ONSITE
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LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/23/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/23/97	**Client:**	Kennedy/Jenks
Report Number:	1D065A.RPT	**Project:**	974002.00
Lab Number:	1D065	**Units Soil:**	mg/Kg
Date Reported:	4/24/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D065-01	**2BB-5-10-1**	4/23/97	4/23/97	ND	1	Soil
1D065-02	**2BB-5-10-4**	4/23/97	4/23/97	ND	1	Soil
1D065-03	**2BB-5-10-10**	4/23/97	4/23/97	ND	1	Soil
1D065-04	**2BB-6-1-4**	4/23/97	4/23/97	ND	1	Soil
1D065-05	**2BB-6-1-10**	4/23/97	4/23/97	ND	1	Soil
1D065-06	**2BB-6-1-20**	4/23/97	4/23/97	ND	1	Soil
1D065-07	**2BB-6-1-30**	4/23/97	4/23/97	ND	1	Soil
1D065-08	**2BB-6-1-40**	4/23/97	4/23/97	ND	1	Soil
1D065-09	**2BB-6-1-50**	4/23/97	4/23/97	ND	1	Soil
1D065-10	**2BB-5-12-1**	4/23/97	4/23/97	ND	1	Soil
1D065-11	**2BB-5-12-4**	4/23/97	4/23/97	ND	1	Soil
1D065-12	**2BB-5-12-10**	4/23/97	4/23/97	ND	1	Soil
1D065-13	**2BB-6-2-1**	4/23/97	4/23/97	ND	1	Soil
1D065-14	**2BB-6-2-4**	4/23/97	4/23/97	ND	1	Soil
1D065-15	**2BB-6-2-10**	4/23/97	4/23/97	ND	1	Soil
1D065-16	**2BB-6-2-20**	4/23/97	4/23/97	ND	1	Soil
1D065-17	**2BB-6-2-30**	4/23/97	4/23/97	ND	1	Soil
1D065-18	**2BB-6-2-40**	4/23/97	4/23/97	ND	1	Soil
1D065-19	**2BB-6-2-50**	4/23/97	4/23/97	ND	1	Soil
1D065-20	**2BB-5-16-1**	4/23/97	4/23/97	**410**	10	Soil
1D065-21	**2BB-5-16-4**	4/23/97	4/23/97	**440**	10	Soil
1D065-22	**2BB-5-16-7**	4/23/97	4/23/97	**6200**	100	Soil
1D065-23	**2BB-5-16-10**	4/23/97	4/23/97	**23000**	100	Soil

Reporting Limits SOIL mg/Kg	10

NOTES
NR - Not requested
ND - Analytes not detected at, or above the reporting limit
mg/Kg - Milligrams per kilogram (PPM)
ug/L - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit - Equals detection limit times the dilution factor.
M - Matrix effects
DF - Dilution Factor

PROCEDURES:
TRPH - This analysis was performed using EPA Method 418.1

CERTIFICATION:
California Department of Health Services ELAP
Onsite Environmental Laboratories, 5500 Boscell Common, Fremont, CA 94538 (510) 498-8571

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/23/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/23/97	**Client:**	Kennedy/Jenks
Report Number:	1D065B.RPT	**Project:**	974002.00
Lab Number:	1D065	**Units Soil:**	mg/Kg
Date Reported:	4/24/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D065-24	2BB-5-16-15	4/23/97	4/23/97	ND	1	Soil
1D065-25	2BB-5-16-20	4/23/97	4/23/97	ND	1	Soil
1D065-26	2BB-5-16-25	4/23/97	4/23/97	ND	1	Soil
1D065-27	2BB-36-15-4	4/23/97	4/23/97	51	1	Soil
1D065-28	2BB-36-15-10	4/23/97	4/23/97	ND	1	Soil
1D065-29	2BB-36-15-15	4/23/97	4/23/97	ND	1	Soil
1D065-30	2BB-36-15-20	4/23/97	4/23/97	ND	1	Soil
1D065-31	2BB-36-15-25	4/23/97	4/23/97	ND	1	Soil
1D065-32	2BB-6-3-1	4/23/97	4/23/97	ND	1	Soil
1D065-33	2BB-6-3-4	4/23/97	4/23/97	ND	1	Soil
1D065-34	2BB-6-3-10	4/23/97	4/23/97	ND	1	Soil
1D065-35	2BB-6-3-20	4/23/97	4/23/97	ND	1	Soil
1D065-36	2BB-6-3-30	4/23/97	4/23/97	ND	1	Soil
1D065-37	2BB-6-3-40	4/23/97	4/23/97	ND	1	Soil
1D065-38	2BB-6-3-50	4/23/97	4/23/97	ND	1	Soil
1D065-39	2BB-1-27A-1	4/23/97	4/23/97	ND	1	Soil
1D065-40	2BB-1-27A-4	4/23/97	4/23/97	19	1	Soil
1D065-41	2BB-1-27A-10	4/23/97	4/23/97	ND	1	Soil
1D065-42	2BB-1-27B-1	4/23/97	4/23/97	23	1	Soil
1D065-43	2BB-1-27B-4	4/23/97	4/23/97	ND	1	Soil
1D065-44	2BB-1-27B-10	4/23/97	4/23/97	ND	1	Soil
1D065-45	2BB-6-4-4	4/23/97	4/23/97	ND	1	Soil
1D065-46	2BB-6-4-10	4/23/97	4/23/97	ND	1	Soil

