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Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/3/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/3/97	**Client:**	Kennedy/Jenks
Report Number:	1D051a.RPT	**Project:**	McDonnell Douglas
Lab Number:	1D051	**Units Soil:**	mg/Kg
Date Reported:	4/4/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D051-01	2BB-SA-NW-1-5	4/3/97	4/3/97	ND	1	Soil
1D051-02	2BB-SA-NW-1-10	4/3/97	4/3/97	ND	1	Soil
1D051-03	2BB-1A-13-1	4/3/97	4/3/97	97	1	Soil
1D051-04	2BB-1A-13-4	4/3/97	4/3/97	59	1	Soil
1D051-05	2BB-1A-13-10	4/3/97	4/3/97	ND	1	Soil
1D051-06	2BB-1A-13-15	4/3/97	4/3/97	ND	1	Soil
1D051-07	2BB-1A-13-20	4/3/97	4/3/97	ND	1	Soil
1D051-08	2BB-1A-13-25	4/3/97	4/3/97	ND	1	Soil
1D051-09	2BB-SA-NW-5-4	4/3/97	4/3/97	12	1	Soil
1D051-10	2BB-SA-NW-5-6	4/3/97	4/3/97	ND	1	Soil
1D051-11	2BB-SA-NW-5-10	4/3/97	4/3/97	ND	1	Soil
1D051-12	2BB-SA-NW-6-4	4/3/97	4/3/97	ND	1	Soil
1D051-13	2BB-SA-NW-6-10	4/3/97	4/3/97	ND	1	Soil
1D051-14	2BB-1A-14-1	4/3/97	4/3/97	ND	1	Soil
1D051-15	2BB-1A-14-4	4/3/97	4/3/97	ND	1	Soil
1D051-16	2BB-1A-14-10	4/3/97	4/3/97	ND	1	Soil
1D051-17	2BB-1A-14-15	4/3/97	4/3/97	ND	1	Soil
1D051-18	2BB-1A-14-20	4/3/97	4/3/97	ND	1	Soil
1D051-19	2BB-1A-14-25	4/3/97	4/3/97	ND	1	Soil
1D051-20	2BB-SA-NW-8-1	4/3/97	4/3/97	11	1	Soil
1D051-21	2BB-SA-NW-8-4	4/3/97	4/3/97	ND	1	Soil
1D051-22	2BB-SA-NW-8-10	4/3/97	4/3/97	ND	1	Soil
1D051-23	2BB-SA-NW-9-4	4/3/97	4/3/97	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 Bonsell Common, Fremont, CA 94538 (510) 498-8571

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/3/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/3/97	**Client:**	Kennedy/Jenks
Report Number:	1D051B.RPT	**Project:**	McDonnell Douglas
Lab Number:	1D051	**Units Soil:**	mg/Kg
Date Reported:	4/4/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D051-24	2BB-SA-NW-9-10	4/3/97	4/3/97	ND	1	Soil
1D051-25	2BB-1A-15-1	4/3/97	4/3/97	11	1	Soil
1D051-26	2BB-1A-15-4	4/3/97	4/3/97	ND	1	Soil
1D051-27	2BB-1A-15-10	4/3/97	4/3/97	ND	1	Soil
1D051-28	2BB-1A-15-15	4/3/97	4/3/97	ND	1	Soil
1D051-29	2BB-1A-15-20	4/3/97	4/3/97	ND	1	Soil
1D051-30	2BB-1A-15-25	4/3/97	4/3/97	ND	1	Soil
1D051-31	2BB-SA-NW-10-4	4/3/97	4/3/97	ND	1	Soil
1D051-32	2BB-SA-NW-10-10	4/3/97	4/3/97	11	1	Soil
1D051-33	2BB-1A-16-1	4/3/97	4/3/97	ND	1	Soil
1D051-34	2BB-1A-16-4	4/3/97	4/3/97	34	1	Soil
1D051-35	2BB-1A-16-10	4/3/97	4/3/97	ND	1	Soil
1D051-36	2BB-1A-16-15	4/3/97	4/3/97	ND	1	Soil
1D051-37	2BB-1A-16-20	4/3/97	4/3/97	ND	1	Soil
1D051-38	2BB-1A-16-25	4/3/97	4/3/97	ND	1	Soil
1D051-39	2BB-SA-NW-11-1	4/3/97	4/3/97	14	1	Soil
1D051-40	2BB-SA-NW-11-4	4/3/97	4/3/97	ND	1	Soil
1D051-41	2BB-SA-NW-11-10	4/3/97	4/3/97	ND	1	Soil
1D051-42	2BB-SA-NW-12-4	4/3/97	4/3/97	ND	1	Soil
1D051-43	2BB-SA-NW-12-10	4/3/97	4/3/97	ND	1	Soil
1D051-44	2BB-SA-NE-1-1	4/3/97	4/3/97	ND	1	Soil
1D051-45	2BB-SA-NE-1-4	4/3/97	4/3/97	32	1	Soil
1D051-46	2BB-SA-NE-1-10	4/3/97	4/3/97	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 07 1997
Date

