID/DESCRIPTION	MATRIX	GRAB	COMP	# and Type of Containers: HCl	NaOH	HNO_3	H_2SO_4	OTHER	ANALYSES: 8015 TPH-D-G	8020 BTEX
10/28/98	1135	MW-6	H2O	1		2					X	X
	1050	MW-5		1		2					X	X
	1020	MW-8		1		2					X	X
	0940	MW-7		1		2					X	X
	1058	MW-500		1		2					X	X

To assist us in selecting the proper method

Is this work being conducted for regulatory compliance monitoring? Yes ___ No ___

Is this work being conducted for regulatory enforcement action? Yes ___ No ___

Which regulations apply: RCRA ___ NPDES Wastewater ___ UST ___ Drinking Water ___ Other ___ None ___

COMMENTS

CONDITION OF SAMPLE: BOTTLES INTACT? YES / NO
FIELD FILTERED? YES / NO
COC SEALS PRESENT AND INTACT? YES / NO
VOLATILES FREE OF HEADSPACE? YES / NO
TEMPERATURE UPON RECEIPT: .3°C
Bottles supplied by NET? YES / NO

SAMPLE REMAINDER DISPOSAL: RETURN SAMPLE REMAINDER TO CLIENT VIA ___
I REQUEST NET TO DISPOSE OF ALL SAMPLE REMAINDERS ___ DATE ___

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	RELINQUISHED BY:	DATE	TIME	RECEIVED FOR NET BY:
	10/28/98	1539			10/29/98	10:30	J. Dale

METHOD OF SHIPMENT: Fedy

REMARKS:

PT 1 - ORIGINAL - WHITE PT 2 - NET PROJECT MANAGER - YELLOW PT 3 - CUSTOMER COPY - PINK

TestAmerica
INCORPORATED

Mr. Ken Rose
SAFETY-KLEEN
5665 Flatiron Pkwy
Boulder, CO 80301

05/10/1999

NET Job Number: 99.04374

IEPA Cert. No.: 100221
WDNR Cert. No.: 999447130
A2LA Cert. No.: 0453-01

Enclosed is the Analytical and Quality Control reports for the following samples submitted to Bartlett Division of TestAmerica for analysis.

Project Description: UPPR Sedalia; 605120

Sample Number	Sample Description	Date Taken	Date Received
524561	MW-5	04/27/1999	04/30/1999
524562	MW-7	04/27/1999	04/30/1999
524563	MW-8	04/27/1999	04/30/1999
524564	MW-6	04/27/1999	04/30/1999
524565	MW-15	04/27/1999	04/30/1999

Contract Audit #710171

Samples Collected By: Mr. Hoyt Sutphin (Safety-Kleen)

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. These results apply only to the samples analyzed. Reproduction of this report only in whole is permitted. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Procedures used follow TestAmerica Standard Operating Procedures which reference the methods listed on your report. Should you have questions regarding procedures or results, please do not hesitate to call. TestAmerica has been pleased to provide these analytical services for you.

This Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Approved by:

Mary Pearson
Project Manager

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mr. Ken Rose
SAFETY-KLEEN
5665 Flatiron Pkwy
Boulder, CO 80301

05/10/1999

Sample No. : 524561

Job No.: 99.04374

Sample Description: MW-5
UPPR Sedalia; 605120

Date Taken: 04/27/1999
Time Taken: 17:20
IEPA Cert. No. 100221

Date Received: 04/30/1999
Time Received: 10:30
WDNR Cert. No. 999447130

Parameter	Results		Units	Date of Analysis	Method PQL	Analyst	Batch No. Prep/Run		Analytical Method
Prep, TPH 8015M - AQUEOUS	extracted			05/04/1999		jce	196		SW 8015M
TPH MODIFIED 8015									
TPH as Gasoline	1.80	PT	mg/L	05/07/1999	1.0	btl	196	351	SW 8015M
TPH as Diesel Fuel	<1.0		mg/L	05/07/1999	1.0	btl	196	351	SW 8015M
N-octacosane (TPH surr)	113.0		%	05/07/1999		btl	196	351	SW 8015M
UST VOLATILES 8260 - AQUEOUS									
Benzene	27		ug/L	05/06/1999	1.0	pll		2906	SW 8260A
Ethyl Benzene	1.2		ug/L	05/06/1999	1.0	pll		2906	SW 8260A
Toluene	1.8		ug/L	05/06/1999	1.0	pll		2906	SW 8260A
Xylenes, Total	2.0		ug/L	05/06/1999	1.0	pll		2906	SW 8260A
Surr: Toluene-d8	99.2		%	05/06/1999	85-117	pll		2906	SW 8260A
Surr: Bromofluorobenzene	97.2		%	05/06/1999	80-116	pll		2906	SW 8260A
Surr: Dibromofluoromethane	105.0		%	05/06/1999	75-130	pll		2906	SW 8260A