Reporting Limits SOIL mg/Kg	10

NOTES:
NR - Not requested
ND - Analytes not detected at, or above the reporting limit
mg/Kg - Milligrams per kilogram (PPM)
ug/L - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit. Equals detection limit times the dilution factor.
M - Matrix effects
DL - Dilution Factor

PROCEDURES:
TRPH - This analysis was performed using EPA Method 418.1

CERTIFICATION:
California Department of Health Services ELAP
Onsite Environmental Laboratories, 5500 Boscell Common, Fremont, CA 94538 (510) 498-8571

Gareth Voigt
Laboratory Director

JUN 04 1997
Date

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Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/23/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/23/97	**Client:**	Kennedy/Jenks
Report Number:	1D065B.RPT	**Project:**	974002.00
Lab Number:	1D065	**Units Soil:**	mg/Kg
Date Reported:	4/24/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D065-47	**2BB-6-4-20**	4/23/97	4/23/97	ND	1	Soil
1D065-48	**2BB-6-4-30**	4/23/97	4/23/97	ND	1	Soil
1D065-49	**2BB-6-4-40**	4/23/97	4/23/97	ND	1	Soil
1D065-50	**2BB-6-4-50**	4/23/97	4/23/97	ND	1	Soil

Reporting Limits SOIL mg/Kg	10

NOTES:
NR - Not requested
ND - Analytes not detected at, or above the reporting limit
mg/Kg - Milligrams per kilogram (PPM)
ug/L - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit Equals detection limit times the dilution factor.
M - Matrix effects
DF - Dilution Factor

PROCEDURES:
TRPH - This analysis was performed using EPA Method 418.1

CERTIFICATION:
California Department of Health Services ELAP
Onsite Environmental Laboratories, 5500 Boscell Common, Fremont, CA 94538 (510) 490-8571

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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Analytical Laboratory Report
TPH-E Diesel, TPH-E Motor Oil
EPA Method 8015 Modified

Date Sampled: 4/23/97
Date Received: 4/23/97
Report Number: 1D065E.RPT
Lab Number: 1D065
Date Reported: 4/27/97

Proj Mgr: Rus Purcell
Client: Kennedy/Jenks
Project: McDonnell Douglas
Units Soil: mg/Kg

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TPH-E Diesel	TPH-E Motor Oil	TPH-E Sur. %	TPH-E DF	Matrix
1D065-20	**2BB-5-16-1**	4/24/97	4/25/97	ND	**200***	80	1	Soil
1D065-21	**2BB-5-16-4**	4/24/97	4/25/97	ND	**140***	65	1	Soil
1D065-22	**2BB-5-16-7**	4/24/97	4/24/97	**18,000***	ND	D	100	Soil
1D065-23	**2BB-5-16-10**	4/24/97	4/24/97	**15,000***	ND	D	100	Soil
1D065-27	**2BB-36-15-4**	4/24/97	4/24/97	ND	ND	72	1	Soil
Reporting Limits SOIL mg/Kg				10	10			

NOTES:
NR - Not requested
NC - Not confirmed
ND - Analytes not detected at, or above the reporting limit
Sur. % - Percent surrogate recovery
mg/Kg - Milligrams per kilogram (PPM)
PQL - Practical Quantitation Limit Equals detection limit times the dilution factor
D - Surrogate was diluted out
M - Matrix effects
DF - Dilution Factor
* - Sample chromatogram does not match standard chromatogram
TPH-E Diesel - Total petroleum hydrocarbons extractable quantitated as Diesel
TPH-E Motor Oil - Total petroleum hydrocarbons extractable quantitated as Motor Oil

PROCEDURES:
TPH-E - This analysis was performed using EPA Method 8015 Mod.

CERTIFICATION:
California Department of Health Services ELAP
Onsite Environmental Laboratories, 5500 Boscell Common, Fremont, CA 94538 (510) 490-8571

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

METHOD : EPA 8260 | Project No: 974002.00 | REPORTING UNITS : µg/Kg

DATE ANALYZED			4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D065-01	1D065-02	1D065-03	1D065-04	1D065-05	1D065-06	1D065-07
CLIENT SAMPLE ID :			2BB-5-10-1	2BB-5-10-4	2BB-5-10-10	2BB-6-1-4	2BB-6-1-10	2BB-6-1-20	2BB-6-1-30
EXTRACTION SOLVENT									
EXTRACTION METHOD									
DILUTION FACTOR			1	1	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	108%	109%	107%	93%	92%	91%	91%
Toluene-d8	50	80%-115%	106%	104%	105%	111%	111%	112%	111%
4-Bromofluorobenzene	50	75%-125%	97%	95%	98%	93%	91%	91%	92%

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed

Gavin Voigt
Laboratory Director

MAY 0 9 1997
Date

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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

METHOD : EPA 8260 Project No: 974002.00 REPORTING UNITS : µg/Kg

		DATE ANALYZED	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D065-08	1D065-09	1D065-10	1D065-11	1D065-12	1D065-13	1D065-14
		CLIENT SAMPLE ID :	2BB-6-1-40	2BB-6-1-50	2BB-5-12-1	2BB-5-12-4	2BB-5-12-10	2BB-6-2-1	2BB-6-2-4
		EXTRACTION SOLVENT							
		EXTRACTION METHOD							
		DILUTION FACTOR	1	1	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	**15**	**52**	ND	ND	ND	ND	**9.6**
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	91%	93%	111%	109%	109%	91%	93%
Toluene-d8	50	80%-115%	111%	110%	104%	105%	105%	112%	110%
4-Bromofluorobenzene	50	75%-125%	89%	91%	96%	95%	96%	92%	93%