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Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/3/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/3/97	**Client:**	Kennedy/Jenks
Report Number:	1D050C.RPT	**Project:**	McDonnell Douglas
Lab Number:	1D050	**Units Soil:**	mg/Kg
Date Reported:	4/4/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D051-47	2BB-SA-NE-1-15	4/3/97	4/3/97	ND	1	Soil
1D051-48	2BB-SA-NE-1-20	4/3/97	4/3/97	ND	1	Soil
1D051-49	2BB-SA-NE-1-25	4/3/97	4/3/97	ND	1	Soil
1D051-50	2BB-SA-NE-5-1	4/3/97	4/3/97	ND	1	Soil
1D051-51	2BB-SA-NE-5-4	4/3/97	4/3/97	ND	1	Soil
1D051-52	2BB-SA-NE-5-10	4/3/97	4/3/97	ND	1	Soil
1D051-53	2BB-SA-NE-5-15	4/3/97	4/3/97	ND	1	Soil
1D051-54	2BB-SA-NE-5-20	4/3/97	4/3/97	ND	1	Soil
1D051-55	2BB-SA-NE-5-25	4/3/97	4/3/97	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 Voyt
Laboratory Director

MAY 07 1997
Date

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

Date Sampled:	4/3/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/3/97	**Client:**	Kennedy/Jenks
Report Number:	1D051E.RPT	**Project:**	974002.00
Lab Number:	1D051	**Units Soil:**	mg/Kg
Date Reported:	4/16/97		

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TPH-E Diesel	TPH-E Motor Oil	TPH-E Sur. %	TPH-E DF	Matrix
1D051-03	**2BB-1A-13-1**	4/9/97	4/9/97	ND	ND	86	1	Soil
1D051-04	**2BB-1A-13-4**	4/9/97	4/9/97	ND	ND	99	1	Soil
1D051-34	**2BB-1A-16-4**	4/9/97	4/15/97	ND	**200***	107	1	Soil
1D051-45	**2BB-SA-NE-1-4**	4/9/97	4/9/97	ND	ND	80	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) 490-8571

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/3/97	4/3/97	4/3/97	4/3/97	4/3/97	4/3/97	4/3/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D051-01	1D051-02	1D051-03	1D051-04	1D051-05	1D051-06	1D051-07
CLIENT SAMPLE ID : 2BB-			SA-NW-1-5	SA-NW-1-10	1A-13-1	1A-13-4	1A-13-10	1A-13-15	1A-13-20
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	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%-110%	101%	103%	103%	107%	106%	106%	106%
Toluene-d8	50	80%-115%	103%	103%	105%	104%	105%	105%	106%
4-Bromofluorobenzene	50	75%-125%	104%	103%	95%	99%	97%	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

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/3/97	4/3/97	4/3/97	4/3/97	4/3/97	4/3/97	4/3/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D051-08	1D051-09	1D051-10	1D051-11	1D051-12	1D051-13	1D051-14
CLIENT SAMPLE ID : 2BB-			1A-13-25	SA-NW-5-4	SA-NW-5-6	SA-NW-5-10	SA-NW-6-4	SA-NW-6-10	1A-14-1
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	6.9
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	24	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%	107%	99%	104%	104%	104%	104%	104%
Toluene-d8	50	80%-115%	107%	103%	104%	104%	103%	103%	104%
4-Bromofluorobenzene	50	75%-125%	97%	102%	105%	104%	104%	103%	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

