ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

1D049A.RPT

RECEIVED
MAY 12 1997

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/1/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/1/97	**Client:**	Kennedy/Jenks
Report Number:	1D049B.RPT	**Project:**	McDonnell Douglas
Lab Number:	1D049	**Units Soil:**	mg/Kg
Date Reported:	4/2/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D049-01	2BB-1-22-1	4/1/97	4/1/97	ND	1	Soil
1D049-02	2BB-1-22-4	4/1/97	4/1/97	ND	1	Soil
1D049-03	2BB-1-22-10	4/1/97	4/1/97	ND	1	Soil
1D049-04	2BB-1-22-15	4/1/97	4/1/97	ND	1	Soil
1D049-05	2BB-1-22-20	4/1/97	4/1/97	ND	1	Soil
1D049-06	2BB-1-22-25	4/1/97	4/1/97	ND	1	Soil
1D049-07	2BB-36-3-1	4/1/97	4/1/97	ND	1	Soil
1D049-08	2BB-36-3-5	4/1/97	4/1/97	70	1	Soil
1D049-09	2BB-36-3-10	4/1/97	4/1/97	ND	1	Soil
1D049-10	2BB-36-3-15	4/1/97	4/1/97	ND	1	Soil
1D049-11	2BB-36-3-20	4/1/97	4/1/97	ND	1	Soil
1D049-12	2BB-36-3-25	4/1/97	4/1/97	ND	1	Soil
1D049-13	2BB-1-20-1	4/1/97	4/1/97	20	1	Soil
1D049-14	2BB-1-20-4	4/1/97	4/1/97	3200	10	Soil
1D049-15	2BB-1-20-10	4/1/97	4/1/97	46	1	Soil
1D049-16	2BB-1-20-15	4/1/97	4/1/97	ND	1	Soil
1D049-17	2BB-1-20-20	4/1/97	4/1/97	ND	1	Soil
1D049-18	2BB-1-20-25	4/1/97	4/1/97	19	0.9	Soil
1D049-19	2BB-36-2-4	4/1/97	4/1/97	120	1	Soil
1D049-20	2BB-36-2-10	4/1/97	4/1/97	20	1	Soil
1D049-21	2BB-36-2-15	4/1/97	4/1/97	ND	1	Soil
1D049-22	2BB-36-2-20	4/1/97	4/1/97	21	1	Soil
1D049-23	2BB-36-2-25	4/1/97	4/1/97	ND	1	Soil

Reporting Limits SOIL mg/Kg	20

NOTES
NR - Not requested
ND - Analyte 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 Bonsell Common Fremont, CA 94538 (510) 490-8571

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/1/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/1/97	**Client:**	Kennedy/Jenks
Report Number:	1D049B.RPT	**Project:**	McDonnell Douglas
Lab Number:	1D049	**Units Soil:**	mg/Kg
Date Reported:	4/2/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D049-24	**2BB-1-19-1**	4/1/97	4/1/97	28000	100	Soil
1D049-25	**2BB-1-19-4**	4/1/97	4/1/97	64	1	Soil
1D049-26	**2BB-1-19-10**	4/1/97	4/1/97	ND	1	Soil
1D049-27	**2BB-1-19-15**	4/1/97	4/1/97	ND	1	Soil
1D049-28	**2BB-1-19-20**	4/1/97	4/1/97	ND	1	Soil
1D049-29	**2BB-1-19-25**	4/1/97	4/1/97	ND	1	Soil
1D049-30	**2BB-36-1-10**	4/1/97	4/1/97	ND	1	Soil
1D049-31	**2BB-36-1-15**	4/1/97	4/1/97	18	1	Soil
1D049-32	**2BB-36-1-20**	4/1/97	4/1/97	25	1	Soil
1D049-33	**2BB-36-1-25**	4/1/97	4/1/97	ND	1	Soil
1D049-34	**2BB-1-21-1**	4/1/97	4/1/97	ND	1	Soil
1D049-35	**2BB-1-21-4**	4/1/97	4/1/97	53	1	Soil
1D049-36	**2BB-1-21-10**	4/1/97	4/1/97	ND	1	Soil
1D049-37	**2BB-1-21-15**	4/1/97	4/1/97	ND	1	Soil
1D049-38	**2BB-1-21-20**	4/1/97	4/1/97	ND	1	Soil
1D049-39	**2BB-1-21-25**	4/1/97	4/1/97	ND	1	Soil

Reporting Limits SOIL mg/Kg	20

NOTES:
NR - Not requested
ND - Analyte 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 07 1997
Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