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

METHOD : EPA 8260 | Project No: 974002.00 | REPORTING UNITS : µg/Kg

DATE ANALYZED			4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D065-15	1D065-16	1D065-17	1D065-18	1D065-19	1D065-20	1D065-21
CLIENT SAMPLE ID :			2BB-6-2-10	2BB-6-2-20	2BB-6-2-30	2BB-6-2-40	2BB-6-2-50	2BB-5-16-1	2BB-5-16-4
EXTRACTION SOLVENT									
EXTRACTION METHOD									
DILUTION FACTOR			1	1	1	1	1	1.9	1.5
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	ND	9.1	ND	16	19	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	86%	92%	90%	89%	93%	112%	113%
Toluene-d8	50	80%-115%	110%	111%	111%	112%	112%	104%	104%
4-Bromofluorobenzene	50	75%-125%	91%	93%	93%	92%	91%	95%	93%

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

METHOD : EPA 8260 | Project No: 974002.00 | REPORTING UNITS : µg/Kg

DATE ANALYZED			4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97
DATE EXTRACTED			4/22/97	4/23/97	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D065-22	1D065-23	1D065-24	1D065-25	1D065-26	1D065-27	1D065-28
CLIENT SAMPLE ID :			2BB-5-16-7	2BB-5-16-10	2BB-5-16-15	2BB-5-16-20	2BB-5-16-25	2BB-36-15-4	2BB-36-15-10
EXTRACTION SOLVENT			MEOH	MEOH					
EXTRACTION METHOD			3580A	3580A					
DILUTION FACTOR			100	200	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND	ND	120	32
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	ND	ND	ND	ND	ND	170	33
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	300000**	530000**	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	95%	91%	107%	90%	88%	110%	109%
Toluene-d8	50	80%-115%	111%	111%	105%	111%	111%	104%	105%
4-Bromofluorobenzene	50	75%-125%	94%	95%	99%	89%	92%	96%	96%

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed
** - Sample chromatogram dos not match gasoline standard chromatogram

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

METHOD : EPA 8260 | Project No: 974002.00 | REPORTING UNITS : µg/Kg

		DATE ANALYZED	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D065-29	1D065-30	1D065-31	1D065-32	1D065-33	1D065-34	1D065-35
		CLIENT SAMPLE ID :	2BB-36-15-15	2BB-36-15-20	2BB-36-15-25	2BB-6-3-1	2BB-6-3-4	2BB-6-3-10	2BB-6-3-20
		EXTRACTION SOLVENT							
		EXTRACTION METHOD							
		DILUTION FACTOR	1	1	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	92	21	78	ND	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	89	35	78	23	ND	13	5.9
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	110%	114%	113%	108%	108%	108%	108%
Toluene-d8	50	80%-115%	105%	105%	106%	104%	105%	107%	105%
4-Bromofluorobenzene	50	75%-125%	96%	96%	96%	93%	100%	100%	98%

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

METHOD : EPA 8260 | Project No: 974002.00 | REPORTING UNITS : µg/Kg

		DATE ANALYZED	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/24/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D065-36	1D065-37	1D065-38	1D065-39	1D065-40	1D065-41	1D065-42
		CLIENT SAMPLE ID :	2BB-6-3-30	2BB-6-3-40	2BB-6-3-50	2BB-1-27A-1	2BB-1-27A-4	2BB-1-27A-10	2BB-1-27B-1
		EXTRACTION SOLVENT							
		EXTRACTION METHOD							
		DILUTION FACTOR	1	1	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	ND	34	6.2	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	5.1	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	104%	107%	106%	92%	95%	94%	86%
Toluene-d8	50	80%-115%	105%	105%	106%	111%	109%	114%	108%
4-Bromofluorobenzene	50	75%-125%	99%	99%	98%	90%	85%	90%	90%

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed

Laboratory Director

Date MAY 0 9 1997

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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

METHOD : EPA 8260 | Project No: 974002.00 | REPORTING UNITS : µg/Kg

		DATE ANALYZED	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D065-43	1D065-44	1D065-45	1D065-46	1D065-47	1D065-48	1D065-49
		CLIENT SAMPLE ID : 2BB-	1-27B-4	1-27B-10	6-4-4	6-4-10	6-4-20	6-4-30	6-4-40
		EXTRACTION SOLVENT							
		EXTRACTION METHOD							
		DILUTION FACTOR	1	1	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	ND	ND	17	33	16	34	15
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	94%	92%	108%	107%	107%	108%	105%
Toluene-d8	50	80%-115%	110%	111%	106%	105%	105%	105%	105%
4-Bromofluorobenzene	50	75%-125%	89%	90%	98%	99%	97%	98%	98%

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

Printed on recycled paper.