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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/3/97	4/3/97	4/3/97	4/3/97	4/3/97	4/3/97	4/3/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D051-15	1D051-16	1D051-17	1D051-18	1D051-19	1D051-20	1D051-21
CLIENT SAMPLE ID : 2BB-			1A-14-4	1A-14-10	1A-14-15	1A-14-20	1A-14-25	SA-NW-8-1	SA-NW-8-4
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	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%	105%	108%	104%	105%	108%	105%	106%
Toluene-d8	50	80%-115%	106%	104%	104%	104%	106%	103%	103%
4-Bromofluorobenzene	50	75%-125%	99%	100%	97%	96%	98%	102%	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
M - Matrix effect confirmed

Gavin Voigt
Laboratory Director

MAY 07 1997
Date

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ONSITE
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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/3/97	4/3/97	4/3/97	4/3/97	4/3/97	4/3/97	4/3/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D051-22	1D051-23	1D051-24	1D051-25	1D051-26	1D051-27	1D051-28
CLIENT SAMPLE ID : 2BB-			SA-NW-8-10	SA-NW-9-4	SA-NW-9-10	1A-15-1	1A-15-4	1A-15-10	1A-15-15
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	10	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%	106%	103%	107%	102%	104%	106%	106%
Toluene-d8	50	80%-115%	103%	103%	105%	102%	103%	104%	103%
4-Bromofluorobenzene	50	75%-125%	103%	97%	97%	100%	104%	103%	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

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ONSITE
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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/3/97	4/3/97	4/3/97	4/3/97	4/3/97	4/3/97	4/3/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D051-29	1D051-30	1D051-31	1D051-32	1D051-33	1D051-34	1D051-35
		CLIENT SAMPLE ID : 2BB-	1A-15-20	1A-15-25	SA-NW-10-4	SA-NW-10-10	1A-16-1	1A-16-4	1A-16-10
		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	8.3	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%-110%	105%	105%	105%	107%	104%	105%	103%
Toluene-d8	50	80%-115%	103%	103%	103%	103%	104%	104%	104%
4-Bromofluorobenzene	50	75%-125%	101%	101%	96%	97%	99%	98%	97%

Notes :

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Gareth Voigt
Laboratory Director

MAY 07 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			4/3/97	4/3/97	4/3/97	4/3/97	4/3/97	4/3/97	4/3/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D051-36	1D051-37	1D051-38	1D051-39	1D051-40	1D051-41	1D051-42
CLIENT SAMPLE ID : 2BB-			1A-16-15	1A-16-20	1A-16-25	SA-NW-11-1	SA-NW-11-4	SA-NW-11-10	SA-NW-12-4
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	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%	108%	106%	105%	104%	109%	107%	105%
Toluene-d8	50	80%-115%	104%	105%	105%	102%	100%	103%	103%
4-Bromofluorobenzene	50	75%-125%	97%	95%	98%	100%	99%	101%	101%

Notes :

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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

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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/3/97	4/3/97	4/3/97	4/3/97	4/3/97	4/3/97	4/3/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D051-43	1D051-44	1D051-45	1D051-46	1D051-47	1D051-48	1D051-49
CLIENT SAMPLE ID : 2BB-			SA-NW-12-10	SA-NE-1-1	SA-NE-1-4	SA-NE-1-10	SA-NE-1-15	SA-NE-1-20	SA-NE-1-25
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	13	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	6.2	22	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%	106%	120% M	105%	109%	101%	103%	107%
Toluene-d8	50	80%-115%	105%	90%	103%	100%	103%	103%	103%
4-Bromofluorobenzene	50	75%-125%	95%	84%	103%	98%	102%	103%	104%

Notes :

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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