PT : Pattern does not match the calibration standard; however, hydrocarbons are present in the gasoline range.

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TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mr. Ken Rose
SAFETY-KLEEN
5665 Flatiron Pkwy
Boulder, CO 80301

05/10/1999

Sample No. : 524562

Job No.: 99.04374

Sample Description: MW-7
UPPR Sedalia; 605120

Date Taken: 04/27/1999
Time Taken: 16:30
IEPA Cert. No. 100221

Date Received: 04/30/1999
Time Received: 10:30
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Method PQL	Analyst	Batch No. Prep/Run	Analytical Method
UST VOLATILES 8260 - AQUEOUS							
Benzene	<1.0	ug/L	05/07/1999	1.0	mjo	2909	SW 8260A
Ethyl Benzene	<1.0	ug/L	05/07/1999	1.0	mjo	2909	SW 8260A
Toluene	<1.0	ug/L	05/07/1999	1.0	mjo	2909	SW 8260A
Xylenes, Total	<1.0	ug/L	05/07/1999	1.0	mjo	2909	SW 8260A
Surr: Toluene-d8	104.8	%	05/07/1999	85-117	mjo	2909	SW 8260A
Surr: Bromofluorobenzene	92.4	%	05/07/1999	80-116	mjo	2909	SW 8260A
Surr: Dibromofluoromethane	108.8	%	05/07/1999	75-130	mjo	2909	SW 8260A

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ANALYTICAL REPORT

Mr. Ken Rose
SAFETY-KLEEN
5665 Flatiron Pkwy
Boulder, CO 80301

05/10/1999

Sample No. : 524563

Job No.: 99.04374

Sample Description: MW-8
UPPR Sedalia; 605120

Date Taken: 04/27/1999
Time Taken: 16:50
IEPA Cert. No. 100221

Date Received: 04/30/1999
Time Received: 10:30
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Method PQL	Analyst	Batch No. Prep/Run		Analytical Method
Prep, TPH 8015M - AQUEOUS	extracted		05/04/1999		jce	196		SW 8015M
TPH MODIFIED 8015								
TPH as Gasoline	<1.0	mg/L	05/07/1999	1.0	btl	196	351	SW 8015M
TPH as Diesel Fuel	<1.0	mg/L	05/07/1999	1.0	btl	196	351	SW 8015M
N-octacosane (TPH surr)	97.0	%	05/07/1999		btl	196	351	SW 8015M
UST VOLATILES 8260 - AQUEOUS								
Benzene	<1.0	ug/L	05/06/1999	1.0	pll		2906	SW 8260A
Ethyl Benzene	<1.0	ug/L	05/06/1999	1.0	pll		2906	SW 8260A
Toluene	<1.0	ug/L	05/06/1999	1.0	pll		2906	SW 8260A
Xylenes, Total	<1.0	ug/L	05/06/1999	1.0	pll		2906	SW 8260A
Surr: Toluene-d8	109.4	%	05/06/1999	85-117	pll		2906	SW 8260A
Surr: Bromofluorobenzene	109.2	%	05/06/1999	80-116	pll		2906	SW 8260A
Surr: Dibromofluoromethane	121.8	%	05/06/1999	75-130	pll		2906	SW 8260A

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TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mr. Ken Rose
SAFETY-KLEEN
5665 Flatiron Pkwy
Boulder, CO 80301