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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

METHOD : EPA 8260 | Project No: 974002.00 | REPORTING UNITS : µg/Kg

		DATE ANALYZED	4/23/97
		DATE EXTRACTED	N/A
		LAB SAMPLE ID	1D065-50
		CLIENT SAMPLE ID : 2BB-	6-4-55
		EXTRACTION SOLVENT	
		EXTRACTION METHOD	
		DILUTION FACTOR	1
COMPOUND		CRDL	
Benzene		5	ND
Bromodichloromethane		5	ND
Bromoform		5	ND
Bromomethane		5	ND
Carbon tetrachloride		5	ND
Chlorobenzene		5	ND
Chloroethane		5	ND
Chloroform		5	ND
Chloromethane		5	ND
Dibromochloromethane		5	ND
1,2-Dichlorobenzene		5	ND
1,3-Dichlorobenzene		5	ND
1,4-Dichlorobenzene		5	ND
Dichlorodifluoromethane (Freon 12)		5	ND
1,1-Dichloroethane (1,1-DCA)		5	ND
1,2-Dichloroethane (1,2-DCA)		5	ND
1,1-Dichloroethene (1,1-DCE)		5	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND
1,2-Dichloropropane		5	ND
cis-1,3-Dichloropropene		5	ND
trans-1,3-Dichloropropene		5	ND
Ethyl benzene		5	ND
Methylene chloride (Dichloromethane)		5	ND
1,1,1,2-Tetrachloroethane		5	ND
1,1,2,2-Tetrachloroethane		5	ND
Tetrachloroethene (PCE)		5	ND
Toluene		5	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND
Trichloroethene (TCE)		5	13
Trichlorofluoromethane (Freon 11)		5	ND
m,p-Xylenes		5	ND
o-Xylene		5	ND
Vinyl chloride (VC)		5	ND
TPH as gasoline		1000	ND
SURROGATE	SPK conc	ACP %	%RC
Dibromofluoromethane	50	75%-120%	108%
Toluene-d8	50	80%-115%	106%
4-Bromofluorobenzene	50	75%-125%	98%

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M- Matrix effect confirmed

Gareth Voigt

Laboratory Director

MAY 0 9 1997

Date

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ENVIRONMENTAL
LABORATORIES, INC.

QC DATA REPORT
TRPH
EPA Method 418.1

Date Sampled:	4/23/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/23/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/23/97	**Project:**	974002.00
Date Extracted:	4/23/97	**Matrix:**	Soil
Report Number:	0423C.QAC	**Units:**	mg/Kg
Lab Number:	2BB-6-4-50, 1D065-50		

Parameter	Blank 1 Result mg/Kg	Blank 2 Result mg/Kg	Spike Level mg/Kg	LCS Result mg/Kg	LCS Recov. %	Sample Result mg/Kg	MS Result mg/Kg	MS Recov. %	MSD Result mg/Kg	MSD Recov. %	RPD %
418.1	ND	ND	25.0	23.9	96	0.0	25.3	101	27.0	108	6.5

DEFINITION OF TERMS:

ND - Analytes not detected at, or above the reporting limit
MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference (MS - MSD) ÷ ((MS + MSD)/2) X 100
LCS - Laboratory Control Spike
LCSD- Laboratory Control Spike Duplicate

LABORATORY QC CRITERIA

Parameter	Acceptable % Recoveries		
TRPH	60%	to	140%
%RPD	0%	to	35%

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LABORATORIES, INC.

QC DATA REPORT
TRPH
EPA Method 418.1

Date Sampled:	4/23/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/23/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/23/97	**Project:**	974002.00
Date Extracted:	4/23/97	**Matrix:**	Soil
Report Number:	0423B.QAC	**Units:**	mg/Kg
Lab Number:	2BB-36-15-25, 1D065-31		

Parameter	Blank 1 Result mg/Kg	Blank 2 Result mg/Kg	Spike Level mg/Kg	LCS Result mg/Kg	LCS Recov. %	Sample Result mg/Kg	MS Result mg/Kg	MS Recov. %	MSD Result mg/Kg	MSD Recov. %	RPD %
418.1	ND	ND	25.0	25.3	101	0.0	27.7	111	26.3	105	5.2

DEFINITION OF TERMS:

ND - Analytes not detected at, or above the reporting limit
MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference (MS - MSD) / ((MS + MSD)/2) X 100
LCS - Laboratory Control Spike
LCSD- Laboratory Control Spike Duplicate

LABORATORY QC CRITERIA

Parameter	Acceptable % Recoveries		
TRPH	60%	to	140%
%RPD	0%	to	35%

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QC DATA REPORT
TRPH
EPA Method 418.1

Date Sampled:	4/23/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/23/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/23/97	**Project:**	974002.00
Date Extracted:	4/23/97	**Matrix:**	Soil
Report Number:	0423A.QAC	**Units:**	mg/Kg
Lab Number:	2BB-5-12-10, 1D065-12		

Parameter	Blank 1 Result mg/Kg	Blank 2 Result mg/Kg	Spike Level mg/Kg	LCS Result mg/Kg	LCS Recov. %	Sample Result mg/Kg	MS Result mg/Kg	MS Recov. %	MSD Result mg/Kg	MSD Recov. %	RPD %
418.1	ND	ND	25.0	23.6	94	0.0	24.6	98	25.3	101	2.8

DEFINITION OF TERMS:

D - Analytes not detected at, or above the reporting limit
MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference (MS - MSD) / ((MS + MSD)/2) X 100
LCS - Laboratory Control Spike
LCSD- Laboratory Control Spike Duplicate

LABORATORY QC CRITERIA

Parameter	Acceptable % Recoveries		
TRPH	60%	to	140%
%RPD	0%	to	35%

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QC DATA REPORT
TPH-E
EPA Method 8015 Modified

Date Sampled:	4/22/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/23/97, 4/24/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/24/97, 4/25/97	**Project:**	974002.00
Date Extracted:	4/24/97	**Matrix:**	Soil
Report Number:	0422SD.QAC	**Units:**	mg/Kg
Lab Number:	DIESEL: 2BB-6-5-4.5, 1D066-08 MOTOR OIL: 2BB-36-15-4, 1D065-17		