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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED		4/3/97	4/3/97	4/3/97	4/3/97	4/3/97	4/3/97
DATE EXTRACTED		N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID		1D051-50	1D051-51	1D051-52	1D051-53	1D051-54	1D051-55
CLIENT SAMPLE ID : 2BB-		SA-NE-5-1	SA-NE-5-4	SA-NE-5-10	SA-NE-5-15	SA-NE-5-20	SA-NE-5-25
EXTRACTION SOLVENT							
EXTRACTION METHOD							
DILUTION FACTOR		1	1	1	1	1	1
COMPOUND	CRDL						
Benzene	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	5	ND	ND	ND	ND	ND	ND
Bromoform	5	ND	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND
Chloroform	5	ND	ND	ND	ND	ND	ND
Chloromethane	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)	5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)	5	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5	ND	ND	ND	ND	ND	ND
Ethyl benzene	5	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)	5	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)	5	ND	ND	ND	ND	ND	ND
m,p-Xylenes	5	ND	ND	ND	ND	ND	ND
o-Xylene	5	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)	5	ND	ND	ND	ND	ND	ND
TPH as gasoline	1000	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc / ACP %	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50 / 75%-110%	99%	101%	99%	98%	102%	101%
Toluene-d8	50 / 80%-115%	100%	102%	102%	103%	103%	103%
4-Bromofluorobenzene	50 / 75%-125%	94%	97%	98%	99%	96%	100%

Notes :

ND - Analytes not detected at, or above the stated detection limit
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Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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LABORATORIES, INC.

QC DATA REPORT
TPH-E
EPA Method 8015 Modified

Date Sampled:	4/2/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/2/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/9/97, 4/15/97	**Project:**	974002.00
Date Extracted:	4/9/97	**Matrix:**	Soil
Report Number:	0409SD.QAC	**Units:**	mg/Kg
Lab Number:	DIESEL: 2BB-SA-NE-11-4, 1D052-38 MOTOR OIL: 2BB-1-31-1, 1D054-13		

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	50.0	57.8	116	0.0	58.4	117	47.1	94	21.4
TPH-E mo	ND	53.7	59.4	111	52	106	101	95.5	81	10.4
surr %rec dies.	94			92	104		96		104	
surr %rec mo				93	86		86		87	

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	Accentable % Recoveries		
TPH-E	65%	to	135%
%RPD	0%	to	35%

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QC DATA REPORT
TRPH
EPA Method 418.1

Date Sampled:	4/3/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/3/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/3/97	**Project:**	974002.00
Date Extracted:	4/3/97		
Report Number:	0403C.QAC	**Matrix:**	Soil
Lab Number:	2BB-1A-16-15, 1D051-36	**Units:**	mg/Kg

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			25.0		0	0.0		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%

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QC DATA REPORT
TRPH
EPA Method 418.1

Date Sampled:	4/3/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/3/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/3/97	**Project:**	974002.00
Date Extracted:	4/3/97	**Matrix:**	Soil
Report Number:	0403B.QAC	**Units:**	mg/Kg
Lab Number:	2BB-1A-16-15, 1D051-36		

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	29.1	116	0.0	21.5	86	25.0	100	15.1

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:	4/3/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/3/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/3/97	**Project:**	974002.00
Date Extracted:	4/3/97	**Matrix:**	Soil
Report Number:	0403A.QAC	**Units:**	mg/Kg
Lab Number:	2BB-1A-13-20, 1D051-07		

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	28.8	115	0.0	26.0	104	22.9	92	12.7