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

Date Sampled: 4/1/97
Date Received: 4/1/97
Report Number: 1D049d.RPT
Lab Number: 1D049
Date Reported: 4/4/97

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
1D049-08	2BB-36-3-5	4/3/97	4/4/97	ND	ND	110	1	Soil
1D049-14	2BB-1-20-4	4/3/97	4/3/97	ND	1800	D	10	Soil
1D049-15	2BB-1-20-10	4/3/97	4/3/97	ND	ND	96	1	Soil
1D049-19	2BB-36-2-4	4/3/97	4/3/97	ND	ND	97	1	Soil
1D049-24	2BB-1-19-1	4/3/97	4/3/97	ND	2200	D	10	Soil
1D049-25	2BB-1-19-4	4/3/97	4/3/97	ND	ND	93	1	Soil
1D049-35	2BB-1-21-4	4/3/97	4/4/97	ND	ND	105	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 and EPA Method 3550B

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

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/1/97	4/1/97	4/1/97	4/1/97	4/1/97	4/1/97	4/1/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D049-01	1D049-02	1D049-03	1D049-04	1D049-05	1D049-06	1D049-07
CLIENT SAMPLE ID			2BB-1-22-1	2BB-1-22-4	2BB-1-22-10	2BB-1-22-15	2BB-1-22-20	2BB-1-22-25	2BB-36-3-1
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	**27**	**5.7**	**8.6**	ND	**5.6**	**5.5**	**16**
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	**15**
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%-110%	102%	100%	104%	101%	106%	103%	106%
Toluene-d8	50	80%-115%	106%	102%	106%	102%	107%	103%	108%
4-Bromofluorobenzene	50	75%-125%	95%	101%	101%	102%	98%	102%	99%

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 07 1997
Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/1/97	4/1/97	4/1/97	4/1/97	4/1/97	4/1/97	4/1/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D049-08	1D049-09	1D049-10	1D049-11	1D049-12	1D049-13	1D049-14
		CLIENT SAMPLE ID	2BB-36-3-5	2BB-36-3-10	2BB-36-3-15	2BB-36-3-20	2BB-36-3-25	2BB-1-20-1	2BB-1-20-4
		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	**10**	**11**	**12**	**14**	**9.3**	**60**
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	**5.2**	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%-110%	100%	105%	103%	103%	104%	104%	102%
Toluene-d8	50	80%-115%	103%	106%	103%	105%	103%	104%	106%
4-Bromofluorobenzene	50	75%-125%	102%	100%	102%	99%	104%	97%	97%

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 07 1997

Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/1/97	4/1/97	4/1/97	4/1/97	4/1/97	4/1/97	4/1/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D049-15	1D049-16	1D049-17	1D049-18	1D049-19	1D049-20	1D049-21
CLIENT SAMPLE ID			2BB-1-20-10	2BB-1-20-15	2BB-1-20-20	2BB-1-20-25	2BB-36-2-4	2BB-36-2-10	2BB-36-2-15
EXTRACTION SOLVENT									
EXTRACTION METHOD									
DILUTION FACTOR			1	1	1	1 / 2*	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	**30**	**9.4**	**18**	**320***	ND	**8.2**	**28**
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	**5.2**
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	**23**	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	**9.9**	ND	**5.1**	**190**	**7.0**	**12**	**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%-110%	105%	108%	100%	104% / 101% *	104%	106%	108%
Toluene-d8	50	80%-115%	103%	106%	102%	103% / 103% *	105%	106%	105%
4-Bromofluorobenzene	50	75%-125%	98%	99%	102%	101% / 102% *	94%	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 07 1997

Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/1/97	4/1/97	4/1/97	4/1/97	4/1/97	4/1/97	4/1/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D049-22	1D049-23	1D049-24	1D049-25	1D049-26	1D049-27	1D049-28
		CLIENT SAMPLE ID	2BB-36-2-20	2BB-36-2-25	2BB-1-19-1	2BB-1-19-4	2BB-1-19-10	2BB-1-19-15	2BB-1-19-20
		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	**30**	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	**31**	**380**	ND	**28**	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	**7.7**	**120**	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	**22**	**25**	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND	ND	ND
1,1 1-Trichloroethane (1,1,1-TCA)		5	ND	**27**	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	**19**	**420**	ND	**8.9**	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%-110%	102%	102%	103%	109%	102%	105%	104%
Toluene-d8	50	80%-115%	102%	102%	101%	100%	103%	102%	104%
4-Bromofluorobenzene	50	75%-125%	100%	102%	98%	96%	102%	102%	99%