Parameter	Blank Result mg/Kg	Spike Level mg/Kg	LCS Result mg/Kg	LCS Recov. %	Sample Result mg/Kg	MS Result mg/Kg	MS Recov. %	MSD Result mg/Kg	MSD Recov. %	RPD %
TPH-E diesel	ND	100	97.4	97	0.0	67.3	67	70.6	71	4.8
TPH-E mo	ND	107	111	104	0.0	190	178	190	178	<1%
surr %rec dies.	109			89	83		87		100	
surr %rec mo				88	72		72		75	

DEFINITION OF TERMS:

ND - Analytes not detected at, or above the reporting limit
MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference (MS - MSD) /((MS + MSD)/2) X 100
LCS - Laboratory Control Spike
LCSD- Laboratory Control Spike Duplicate

LABORATORY QC CRITERIA

Parameter	Acceptable % Recoveries		
TPH-E	65%	to	135%
%RPD	0%	to	35%

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ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QA/QC REPORT FOR ORGANICS

Laboratory Quality Control Check Sample (LCS)

METHOD : EPA 8260 Project No: 974002.00 **REPORTING UNITS : µg/L - LCS**
µg/Kg - MB

DATE PERFORMED: 4/23/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/23 #1 MS2
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/23 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	27.5	110%	85%-115%
Bromodichloromethane		ND	25	26.8	107%	85%-115%
Bromoform		ND	25	22.7	91%	85%-115%
Bromomethane		ND	25	24.3	97%	85%-115%
Carbon tetrachloride		ND	25	25.1	100%	85%-115%
Chlorobenzene		ND	25	24.2	97%	85%-115%
Chloroethane		ND	25	25.8	103%	85%-115%
Chloroform		ND	25	28.0	112%	85%-115%
Chloromethane		ND	25	30.5	122%	85%-115%
Dibromochloromethane		ND	25	23.4	94%	85%-115%
1,2-Dichlorobenzene		ND	25	25.4	102%	85%-115%
1,3-Dichlorobenzene		ND	25	25.8	103%	85%-115%
1,4-Dichlorobenzene		ND	25	25.4	101%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	22.4	90%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	28.8	115%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	27.3	109%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	29.6	119%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	28.4	114%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	28.5	114%	85%-115%
1,2-Dichloropropane		ND	25	27.5	110%	85%-115%
cis-1,3-Dichloropropene		ND	25	27.2	109%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.4	106%	85%-115%
Ethyl benzene		ND	25	25.4	102%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	28.9	115%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	22.4	89%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	28.2	113%	85%-115%
Tetrachloroethene (PCE)		ND	25	22.6	91%	85%-115%
Toluene		ND	25	26.9	108%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	27.1	108%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	27.2	109%	85%-115%
Trichloroethene (TCE)		ND	25	26.4	105%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	21.7	87%	85%-115%
m,p-Xylenes		ND	50	48.1	96%	85%-115%
o-Xylene		ND	25	24.1	96%	85%-115%
Vinyl chloride (VC)		ND	25	24.4	97%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	106%		105%		
Toluene-d8	50	106%		106%		
4-Bromofluorobenzene	50	93%		98%		

Notes : ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QA/QC REPORT FOR ORGANICS

Laboratory Quality Control Check Sample (LCS)

METHOD : EPA 8260 Project No: 974002.00 **REPORTING UNITS : µg/L - LCS**
µg/Kg - MB

DATE PERFORMED: 4/23/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/23 #2 MS2
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/23 #2	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	29.2	117%	85%-115%
Bromodichloromethane		ND	25	27.4	110%	85%-115%
Bromoform		ND	25	23.4	94%	85%-115%
Bromomethane		ND	25	29.5	118%	85%-115%
Carbon tetrachloride		ND	25	23.9	96%	85%-115%
Chlorobenzene		ND	25	23.2	93%	85%-115%
Chloroethane		ND	25	24.2	97%	85%-115%
Chloroform		ND	25	26.4	106%	85%-115%
Chloromethane		ND	25	31.8	127%	85%-115%
Dibromochloromethane		ND	25	23.3	93%	85%-115%
1,2-Dichlorobenzene		ND	25	25.2	101%	85%-115%
1,3-Dichlorobenzene		ND	25	25.0	100%	85%-115%
1,4-Dichlorobenzene		ND	25	24.5	98%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	21.4	86%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	25.0	100%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	26.4	105%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	27.9	111%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	26.8	107%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	27.4	110%	85%-115%
1,2-Dichloropropane		ND	25	26.3	105%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.7	107%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.6	106%	85%-115%
Ethyl benzene		ND	25	26.0	104%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	28.5	114%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	23.3	93%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	25.4	102%	85%-115%
Tetrachloroethene (PCE)		ND	25	24.9	100%	85%-115%
Toluene		ND	25	29.1	116%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	24.3	97%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	28.6	114%	85%-115%
Trichloroethene (TCE)		ND	25	27.2	109%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	18.8	75%	85%-115%
m,p-Xylenes		ND	50	47.1	94%	85%-115%
o-Xylene		ND	25	23.6	94%	85%-115%
Vinyl chloride (VC)		ND	25	25.8	103%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	95%		94%		
Toluene-d8	50	113%		111%		
4-Bromofluorobenzene	50	91%		96%		

Notes : ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Project No: 974002.00