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

ANALYTE		MB 4/3 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	26.4	106%	85%-115%
Bromodichloromethane		ND	25	26.8	107%	85%-115%
Bromoform		ND	25	25.8	103%	85%-115%
Bromomethane		ND	25	24.3	97%	85%-115%
Carbon tetrachloride		ND	25	24.7	99%	85%-115%
Chlorobenzene		ND	25	25.4	102%	85%-115%
Chloroethane		ND	25	25.6	102%	85%-115%
Chloroform		ND	25	26.9	107%	85%-115%
Chloromethane		ND	25	27.1	108%	85%-115%
Dibromochloromethane		ND	25	25.9	104%	85%-115%
1,2-Dichlorobenzene		ND	25	25.6	102%	85%-115%
1,3-Dichlorobenzene		ND	25	24.3	97%	85%-115%
1,4-Dichlorobenzene		ND	25	24.3	97%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	28.4	113%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	26.8	107%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	27.6	110%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	28.3	113%	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	26.3	105%	85%-115%
1,2-Dichloropropane		ND	25	26.9	107%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.6	107%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.8	107%	85%-115%
Ethyl benzene		ND	25	25.6	102%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	26.8	107%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	24.5	98%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	27.1	108%	85%-115%
Tetrachloroethene (PCE)		ND	25	24.7	99%	85%-115%
Toluene		ND	25	27.0	108%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	25.0	100%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	28.2	113%	85%-115%
Trichloroethene (TCE)		ND	25	26.6	106%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	22.5	90%	85%-115%
m,p-Xylenes		ND	50	50.5	101%	85%-115%
o-Xylene		ND	25	25.6	102%	85%-115%
Vinyl chloride (VC)		ND	25	23.0	92%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	103%		104%		
Toluene-d8	50	104%		104%		
4-Bromofluorobenzene	50	98%		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

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

ANALYTE		MB 4/3 #2	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	24.9	100%	85%-115%
Bromodichloromethane		ND	25	25.5	102%	85%-115%
Bromoform		ND	25	26.9	108%	85%-115%
Bromomethane		ND	25	22.2	89%	85%-115%
Carbon tetrachloride		ND	25	23.4	94%	85%-115%
Chlorobenzene		ND	25	25.8	103%	85%-115%
Chloroethane		ND	25	24.1	96%	85%-115%
Chloroform		ND	25	24.8	99%	85%-115%
Chloromethane		ND	25	25.1	100%	85%-115%
Dibromochloromethane		ND	25	25.9	104%	85%-115%
1,2-Dichlorobenzene		ND	25	25.4	102%	85%-115%
1,3-Dichlorobenzene		ND	25	24.4	97%	85%-115%
1,4-Dichlorobenzene		ND	25	24.7	99%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	26.4	106%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	24.9	100%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	25.9	103%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	25.6	102%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	24.8	99%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	24.6	98%	85%-115%
1,2-Dichloropropane		ND	25	25.5	102%	85%-115%
cis-1,3-Dichloropropene		ND	25	25.1	100%	85%-115%
trans-1,3-Dichloropropene		ND	25	25.2	101%	85%-115%
Ethyl benzene		ND	25	24.9	100%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	24.9	100%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	25.0	100%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	25.9	104%	85%-115%
Tetrachloroethene (PCE)		ND	25	25.9	103%	85%-115%
Toluene		ND	25	24.9	100%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	22.8	91%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	26.9	108%	85%-115%
Trichloroethene (TCE)		ND	25	25.2	101%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	21.6	86%	85%-115%
m,p-Xylenes		ND	50	50.8	102%	85%-115%
o-Xylene		ND	25	25.4	102%	85%-115%
Vinyl chloride (VC)		ND	25	21.3	85%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	103%		101%		
Toluene-d8	50	103%		101%		
4-Bromofluorobenzene	50	98%		104%		

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

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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: 4/3/97
BATCH #: 0403-1
LAB SAMPLE ID #: 1D051-24

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	115	92%	125	125	100%	9%	70%-130%	20
Chlorobenzene		ND	125	113	90%	125	125	100%	10%	70%-130%	20
Chloroform		ND	125	118	95%	125	128	103%	8%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	122	97%	125	131	105%	7%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	122	97%	125	132	106%	8%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	113	91%	125	123	99%	8%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	119	95%	125	141	113%	17%	70%-130%	20
Toluene		ND	125	117	94%	125	127	102%	8%	70%-130%	20
Trichloroethene (TCE)		ND	125	115	92%	125	126	100%	9%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	107%		105%			105%				
Toluene-d8	50	105%		105%			105%				
4-Bromofluorobenzene	50	97%		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

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ONSITE
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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: 4/3/97
BATCH #: 0403-3
LAB SAMPLE ID #: 1D051-52