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

Matrix effect confirmed

Gareth Voigt

Laboratory Director

MAY 07 1997

Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/1/97	4/1/97	4/1/97	4/1/97	4/1/97	4/1/97	4/1/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D049-29	1D049-30	1D049-31	1D049-32	1D049-33	1D049-34	1D049-35
		CLIENT SAMPLE ID	2BB-1-19-25	2BB-36-1-10	2BB-36-1-15	2BB-36-1-20	2BB-36-1-25	2BB-1-21-1	2BB-1-21-4
		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	**5.7**	ND	**25**	ND	**5.4**
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	**9.1**	ND	**24**	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%-110%	106%	102%	105%	104%	107%	103%	105%
Toluene-d8	50	80%-115%	106%	107%	106%	106%	107%	102%	103%
4-Bromofluorobenzene	50	75%-125%	98%	100%	99%	98%	100%	99%	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

M - Matrix effect confirmed

Gareth Voigt

Laboratory Director

MAY 07 1997

Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/1/97	4/1/97	4/1/97	4/1/97
DATE EXTRACTED			N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D049-36	1D049-37	1D049-38	1D049-39
CLIENT SAMPLE ID			2BB-1-21-10	2BB-1-21-15	2BB-1-21-20	2BB-1-21-25
EXTRACTION SOLVENT						
EXTRACTION METHOD						
DILUTION FACTOR			1	1	1	1
COMPOUND		CRDL				
Benzene		5	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	6.4	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND
Trichloroethene (TCE)		5	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-110%	104%	106%	107%	108%
Toluene-d8	50	80%-115%	104%	104%	104%	107%
4-Bromofluorobenzene	50	75%-125%	101%	101%	97%	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 07 1997

Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

QC DATA REPORT
TRPH
EPA Method 418.1

Date Sampled:	4/1/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/1/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/1/97	**Project:**	974002.00
Date Extracted:	4/1/97	**Matrix:**	Soil
Report Number:	0401A.QAC	**Units:**	mg/Kg
Lab Number:	1D049-23, 2BB-36-2-25		

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	41.5	58.2	140	ND	38.8	93	39.5	95	1.8

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%

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

QC DATA REPORT
TRPH
EPA Method 418.1

Date Sampled:	4/1/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/1/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/1/97	**Project:**	974002.00
Date Extracted:	4/1/97	**Matrix:**	Soil
Report Number:	0401B.QAC	**Units:**	mg/Kg
Lab Number:	1D049-23, 2BB-36-2-25		

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	41.5	49.9	120			0		0	#DIV/0!

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%

Printed on recycled paper.

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

ANALYTE		MB 4/1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	26.7	107%	85%-115%
Bromodichloromethane		ND	25	26.6	106%	85%-115%
Bromoform		ND	25	25.6	102%	85%-115%
Bromomethane		ND	25	24.4	97%	85%-115%
Carbon tetrachloride		ND	25	26.7	107%	85%-115%
Chlorobenzene		ND	25	25.2	101%	85%-115%
Chloroethane		ND	25	25.9	103%	85%-115%
Chloroform		ND	25	26.7	107%	85%-115%
Chloromethane		ND	25	27.3	109%	85%-115%
Dibromochloromethane		ND	25	25.4	102%	85%-115%
1,2-Dichlorobenzene		ND	25	25.6	102%	85%-115%
1,3-Dichlorobenzene		ND	25	24.9	100%	85%-115%
1,4-Dichlorobenzene		ND	25	25.5	102%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	29.3	117%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	26.8	107%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	27.0	108%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	25.5	102%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	26.6	106%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	26.6	106%	85%-115%
1,2-Dichloropropane		ND	25	26.3	105%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.1	104%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.5	106%	85%-115%
Ethyl benzene		ND	25	25.6	102%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	26.2	105%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	25.3	101%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	26.0	104%	85%-115%
Tetrachloroethene (PCE)		ND	25	25.4	101%	85%-115%
Toluene		ND	25	26.3	105%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	26.9	108%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	26.8	107%	85%-115%
Trichloroethene (TCE)		ND	25	26.9	108%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	23.7	95%	85%-115%
m,p-Xylenes		ND	50	49.9	100%	85%-115%
o-Xylene		ND	25	25.0	100%	85%-115%
Vinyl chloride (VC)		ND	25	22.9	92%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	101%		102%		
Toluene-d8	50	102%		104%		
4-Bromofluorobenzene	50	103%		103%		

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 07 1997
Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QA/QC REPORT FOR ORGANICS