05/10/1999

Sample No. : 524564

Job No.: 99.04374

Sample Description: MW-6
UPPR Sedalia; 605120

Date Taken: 04/27/1999
Time Taken: 17:36
IEPA Cert. No. 100221

Date Received: 04/30/1999
Time Received: 10:30
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Method PQL	Analyst	Batch No. Prep/Run		Analytical Method
Prep, TPH 8015M - AQUEOUS	extracted		05/04/1999		jce	196		SW 8015M
TPH MODIFIED 8015								
TPH as Gasoline	<1.0	mg/L	05/07/1999	1.0	btl	196	351	SW 8015M
TPH as Diesel Fuel	<1.0	mg/L	05/07/1999	1.0	btl	196	351	SW 8015M
N-octacosane (TPH surr)	108.0	%	05/07/1999		btl	196	351	SW 8015M
UST VOLATILES 8260 - AQUEOUS								
Benzene	<1.0	ug/L	05/07/1999	1.0	mjo		2909	SW 8260A
Ethyl Benzene	<1.0	ug/L	05/07/1999	1.0	mjo		2909	SW 8260A
Toluene	<1.0	ug/L	05/07/1999	1.0	mjo		2909	SW 8260A
Xylenes, Total	<1.0	ug/L	05/07/1999	1.0	mjo		2909	SW 8260A
Surr: Toluene-d8	105.0	%	05/07/1999	85-117	mjo		2909	SW 8260A
Surr: Bromofluorobenzene	92.4	%	05/07/1999	80-116	mjo		2909	SW 8260A
Surr: Dibromofluoromethane	104.2	%	05/07/1999	75-130	mjo		2909	SW 8260A

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INCORPORATED

ANALYTICAL REPORT

Mr. Ken Rose
SAFETY-KLEEN
5665 Flatiron Pkwy
Boulder, CO 80301

05/10/1999

Sample No. : 524565

Job No.: 99.04374

Sample Description: MW-15
UPPR Sedalia; 605120

Date Taken: 04/27/1999
Time Taken: 17:12
IEPA Cert. No. 100221

Date Received: 04/30/1999
Time Received: 10:30
WDNR Cert. No. 999447130

Parameter	Results		Units	Date of Analysis	Method PQL	Analyst	Batch No. Prep/Run		Analytical Method
Prep, TPH 8015M - AQUEOUS	extracted			05/04/1999		jce	196		SW 8015M
TPH MODIFIED 8015									
TPH as Gasoline	1.70	PT	mg/L	05/07/1999	1.0	btl	196	351	SW 8015M
TPH as Diesel Fuel	<1.0		mg/L	05/07/1999	1.0	btl	196	351	SW 8015M
N-octacosane (TPH surr)	102.0		%	05/07/1999		btl	196	351	SW 8015M
UST VOLATILES 8260 - AQUEOUS									
Benzene	42		ug/L	05/08/1999	1.0	pll		2911	SW 8260A
Ethyl Benzene	1.7		ug/L	05/08/1999	1.0	pll		2911	SW 8260A
Toluene	2.9		ug/L	05/08/1999	1.0	pll		2911	SW 8260A
Xylenes, Total	3.8		ug/L	05/08/1999	1.0	pll		2911	SW 8260A
Surr: Toluene-d8	107.6		%	05/08/1999	85-117	pll		2911	SW 8260A
Surr: Bromofluorobenzene	92.2		%	05/08/1999	80-116	pll		2911	SW 8260A
Surr: Dibromofluoromethane	106.4		%	05/08/1999	75-130	pll		2911	SW 8260A

PT : Pattern does not match the calibration standard; however, hydrocarbons are present in the gasoline range.