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	123	98%	125	124	99%	1%	70%-130%	20
Chlorobenzene		ND	125	129	103%	125	132	105%	2%	70%-130%	20
Chloroform		ND	125	125	100%	125	127	102%	2%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	123	98%	125	128	102%	4%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	131	105%	125	133	106%	2%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	116	93%	125	117	94%	1%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	213	170%	125	214	172%	1%	70%-130%	20
Toluene		ND	125	128	102%	125	129	103%	1%	70%-130%	20
Trichloroethene (TCE)		ND	125	132	106%	125	130	104%	1%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	99%		101%			104%				
Toluene-d8	50	102%		105%			103%				
4-Bromofluorobenzene	50	98%		102%			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

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

ANALYTE		MB 4/3#1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	27.8	111%	85%-115%
Bromodichloromethane		ND	25	27.3	109%	85%-115%
Bromoform		ND	25	26.8	107%	85%-115%
Bromomethane		ND	25	22.0	88%	85%-115%
Carbon tetrachloride		ND	25	27.4	110%	85%-115%
Chlorobenzene		ND	25	27.5	110%	85%-115%
Chloroethane		ND	25	27.1	108%	85%-115%
Chloroform		ND	25	27.9	112%	85%-115%
Chloromethane		ND	25	27.1	109%	85%-115%
Dibromochloromethane		ND	25	26.9	108%	85%-115%
1,2-Dichlorobenzene		ND	25	26.7	107%	85%-115%
1,3-Dichlorobenzene		ND	25	26.5	106%	85%-115%
1,4-Dichlorobenzene		ND	25	26.7	107%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	27.6	110%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	28.3	113%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	27.5	110%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	28.6	114%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	28.1	112%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	28.9	116%	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	27.3	109%	85%-115%
Ethyl benzene		ND	25	26.4	106%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	27.8	111%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	26.4	106%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	27.3	109%	85%-115%
Tetrachloroethene (PCE)		ND	25	27.1	108%	85%-115%
Toluene		ND	25	27.8	111%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	27.6	110%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	27.5	110%	85%-115%
Trichloroethene (TCE)		ND	25	27.6	110%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	20.8	83%	85%-115%
m,p-Xylenes		ND	50	55.5	111%	85%-115%
o-Xylene		ND	25	27.5	110%	85%-115%
Vinyl chloride (VC)		ND	25	20.4	82%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	105%		104%		
Toluene-d3	50	103%		103%		
4-Bromofluorobenzene	50	104%		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

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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: 4/3/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/3 #2 MS3
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/3 #2	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	25.9	104%	85%-115%
Bromodichloromethane		ND	25	25.8	103%	85%-115%
Bromoform		ND	25	25.9	104%	85%-115%
Bromomethane		ND	25	20.2	81%	85%-115%
Carbon tetrachloride		ND	25	25.5	102%	85%-115%
Chlorobenzene		ND	25	26.9	108%	85%-115%
Chloroethane		ND	25	25.0	100%	85%-115%
Chloroform		ND	25	26.5	106%	85%-115%
Chloromethane		ND	25	21.3	85%	85%-115%
Dibromochloromethane		ND	25	25.9	104%	85%-115%
1,2-Dichlorobenzene		ND	25	26.0	104%	85%-115%
1,3-Dichlorobenzene		ND	25	25.6	102%	85%-115%
1,4-Dichlorobenzene		ND	25	25.8	103%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	24.7	99%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	26.3	105%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	25.6	102%	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	26.2	105%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	26.6	106%	85%-115%
1,2-Dichloropropane		ND	25	25.8	103%	85%-115%
cis-1,3-Dichloropropene		ND	25	25.4	101%	85%-115%
trans-1,3-Dichloropropene		ND	25	25.2	101%	85%-115%
Ethyl benzene		ND	25	24.9	99%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	26.3	105%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	25.5	102%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	26.6	107%	85%-115%
Tetrachloroethene (PCE)		ND	25	26.4	106%	85%-115%
Toluene		ND	25	25.8	103%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	25.7	103%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	26.1	105%	85%-115%
Trichloroethene (TCE)		ND	25	25.6	102%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	18.1	72%	85%-115%
m,p-Xylenes		ND	50	53.2	106%	85%-115%
o-Xylene		ND	25	27.1	108%	85%-115%
Vinyl chloride (VC)		ND	25	19.9	80%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	107%		105%		
Toluene-d8	50	103%		103%		
4-Bromofluorobenzene	50	102%		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.