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

DATE PERFORMED: 4/1/97
BATCH #: 0401-1
LAB SAMPLE ID #: 1D049-21

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	124	99%	125	127	102%	2%	70%-130%	20
Chlorobenzene		ND	125	116	93%	125	116	93%	0%	70%-130%	20
Chloroform		ND	125	131	104%	125	132	106%	1%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	136	109%	125	137	110%	1%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	134	108%	125	139	111%	3%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		28	125	146	94%	125	147	95%	1%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	152	121%	125	155	124%	2%	70%-130%	20
Toluene		ND	125	128	102%	125	128	102%	0%	70%-130%	20
Trichloroethene (TCE)		15	125	137	98%	125	138	98%	0%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	108%		106%			109%				
Toluene-d8	50	105%		107%			107%				
4-Bromofluorobenzene	50	98%		101%			102%				

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 07 1997
Date

Printed on recycled paper.

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

ANALYTE		MB 4/1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	26.5	106%	85%-115%
Bromodichloromethane		ND	25	26.1	105%	85%-115%
Bromoform		ND	25	25.3	101%	85%-115%
Bromomethane		ND	25	21.4	86%	85%-115%
Carbon tetrachloride		ND	25	26.3	105%	85%-115%
Chlorobenzene		ND	25	26.0	104%	85%-115%
Chloroethane		ND	25	25.8	103%	85%-115%
Chloroform		ND	25	26.5	106%	85%-115%
Chloromethane		ND	25	25.2	101%	85%-115%
Dibromochloromethane		ND	25	25.4	102%	85%-115%
1,2-Dichlorobenzene		ND	25	25.3	101%	85%-115%
1,3-Dichlorobenzene		ND	25	25.4	101%	85%-115%
1,4-Dichlorobenzene		ND	25	25.6	102%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	28.8	115%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	26.2	105%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	25.7	103%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	27.2	109%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	26.5	106%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	26.9	108%	85%-115%
1,2-Dichloropropane		ND	25	25.6	102%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.3	105%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.3	105%	85%-115%
Ethyl benzene		ND	25	26.3	105%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	26.3	105%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	25.1	100%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	25.1	101%	85%-115%
Tetrachloroethene (PCE)		ND	25	26.0	104%	85%-115%
Toluene		ND	25	26.6	106%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	26.1	104%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	25.7	103%	85%-115%
Trichloroethene (TCE)		ND	25	26.1	104%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	22.1	88%	85%-115%
m,p-Xylenes		ND	50	52.8	106%	85%-115%
o-Xylene		ND	25	26.2	105%	85%-115%
Vinyl chloride (VC)		ND	25	19.6	78%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	101%		103%		
Toluene-d8	50	102%		103%		
4-Bromofluorobenzene	50	103%		101%		

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 07 1997
Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QA/QC REPORT FOR ORGANICS

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

DATE PERFORMED: 4/1/97
BATCH #: 0401-2
LAB SAMPLE ID #: 1D049-27

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	125	100%	125	128	102%	3%	70%-130%	20
Chlorobenzene		ND	125	124	99%	125	127	102%	3%	70%-130%	20
Chloroform		ND	125	129	103%	125	133	106%	3%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	130	104%	125	133	107%	2%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	130	104%	125	132	105%	1%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	120	96%	125	122	98%	2%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	171	137%	125	192	153%	11%	70%-130%	20
Toluene		ND	125	124	99%	125	128	103%	4%	70%-130%	20
Trichloroethene (TCE)		ND	125	127	102%	125	130	104%	2%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	105%		104%			103%				
Toluene-d8	50	102%		103%			102%				
4-Bromofluorobenzene	50	102%		101%			101%				

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 07 1997
Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Daily Project Report

(To be kept with the daily project data files)

Project: [illegible] Kennedy Jenks MacDonald Douglas LA

Date: [illegible]

ONSITE Analysts/Technicians: N. Wheeler Lab # 6
A. Figueroa

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

Normal Hours and Overtime Hours Worked: 15

Normal Hours

Overtime Hours

Reason for Overtime

Sample Volume and Matrix

Samples Received and Matrix

Time Last Samples Received

Client Issues Raised:

ONSITE Action Plan:

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Daily Project Report

(To be kept with the daily project data files)

Project: Kennedy /Jenks DAC

Date: 4/1/97

ONSITE Analysts/Technicians: MY, NW, AF

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 39 soil samples for 8010/8020 (by GC/MS 8260 & 418.1

Time Last Samples Received 15:15

Client Issues Raised:

Run samples with TRPH more than 30 ppm for 8015M - TPHd & TPHo.1

ONSITE Action Plan:

Printed on recycled paper

Tue. 1 April 1997

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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:	K
Company:	Kennedy/Jenks
Address:	2151 Michelson Dr. Suite 100
City, State ZIP	Irvine CA. 92715
Phone:	714-261-1577
Fax:	