LABORATORY QA/QC REPORT FOR ORGANICS

METHOD : EPA 8260 **REPORTING UNITS : µg/Kg**

DATE PERFORMED: 4/23/97
BATCH #: 0423-1
LAB SAMPLE ID #: 1D065-19

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	128	102%	125	151	120%	16%	70%-130%	20
Chlorobenzene		ND	125	101	81%	125	118	95%	16%	70%-130%	20
Chloroform		ND	125	112	89%	125	129	103%	15%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	109	87%	125	126	101%	15%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	119	95%	125	138	110%	15%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	125	100%	125	147	117%	16%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	151	121%	125	177	142%	16%	70%-130%	20
Toluene		ND	125	128	103%	125	149	119%	15%	70%-130%	20
Trichloroethene (TCE)		19.2	125	208M	151%	125	167 M	118%	22%M	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	93%		91%			89%				
Toluene-d8	50	112%		110%			111%				
4-Bromofluorobenzene	50	91%		94%			93%				

Notes :
ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 09 1997
Date

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LABORATORIES, INC.

Project No: 974002.00

LABORATORY QA/QC REPORT FOR ORGANICS

METHOD : EPA 8260 **REPORTING UNITS : µg/Kg**

DATE PERFORMED: 4/23/97
BATCH #: 0423-3
LAB SAMPLE ID #: 1D065-26

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	132	105%	125	147	118%	11%	70%-130%	20
Chlorobenzene		ND	125	104	83%	125	117	94%	12%	70%-130%	20
Chloroform		ND	125	116	92%	125	128	103%	10%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	112	90%	125	125	100%	11%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	120	96%	125	139	112%	15%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	132	106%	125	146	117%	10%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	210	168%	125	230	184%	9%	70%-130%	20
Toluene		ND	125	132	106%	125	148	119%	12%	70%-130%	20
Trichloroethene (TCE)		ND	125	150	120%	125	170	136%	13%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	88%		88%			86%				
Toluene-d8	50	111%		112%			112%				
4-Bromofluorobenzene	50	92%		94%			95%				

Notes :
ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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LABORATORY QA/QC REPORT FOR ORGANICS

Laboratory Quality Control Check Sample (LCS)

METHOD : EPA 8260 Project No: 974002.00 **REPORTING UNITS : µg/L - LCS**
µg/Kg - MB

DATE PERFORMED: 4/23/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/23 #1 MS3
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/23 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	26.3	105%	85%-115%
Bromodichloromethane		ND	25	25.2	101%	85%-115%
Bromoform		ND	25	21.7	87%	85%-115%
Bromomethane		ND	25	20.0	80%	85%-115%
Carbon tetrachloride		ND	25	25.1	101%	85%-115%
Chlorobenzene		ND	25	25.4	101%	85%-115%
Chloroethane		ND	25	25.9	104%	85%-115%
Chloroform		ND	25	27.7	111%	85%-115%
Chloromethane		ND	25	27.0	108%	85%-115%
Dibromochloromethane		ND	25	23.8	95%	85%-115%
1,2-Dichlorobenzene		ND	25	25.4	101%	85%-115%
1,3-Dichlorobenzene		ND	25	25.4	102%	85%-115%
1,4-Dichlorobenzene		ND	25	25.3	101%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	23.7	95%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	29.0	116%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	26.9	108%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	26.8	107%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	26.4	106%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	27.3	109%	85%-115%
1,2-Dichloropropane		ND	25	26.7	107%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.1	105%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.2	105%	85%-115%
Ethyl benzene		ND	25	25.6	102%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	26.7	107%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	23.5	94%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	27.1	109%	85%-115%
Tetrachloroethene (PCE)		ND	25	23.0	92%	85%-115%
Toluene		ND	25	25.8	103%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	28.1	112%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	25.1	101%	85%-115%
Trichloroethene (TCE)		ND	25	25.1	100%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	19.6	79%	85%-115%
m,p-Xylenes		ND	50	51.1	102%	85%-115%
o-Xylene		ND	25	25.9	104%	85%-115%
Vinyl chloride (VC)		ND	25	22.1	88%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	108%		108%		
Toluene-d8	50	105%		105%		
4-Bromofluorobenzene	50	98%		100%		

Notes : ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Project No: 974002.00

LABORATORY QA/QC REPORT FOR ORGANICS

METHOD : EPA 8260 **REPORTING UNITS: µg/Kg**

DATE PERFORMED: 4/23/97
BATCH #: 0423-3
LAB SAMPLE ID #: 1D065-26

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	132	105%	125	147	118%	11%	70%-130%	20
Chlorobenzene		ND	125	104	83%	125	117	94%	12%	70%-130%	20
Chloroform		ND	125	116	92%	125	128	103%	10%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	112	90%	125	125	100%	11%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	120	96%	125	139	112%	15%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	132	106%	125	146	117%	10%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	210	168%	125	230	184%	9%	70%-130%	20
Toluene		ND	125	132	106%	125	148	119%	12%	70%-130%	20
Trichloroethene (TCE)		ND	125	150	120%	125	170	136%	13%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	88%		88%			86%				
Toluene-d8	50	111%		112%			112%				
4-Bromofluorobenzene	50	92%		94%			95%				

Notes :
ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 09 1997
Date

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LABORATORY QA/QC REPORT FOR ORGANICS

Laboratory Quality Control Check Sample (LCS)

METHOD : EPA 8260 Project No: 974002.00 **REPORTING UNITS : µg/L - LCS**
µg/Kg - MB