Project No: 974002.00

LABORATORY QA/QC REPORT FOR ORGANICS

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

DATE PERFORMED: 4/3/97
BATCH #: 0403-2
LAB SAMPLE ID #: 1D051-27

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	131	105%	125	134	107%	2%	70%-130%	20
Chlorobenzene		ND	125	127	102%	125	130	104%	3%	70%-130%	20
Chloroform		ND	125	137	110%	125	140	112%	2%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	141	112%	125	143	114%	2%	70%-130%	20
1,2-Dichloroethane (1,2 DCA)		ND	125	139	112%	125	142	113%	2%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	127	102%	125	127	102%	0%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	209	167%	125	219	175%	5%	70%-130%	20
Toluene		ND	125	129	103%	125	133	106%	3%	70%-130%	20
Trichloroethene (TCE)		ND	125	139	111%	125	147	117%	6%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	106%		104%			102%				
Toluene-d8	50	104%		103%			103%				
4-Bromofluorobenzene	50	103%		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
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Project No: 974002.00

LABORATORY QA/QC REPORT FOR ORGANICS

METHOD : EPA 8260

REPORTING UNITS : µg/Kg

DATE PERFORMED: 4/3/97
BATCH #: 0403-4
LAB SAMPLE ID #: 1D051-47

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	120	96%	125	124	99%	4%	70%-130%	20
Chlorobenzene		ND	125	123	99%	125	126	101%	3%	70%-130%	20
Chloroform		ND	125	128	103%	125	133	107%	4%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	128	103%	125	134	107%	4%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	124	100%	125	129	103%	4%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	120	96%	125	123	98%	2%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	203	163%	125	209	167%	3%	70%-130%	20
Toluene		ND	125	121	97%	125	126	101%	4%	70%-130%	20
Trichloroethene (TCE)		ND	125	131	105%	125	136	109%	4%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	101%		105%			105%				
Toluene-d8	50	103%		103%			104%				
4-Bromofluorobenzene	50	102%		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.

Daily Project Report

(To be kept with the daily project data files)

Project: Kennedy/Jenks DAC

Date: 4/3/97

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 3

Reason for Overtime

Sample Volume and Matrix

Samples Received and Matrix 55 soils for 8010/8020 by GC/MS 8260 & 418.1

Time Last Samples Received

Client Issues Raised:

ONSITE Action Plan:

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

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:	4-3-97
Page:	1 of 5
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)	Semivolatiles by GC/MS	418.1				No. Containers	Remarks
2BB-SA-NW-1-5	4-3-97	0825	Soil	SCF	0910	MY	1D051-01				X	X					
2BB-SA-NW-1-10	"	0838	"	SCF	"		-02				X	X					
2BB 1A-13-1	"	0745	"	SCF	0920		03				X	X					
2BB 1A-13-4	"	0755	"	SCF	"		04				X	X					
2BB 1A-13-10	"	0610	"	SCF	"		05				X	X					
2BB 1A-13-15	"	0825	"	SCF	"		06				X	X					
2BB-1A-13-20	"	0835	"	SCF	"		07				X	X					
2BB-1A-13-25	"	0850	"	SCF	"		08				X	X					
2BB-SA-NW-5-4	"	0857	"	SCF	1020		09				X	X					
2BB-SA-NW-5-6	"	0905	"	SCF	"		10				X	X					
2BB-SA-NW 5-10	"	0911	"	SCF	"		11				X	X					
2BB SA-NW-6-4	"	0135	"	SCF	"		12				X	X					
2BB-SA-NW-6-10	"	0150	"	SCF	"		13				X	X					

Initials:	Printed Name:	Signature:		
SCF	Shane Scrimshire	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