Date: 4/1/97	
Page:	1 of 4
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)	8260	418.1				No. Containers	Remarks
2BB-1-22-1	4-1-97	0815	Soil	SCS	959	MY	1D049-01				X	X					8010/8020 by GC/MS
2BB-1-22-4		0820	"	SCS			02				X	X					
2BB-1-22-10		0850	"	SCS			03				X	X					
2BB-1-22-15		0855	"	SCS			04				X	X					
2BB-1-22-20		0915	"	SCS			05				X	X					
2BB-1-22-25		0925	"	SCS			06				X	X					
2BB-36-3-1		0945	"	SCS			07				X	X					
2BB-36-3-5		0854	"	SCS			08				X	X					
2BB-36-3-10		0900	"	SCS			09				X	X					
2BB-36-3-15		0904	"	SCS			10				X	X					
2BB-36-3-20		0912	"	SCS			11				X	X					
2BB-36-3-25		0917	"	SCS			12				X	X					

Initials:	Printed Name:	Signature:		
SCS	Shane Scrimshire	[signature]	Date: 4/1/97	
MY	Michael Yurovsky	[signature]	Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

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

White - Original; Admin/Lab Yellow - Mobile Lab Pink - Client

BOE-C6-0144953

CHAIN OF CUSTODY RECO[illegible]ND 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, 92715
Phone:	714-261-1577
Fax:	

Date:	4/1/97
Page:	2 of 4
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)	8260/8020 (GC/MS)	418.1				No. Containers	Remarks
2BB-1-20-1	4-1-97	0950	Soil	SLS	1130	MY	10049-13				X	X				21	
2BB-1-20-4	"	0955	"	SLS	"		14				X	X				21	
2BB-1-20-10	"	1025	"	SLS	"		15				X	X				21	
2BB-1-20-15	"	1035	"	SLS	"		16				X	X				21	
2BB-1-20-20	"	1045	"	SLS	"		17				X	X				21	
2BB-1-20-25	"	1105	"	SLS	"		18				X	X				21	
2BB-36-2-4	"	1015	"	SLS	1142		19				X	X				1	
2BB-36-2-10	"	1040	"	SLS	"		20				X	X				1	
2BB-36-2-15	"	1105	"	SLS	"		21				X	X				1	
2BB-36-2-20	"	1115	"	SLS	"		22				X	X				1	
2BB-36-2-25	"	1125	"	SLS	"		23				X	X				1	

Initials:	Printed Name:	Signature:		
SLS	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-C6-0144954

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:	Russ 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. 92715
Phone:	714-261-1577
Fax:	

Date:	4/1/97
Page:	3 of 4
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	174002.00

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)	5010/8020 (GC/MS)	418.1				No. Containers	Remarks
2BB-1-19-1	4/1/97	1205	Soil	SLS	1341	MY	10049-24				X	X					
2BB-1-19-4	"	1215	"	SLS	"		-25				X	X					
2BB-1-19-10	"	1235	"	SLS	"		-26				X	X					
2BB-1-19-15	"	1245	"	SLS	"		-27				X	X					
2BB-1-19-20	"	1300	"	SLS	"		-28				X	X					
2BB-1-19-25	"	1320	"	SLS	"		-29				X	X					
2BB-36-1-10	"	1305	"	SLS	1420		-30				X	X					
2BB-36-1-15	"	1327	"	SLS	"		-31				X	X					
2BB-36-1-20	"	1345	"	SLS	"		-32				X	X					
2BB-36-1-25	"	1353	"	SLS	"	↓	-33				X	X					

Initials:	Printed Name:	Signature:		
SLS	Shane Scrimshire	[signature]	Date:	
MY	Michael Yurovsky	[signature]	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-C6-0144955

CHAIN OF CUSTODY RECO AND 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, 92715
Phone:	714-261-1577
Fax:	

Date:	4-1-97
Page:	4 of 4
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)	8020/8020 (GC/MS)	418.1				No. Containers	Remarks
2BB-1-21-1	4-1-97	1340	Soil	SLS	1515	MY	10049-34				X	X					
2BB-1-21-4	"	1345	"	SLS	"		-35				X	X					
2BB-1-21-10	"	1405	"	SLS	"		-36				X	X					
2BB-1-21-15	"	1415	"	SLS	"		-37				X	X					
2BB-1-21-20	"	1430	"	SLS	"		-38				X	X					
2BB-1-21-25	"	1445	"	SLS	"		-39				X	X					

Initials:	Printed Name:	Signature:		
SLS	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-C6-0144956