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QUALITY CONTROL REPORT

CONTINUING CALIBRATION VERIFICATION

SAFETY-KLEEN
5665 Flatiron Pkwy
Boulder, CO 80301

05/10/1999

NET Job Number: 99.04374

Mr. Ken Rose

Analyte	Run Batch Number	CCV True Conc.	Conc. Found	Percent Recovery
TPH MODIFIED 8015				
TPH as Gasoline	351	2,500	2,714	108.6
TPH as Diesel Fuel	351	2,500	2,891	115.6
N-octacosane (TPH surr)	351	100	112	112.0
TPH MODIFIED 8015				
TPH as Gasoline	351	2,500	2,758	110.3
TPH as Diesel Fuel	351	2,500	2,596	103.8
N-octacosane (TPH surr)	351	100	101	101.0
TPH MODIFIED 8015				
TPH as Gasoline	351	2,500	2,779	111.2
TPH as Diesel Fuel	351	2,500	2,554	102.2
N-octacosane (TPH surr)	351	100	100	100.0
UST VOLATILES 8260 - AQUEOUS				
Benzene	2906	50.0	49.1	98.2
Ethyl Benzene	2906	50.0	51.1	102.2
Toluene	2906	50.0	50.4	100.8
Xylenes, Total	2906	150	153	102.0
UST VOLATILES 8260 - AQUEOUS				
Benzene	2909	50.0	54.0	108.0
Ethyl Benzene	2909	50.0	49.0	98.0
Toluene	2909	50.0	51.7	103.4
Xylenes, Total	2909	150	145	96.7
UST VOLATILES 8260 - AQUEOUS				
Benzene	2911	50.0	53.1	106.2
Ethyl Benzene	2911	50.0	49.7	99.4
Toluene	2911	50.0	53.0	106.0
Xylenes, Total	2911	150	147	98.0

CCV - Continuing Calibration Verification

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TestAmerica
INCORPORATED

QUALITY CONTROL REPORT

BLANK ANALYSIS

SAFETY-KLEEN
5665 Flatiron Pkwy
Boulder, CO 80301

05/10/1999

NET Job Number: 99.04374

Mr. Ken Rose

Analyte	Prep Batch Number	Run Batch Number	Blank Analysis Results	Units	Reporting Limit	Analytical Method
TPH MODIFIED 8015						SW 8015M
TPH as Gasoline	196	351	<1.0	mg/L	1.0	SW 8015M
TPH as Diesel Fuel	196	351	<1.0	mg/L	1.0	SW 8015M
N-octacosane (TPH surr)	196	351	106.0	%		SW 8015M
UST VOLATILES 8260 - AQUEOUS						SW 8260A
Benzene		2906	<1.0	ug/L	1.0	SW 8260A
Ethyl Benzene		2906	<1.0	ug/L	1.0	SW 8260A
Toluene		2906	<1.0	ug/L	1.0	SW 8260A
Xylenes, Total		2906	<1.0	ug/L	1.0	SW 8260A
Surr: Dibromofluoromethane		2906	103.0	%	75-130	SW 8260A
Surr: Toluene-d8		2906	102.8	%	85-117	SW 8260A
Surr: Bromofluorobenzene		2906	103.6	%	80-116	SW 8260A
UST VOLATILES 8260 - AQUEOUS						SW 8260A
Benzene		2909	<1.0	ug/L	1.0	SW 8260A
Ethyl Benzene		2909	<1.0	ug/L	1.0	SW 8260A
Toluene		2909	<1.0	ug/L	1.0	SW 8260A
Xylenes, Total		2909	<1.0	ug/L	1.0	SW 8260A
Surr: Dibromofluoromethane		2909	105.8	%	75-130	SW 8260A
Surr: Toluene-d8		2909	105.8	%	85-117	SW 8260A
Surr: Bromofluorobenzene		2909	92.6	%	80-116	SW 8260A
UST VOLATILES 8260 - AQUEOUS						SW 8260A
Benzene		2911	<1.0	ug/L	1.0	SW 8260A
Ethyl Benzene		2911	<1.0	ug/L	1.0	SW 8260A
Toluene		2911	<1.0	ug/L	1.0	SW 8260A
Xylenes, Total		2911	<1.0	ug/L	1.0	SW 8260A
Surr: Dibromofluoromethane		2911	107.2	%	75-130	SW 8260A
Surr: Toluene-d8		2911	106.2	%	85-117	SW 8260A
Surr: Bromofluorobenzene		2911	92.2	%	80-116	SW 8260A

Advisory Control Limits for Blanks:

All compounds should be less than the Reporting Limit, except for phthalate esters, toluene, methylene chloride, acetone and chloroform should be less than 5 times the Reporting Limit.