BOE-C6-0145015

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:	4-3-97
Page:	2 of 5
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)	8010/8020 by GC/MS	415.1				No. Containers	Remarks
2BB-1A-14-1	4-3-97	0910	Soil	SB	1045	MY	1D051-14				X	X					
2BB-1A-14-4	↓	0920	"	SB	"	↓	15				X	X					
2BB-1A-14-10		0935	"	SB	"		16				X	X					
2BB 1A-14-15		0945	"	SB	"		17				X	X					
2BB-1A-14-20		0955	"	SB	"		18				X	X					
2BB-1A-14-25	↓	1010	"	SB	"	↓	19				X	X					
2BB-SA-NW-8-1	4-3-97	1027	"	SB	1105		20				X	X					
2BB-SA-NW-8-4	"	1033	"	SB	"		21				X	X					
2BB-SA-NW-8-10	"	1044	"	SB	"	↓	22				X	X					
2BB SA-NW-9-4	"	1100	"		1145		23				X	X					
2BB-SA-NW-9-10	"	1111	"		"	↓	24				X	X					

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

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

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

BOE-C6-0145016

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. 92715
Phone:	714-261-1577
Fax:	

Date:	4-3-97
Page:	3 of 5
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 by GC/HS	418.1				No. Containers	Remarks
2BB-1A-15-1	4-3-97	1030	Soil	SCS	1145	MH	1D050-25				X	X					
2BB-1A-15-4	"	1035	"	SCS	"		1D051-26				X	X					
2BB 1A-15-10	"	1050	"	SCS	"		27				X	X					
2BB-1A-15-15	"	1100	"	SCS	"		28				X	X					
2BB-1A-15-20	"	1110	"	SCS	"		29				X	X					
2BB-1A-15-25	"	1125	"	SCS	"		30				X	X					
2BB-3A-NW-10-4	"	1232	"	SCS	1325		31				X	X					
2BB-3A-NW-10-10	"	~~1243~~ 1243 SCS	"	SCS	1325		32				X	X					
2BB-1A-16-1	"	1220	"	SCS	1340		33				X	X					
2BB-1A-16-4	"	1225	"	SCS			34				X	X					
2BB-1A-16-10	"	~~1300~~ 1250 SCS	"	SCS			35				X	X					
2BB-1A-16-15	"	1300	"	SCS			36				X	X					
2BB-1A-16-20	"	1310	"	SCS			37				X	X					
2BB-1A-16-25	"	1320	"	SCS			38				X	X					

Initials:	Printed Name:	Signature:		
SCS	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-C6-0145017

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

[redacted]

Date:	4-3-97
Page:	4 of 5
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. 92715
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)	8000/8020 by GC/MS	418.1				No. Containers	Remarks
2BB-SA-NW-11-1	4-3-97	1315	Soil	SCB	1420	MY	10051-39				X	X					
2BB SA-NW-11-4	"	1322	"	SCB	"		40				X	X					
2BB-SA-NW-11-10	"	1328	"	SCB	"		41				X	X					
2BB-SA-NW-12-4	"	1348	"	SCB	"		42				X	X					
2BB-SA-NW-12-10	"	1404	"	SCB	"		43				X	X					
2BB-SA-NE-1-1	"	1355	"	SCB	1515		44				X	X					
2BB-SA-NE-1-4	"	1405	"	SCB	"		45				X	X					
2BB-SA-NE-1-10	"	1415	"	SCB	"		46				X	X					
2BB-SA-NE-1-15	"	1425	"	SCB	"		47				X	X					
2BB-SA-NE-1-20	"	1435	"	SCB	"		48				X	X					
2BB-SA-NE-1-25	"	1455	"	SCB	"		49				X	X					

Initials:	Printed Name:	Signature:		
SCB	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-C6-0145018

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
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Fax:	

Date:	4-3-97
Page:	5 of 5
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)	Semivolatiles By GC/MS	418.1				No. Containers	Remarks
2BB-SA-NE-5-1	4-3-97	1430	Soil	SB	1530	MY	10051-50				X	X					
2BB-SA-NE-5-4	"	1434	"	SB	"		51				X	X					
2BB-SA-NE-5-10	"	1450	"	SB	"		52				X	X					
2BB-SA-NE-5-15	"	1453	"	SB	"		53				X	X					
2BB-SA-NE-5-20	"	1503	"	SB	"		54				X	X					
2BB-SA-NE-5-25	"	1515	"	SB	"		55				X	X					

Initials:	Printed Name:	Signature:		
SB	Shane Grimshire	[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-C6-0145019