DATE PERFORMED: 4/23/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/23 #1 MS3
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/23 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	26.3	105%	85%-115%
Bromodichloromethane		ND	25	25.2	101%	85%-115%
Bromoform		ND	25	21.7	87%	85%-115%
Bromomethane		ND	25	20.0	80%	85%-115%
Carbon tetrachloride		ND	25	25.1	101%	85%-115%
Chlorobenzene		ND	25	25.4	101%	85%-115%
Chloroethane		ND	25	25.9	104%	85%-115%
Chloroform		ND	25	27.7	111%	85%-115%
Chloromethane		ND	25	27.0	108%	85%-115%
Dibromochloromethane		ND	25	23.8	95%	85%-115%
1,2-Dichlorobenzene		ND	25	25.4	101%	85%-115%
1,3-Dichlorobenzene		ND	25	25.4	102%	85%-115%
1,4-Dichlorobenzene		ND	25	25.3	101%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	23.7	95%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	29.0	116%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	26.9	108%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	26.8	107%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	26.4	106%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	27.3	109%	85%-115%
1,2-Dichloropropane		ND	25	26.7	107%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.1	105%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.2	105%	85%-115%
Ethyl benzene		ND	25	25.6	102%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	26.7	107%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	23.5	94%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	27.1	109%	85%-115%
Tetrachloroethene (PCE)		ND	25	23.0	92%	85%-115%
Toluene		ND	25	25.8	103%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	28.1	112%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	25.1	101%	85%-115%
Trichloroethene (TCE)		ND	25	25.1	100%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	19.6	79%	85%-115%
m,p-Xylenes		ND	50	51.1	102%	85%-115%
o-Xylene		ND	25	25.9	104%	85%-115%
Vinyl chloride (VC)		ND	25	22.1	88%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	108%		108%		
Toluene-d8	50	105%		105%		
4-Bromofluorobenzene	50	98%		100%		

Notes : ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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ONSITE ENVIRONMENTAL LABORATORIES, INC.

Project No. 974002.00

LABORATORY QA/QC REPORT FOR ORGANICS

Laboratory Quality Control Check Sample (LCS)

METHOD : EPA 8260

REPORTING UNITS : µg/L - LCS
µg/Kg - MB

DATE PERFORMED: 4/23/97
SUPPLY SOURCE: Absolute Standards, Inc.
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

LAB LCS ID: LCS 4/23 #2 MS3

ANALYTE		MB 4/23 #2	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	26.9	107%	85%-115%
Bromodichloromethane		ND	25	25.7	103%	85%-115%
Bromoform		ND	25	22.2	89%	85%-115%
Bromomethane		ND	25	20.2	81%	85%-115%
Carbon tetrachloride		ND	25	25.6	102%	85%-115%
Chlorobenzene		ND	25	26.3	105%	85%-115%
Chloroethane		ND	25	25.8	103%	85%-115%
Chloroform		ND	25	28.1	112%	85%-115%
Chloromethane		ND	25	28.5	114%	85%-115%
Dibromochloromethane		ND	25	24.5	98%	85%-115%
1,2-Dichlorobenzene		ND	25	26.4	105%	85%-115%
1,3-Dichlorobenzene		ND	25	26.3	105%	85%-115%
1,4-Dichlorobenzene		ND	25	26.1	104%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	22.9	92%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	29.3	117%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	27.4	109%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	27.1	108%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	27.3	109%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	27.6	110%	85%-115%
1,2-Dichloropropane		ND	25	26.9	108%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.6	106%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.4	105%	85%-115%
Ethyl benzene		ND	25	24.0	96%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	26.9	108%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	24.0	96%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	27.2	109%	85%-115%
Tetrachloroethene (PCE)		ND	25	23.6	94%	85%-115%
Toluene		ND	25	26.4	106%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	28.4	114%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	25.1	100%	85%-115%
Trichloroethene (TCE)		ND	25	25.6	102%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	18.6	74%	85%-115%
m,p-Xylenes		ND	50	52.6	105%	85%-115%
o-Xylene		ND	25	26.7	107%	85%-115%
Vinyl chloride (VC)		ND	25	23.3	93%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	107%		107%		
Toluene-d8	50	105%		106%		
4-Bromofluorobenzene	50	100%		100%		

Notes : ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample

Gareth Voigt

Laboratory Director

MAY 0 9 1997

Date

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ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Project No: 974002.00

LABORATORY QA/QC REPORT FOR ORGANICS

METHOD : EPA 8260 **REPORTING UNITS : µg/Kg**

DATE PERFORMED: 4/23/97
BATCH #: 0423-2
LAB SAMPLE ID #: 1D065-31

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	134	107%	125	138	111%	3%	70%-130%	20
Chlorobenzene		ND	125	118	94%	125	121	96%	2%	70%-130%	20
Chloroform		ND	125	144	115%	125	149	119%	3%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	160	128%	125	166	133%	4%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	146	117%	125	152	121%	4%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		78.1	125	187	87%	125	173	76%	8%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	139	111%	125	147	118%	6%	70%-130%	20
Toluene		ND	125	125	100%	125	131	105%	4%	70%-130%	20
Trichloroethene (TCE)		77.9	125	191	91%	125	175	78%	9%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	113%		110%			112%				
Toluene-d8	50	106%		106%			105%				
4-Bromofluorobenzene	50	96%		96%			96%				

Notes :
ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Daily Project Report

(To be kept with the daily project data files)

Project: Kennedy / Senks DAC

Date: 4/23/97

ONSITE Analysts/Technicians: MY, NW, SW, LT

Project Status (Circle One): Analyze Samples Standby Mob/Demob

Normal Hours and Overtime Hours Worked:

Normal Hours 10

Overtime Hours 2

Reason for Overtime

Sample Volume and Matrix

Samples Received and Matrix 50 soils for 8260 (8010/8020 1.5 & 418.1

Time Last Samples Received

Client Issues Raised:

ONSITE Action Plan:

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CHAIN OF CUSTODY RECO AND ANALYSIS REQUEST

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

Date:	4-23-97
Page:	1 of
Laboratory:	
Lab Number:	

Project Manager:	Rus Purcell
Client Name:	DAC
Address:	
City, State ZIP	
Phone:	
Fax:	

Bill to:	
Company:	Kennedy / Jenks
Address:	2151 Michelson Dr. Suite 100
City, State ZIP	Irvine CA. 92612
Phone:	714-261-1577
Fax:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8010/8020 by GC/MS	418.1				No. Containers	Remarks
2BB-5-10-1	4-23-97	0834	Soil	[illegible]	0810	MY	1D065-01				X	X				1	
2BB-5-10-4	"	0839	"	"	"		02				X	X				1	
2BB-5-10-10	"	0850	"	"	"		03				X	X				1	
2BB-6-1-4	"	0815	"	"	"		04				X	X				1	
2BB-6-1-10	"	0820	"	"	"		05				X	X				1	
2BB-6-1-20	"	0830	"	"	"		06				X	X				1	
2BB-6-1-30	"	0835	"	"	"		07				X	X				1	
2BB-6-1-40	"	0845	"	"	"		08				X	X				1	
2BB-6-1-50	"	0850	"	"	"		09				X	X				1	
2BB-5-12-1	"	0905	"	"	0930		10				X	X				1	
2BB 5-12-4	"	0908	"	"	"		11				X	X				1	
2BB-5-12-10	"	0915	"	"	"		12				X	X				1	

Initials:	Printed Name:	Signature:		
[illegible]	Shane Scrimshire	[illegible]	Date:	
MY	Michael Yurovsky	Michael Yurovsky	Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

BOE-C6-0145386

CHAIN OF CUSTODY RECO[illegible]D ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	Rus Purcell
Client Name:	DAC
Address:	
City, State ZIP	
Phone:	
Fax:	

Bill to:	
Company:	Kennedy / Jenks
Address:	2151 Michelson Dr. Suite 100
City, State ZIP	Irvine CA. 92612
Phone:	714-261-1577
Fax:	

Date:	4-23-97
Page:	2 of
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8010 Halogen by GC/MS	415.1				No. Containers	Remarks
2BB-6-2-1	4-23-97	0920	Soil	SS	0920	MY	10065-13				X	X				1	
2BB 6-2-4	"	0930	"	"	"		14				X	X				1	
2BB 6-2-10	"	0935	"	"	"		15				X	X				1	
2BB-6-2-20	"	0940	"	"	"		16				X	X				1	
2BB 6 2-30	"	0945	"	"	"		17				X	X				1	
2BB 6 2-40	"	0950	"	"	"		18				X	X				1	
2BB-6-2-50	"	0955	"	"	"		19				X	X				1	
2BB-5-16-1	"	0942	"	"	1035		20				X	X				1	
2BB-5-16-4	"	0945	"	"	"		21				X	X				1	
2BB-5-16-7	"	0953	"	"	"		22				X	X				1	
2BB-5-16-10	"	0958	"	"	"		23				X	X				1	
2BB-5-16-15	"	1005	"	"	"		24				X	X				1	
2BB-5-16-20	"	1014	"	"	"		25				X	X				1	
2BB-5-16-25	"	1023	"	"	"		26				X	X				1	

Initials:	Printed Name:	Signature:		
SS	Shane Scrimshire	[signature]	Date:	
MY	Michael Yurovsky	michael yurovsky	Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

BOE-C6-0145387

5500 Bocelli Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

ONSITE ENVIRONMENTAL LABORATORIES, INC.

[redacted]

Date:	4-23-97
Page:	3 of
Laboratory:	
Lab Number:	

Project Manager:	Rus Pure
Client Name:	DAC
Address:	
City, State ZIP	
Phone:	
Fax:	

Project Name:	DAC
Project Number:	974002.00

Bill to:	
Company:	Kennedy / Jenks
Address:	2151 Michelson Dr. Suite 100
City, State ZIP	Irvine CA, 92612
Phone:	714-261-1577
Fax:	

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8020/8020 by GC/MS	418.1				No. Containers	Remarks
2BB-36-15-4	4-23-97	1058	Soil	SLS	12:15	MY	10065-27				X	X				1	
2BB-36-15-10	"	1113	"	"			28				X	X				1	
2BB-36-15-15	"	1122	"	"			29				X	X				1	
2BB-36-15-20	"	1135	"	"			30				X	X				1	
2BB-36-15-25	"	1146	"	"			31				X	X				1	
2BB-6-3-1	"	1030	"	"			32				X	X				1	
2BB-6-3-4	"	1035	"	"			33				X	X				1	
2BB-6-3-10	"	1040	"	"			34				X	X				1	
2BB-6-3-20	"	1045	"	"			35				X	X				1	
2BB-6-3-30	"	1050	"	"			36				X	X				1	
2BB 6-3-40	"	1100	"	"			37				X	X				1	
2BB-6-3-50	"	1105	"	"			38				X	X				1	

Initials:	Printed Name:	Signature:		
SLS	Shane Scrimshire		Date:	
MY	Michael Yurovsky	Michael Yurovsky	Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

Client Sign-off:

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client