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TestAmerica
INCORPORATED

QUALITY CONTROL REPORT

LABORATORY CONTROL STANDARD

SAFETY-KLEEN
5665 Flatiron Pkwy
Boulder, CO 80301

05/10/1999

NET Job Number: 99.04374

Mr. Ken Rose

Analyte	Prep Batch Number	Run Batch Number	True Conc.	Conc. Found	LCS % Recovery
TPH MODIFIED 8015					
TPH as Gasoline	196	351	4.0	3.79	94.8
TPH as Diesel Fuel	196	351	4.0	4.32	108.0
N-octacosane (TPH surr)	196	351	100	107	107.0
UST VOLATILES 8260 - AQUEOUS					
Benzene		2906	20.0	21.3	106.5
Ethyl Benzene		2906	20.0	21.2	106.0
Toluene		2906	20.0	22.0	110.0
Xylenes, Total		2906	60.0	64.0	106.7
Surr: Dibromofluoromethane		2906	50.0	54.5	109.0
Surr: Toluene-d8		2906	50.0	54.3	108.6
Surr: Bromofluorobenzene		2906	50.0	53.5	107.0
UST VOLATILES 8260 - AQUEOUS					
Benzene		2909	20.0	21.6	108.0
Ethyl Benzene		2909	20.0	19.7	98.5
Toluene		2909	20.0	21.2	106.0
Xylenes, Total		2909	60.0	57.5	95.8
Surr: Dibromofluoromethane		2909	50.0	53.4	106.8
Surr: Toluene-d8		2909	50.0	53.8	107.6
Surr: Bromofluorobenzene		2909	50.0	48.2	96.4
UST VOLATILES 8260 - AQUEOUS					
Benzene		2911	20.0	23.4	117.0
Ethyl Benzene		2911	20.0	21.3	106.5
Toluene		2911	20.0	22.5	112.5
Xylenes, Total		2911	60.0	61.9	103.2
Surr: Dibromofluoromethane		2911	50.0	53.6	107.2
Surr: Toluene-d8		2911	50.0	53.3	106.6
Surr: Bromofluorobenzene		2911	50.0	47.2	94.4

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QUALITY CONTROL REPORT

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

SAFETY-KLEEN
5665 Flatiron Pkwy
Boulder, CO 80301

Mr. Ken Rose

05/10/1999

NET Job Number: 99.04374

Analyte	Prep Batch Number	Run Batch Number	Matrix Spike Result	Sample Result	Spike Amount	Units	Percent Recovery	MSD Result	MSD Spike Amount	Units	Percent Recovery	MS/MSD RPD
UST VOLATILES 8260 - AQUEOUS												
Benzene		2906	21.1	<1.0	20.0	ug/L	105.5	21.4	20.0	ug/L	107.0	1.4
Ethyl Benzene		2906	18.8	<1.0	20.0	ug/L	94.0	18.9	20.0	ug/L	94.5	0.5
Toluene		2906	19.5	<1.0	20.0	ug/L	97.5	20.5	20.0	ug/L	102.5	4.9
Xylenes, Total		2906	56.0	<1.0	60.0	ug/L	93.3	56.6	60.0	ug/L	94.3	1.1

NOTE: Matrix Spike Samples may not be samples from this job.

Advisory Control Limits for MS/MSDs:

For Inorganic Parameters and GC Volatiles, the spike recovery should be 75 - 125% if the spike added value was greater than or equal to one fourth of the sample result value. If not, the control limits are not established. The RPD for the MS/MSD pair should be less than 20.

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

RPD calculations are performed on the Percent Recovery calculated from the observed Matrix spike and Matrix Spike Duplicate results.

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TestAmerica, Bartlett Division

KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in the results column indicates the analyte was not detected at or above the reported value.
mg/L	:	Concentration in units of milligrams of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per million (ppm).
ug/g	:	Concentration in units of micrograms of analyte per gram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per million (ppm) or mg/Kg.
ug/L	:	Concentration in units of micrograms of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per billion (ppb).
ug/Kg	:	Concentration in units of micrograms of analyte per kilogram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per billion (ppb).
TCLP	:	These initials appearing in front of an analyte name indicate that the Toxicity Characteristic Leaching Procedure (TCLP) was performed for this test.
Surr:	:	These initials are the abbreviation for surrogate. Surrogates are compounds that are chemically similar to the compounds of interest. They are part of the method quality control requirements.
%	:	Percent; To convert ppm to %, divide the result by 10,000. To convert % to ppm, multiply the result by 10,000.
ICP	:	Indicates analysis was performed using Inductively Coupled Plasma Spectroscopy.
AA	:	Indicates analysis was performed using Atomic Absorption Spectroscopy.
GFAA	:	Indicates analysis was performed using Graphite Furnace Atomic Absorption Spectroscopy.
PQL	:	Practical Quantitation Limit; the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

Method References

(1) Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", USEPA SW-846, 3rd Edition, 1986.

(2) ASTM "American Society for Testing Materials"

(3) Methods 100 through 499: see "Methods for Chemical Analysis of Water and Wastes", USEPA, 600/4-79-020, Rev. 1983.

(4) See "Standard Methods for the Examination of Water and Wastewater", 17th Ed, APHA, 1989.

(5) Methods 600 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants", USEPA Federal Register Vol. 49 No. 209, October 1984.

(6) Methods 500 through 599: see "Methods for the Determination of Organic Compounds in Drinking Water," USEPA 600/4-88/039, Rev. 1988.

(7) See "Methods for the Determination of Metals in Environmental Samples", Supplement I EPA-600/R-94/111, May 1994.

(8) See "Standard Methods for the Examination of Water and Wastewater", 18th Ed., APHA, 1992.

(9) Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", USEPA SW-846, 3rd Edition, 1986, Including Updates I and II.

(10) This method is from the 2nd Edition of "Test Methods for Evaluating Solid Waste", USEPA SW-846. It has been dropped from the 3rd Edition, 1986.

CHAIN OF CUSTODY RECORD

TestAmerica INCORPORATED

COMPANY: Safety-Kleen
ADDRESS: 5665 Flatiron Pkway Boulder CO 80301
PHONE: 303-930-5567 FAX: 303-938-5520
PROJECT NAME/LOCATION: Old Hudson Station / Sedalia MO
PROJECT NUMBER: 605120
PROJECT MANAGER: Ken Rose

REPORT TO: Ken Rose (S-K)
INVOICE TO: Jeff McDermott (SPRR)
P.O. NO.
QUOTE NO.

SAMPLED BY (PRINT NAME): Hoyt Sutphin
SIGNATURE: Hoyt Sutphin
(PRINT NAME)
SIGNATURE

DATE	TIME	SAMPLE ID/DESCRIPTION	MATRIX	GRAB	COMP	# and Type of Containers: HCl	NaOH	HNO_3	H_2SO_4	OTHER	ANALYSES: TPH-Gas	TPH-Diesel	BTEX 8260	COMMENTS
4-27	17:20	MW-5	W			3				2	✓	✓	✓	
	16:30	MW-7	W			3				2	✓	✓	✓	* rec'd 2 broken bottles TPH-G & TPH-D
	4:50	MW-8	W			3				2	✓	✓	✓	
	5:36	MW-6	W			3				2	✓	✓	✓	rec'd 1 broken bottle TPH-G
	5:12	MW-15	W			3				2	✓	✓	✓	rec'd 1 broken bottle TPH-D
														* Cancel TPH MW-7, both containers broken.

To assist us in selecting the proper method

Is this work being conducted for regulatory compliance monitoring? Yes ✓ No
Is this work being conducted for regulatory enforcement action? Yes No ✓
Which regulations apply: RCRA UST ✓ Other NPDES Wastewater Drinking Water None

CONDITION OF SAMPLE:
BOTTLES INTACT? (YES) NO DM
FIELD FILTERED? ~~YES~~ / NO
COC SEALS PRESENT AND INTACT? ~~YES~~ / NO N/A
VOLATILES FREE OF HEADSPACE? (YES) / NO
TEMPERATURE UPON RECEIPT: 1.6 °C wet ice
Bottles supplied by LAB? (YES) / NO

SAMPLE REMAINDER DISPOSAL:
RETURN SAMPLE REMAINDER TO CLIENT VIA
I REQUEST LAB TO DISPOSE OF ALL SAMPLE REMAINDERS 16.125
DATE 4-27-99

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	RELINQUISHED BY:	DATE	TIME	RECEIVED FOR LAB BY:
	4-29-99		FEDEX		4/30/99	1030	P. Merrill

METHOD OF SHIPMENT: Fed Ex
REMARKS:

PT 1 - ORIGINAL - WHITE PT 2 - PROJECT MANAGER - YELLOW PT 3 - CUSTOMER COPY - PINK