ONSITE
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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 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:	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 perfomed 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
MI - Matrix effect confirmed

Gareth Voyt
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

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			1D051-22	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
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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			1D051-29	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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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			1D051-36	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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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			1D051-43	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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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 :

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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	Acceptable % 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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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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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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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 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-d8	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.
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

LAB LCS ID: LCS 4/3 #2 MS3

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

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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]

Date:	4-3-97
Page:	1 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)	8010/8020 by GC/MS	418.1				No. Containers	Remarks
2BB-SA-NW-1-5	4-3-97	0825	Soil	SLS	0910	MY	1D051-01				X	X					
2BB-SA-NW-1-10	"	0838	"	SLS	"		-02				X	X					
2BB-1A-13-1	"	0745	"	SLS	0920		03				X	X					
2BB-1A-13-4	"	0755	"	SLS	"		04				X	X					
2BB-1A-13-10	"	0810	"	SLS	"		05				X	X					
2BB-1A-13-15	"	0825	"	SLS	"		06				X	X					
2BB-1A-13-20	"	0835	"	SLS	"		07				X	X					
2BB-1A-13-25	"	0850	"	SLS	"		08				X	X					
2BB-SA-NW-5-4	"	0957	"	SLS	1020		09				X	X					
2BB-SA-NW-5-6	"	0905	"	SLS	"		10				X	X					
2BB-SA-NW-5-10	"	0911	"	SLS	"		11				X	X					
2BB-SA-NW-6-4	"	0935	"	SLS	"		12				X	X					
2BB-SA-NW-6-10	"	0950	"	SLS	"		13				X	X					

Initials:	Printed Name:	Signature:		
SLS	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-C6-0097594

CHAIN OF CUSTODY RECORD 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:	251 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)	5010/8020 & GC/MS	415.1				No. Containers	Remarks
2BB-1A-14-1	4-3-97	0910	Soil	SLB	1045	MY	1D051-14				X	X					
2BB-1A-14-4		0920	"	SLB	"		15				X	X					
2BB-1A-14-10		0935	"	SLB	"		16				X	X					
2BB-1A-14-15		0945	"	SLB	"		17				X	X					
2BB-1A-14-20		0955	"	SLB	"		18				X	X					
2BB-1A-14-25		1010	"	SLB	"		19				X	X					
2BB-SA-NW-8-1	4-3-97	1027	"	SLB	1105		20				X	X					
2BB-SA-NW-8-4	"	1033	"	SLB	"		21				X	X					
2BB-SA-NW-8-10	"	1044	"	SLB	"		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:		
SLB	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-C6-0097595

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:	3 of 5
Laboratory:	
Lab Number:	

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

Project Name:	DAC
Project Number:	974002.00

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

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8010/8020 by 5G/HS	418.1				No. Containers	Remarks
2BB-1A-15-1	4-3-97	1030	Soil	[illegible]	1145	MY	1D050-25				X	X					
2BB-1A-15-4	"	1035	"	[illegible]	"		1D051-26				X	X					
2BB-1A-15-10	"	1050	"	[illegible]	"		27				X	X					
2BB-1A-15-15	"	1100	"	[illegible]	"		28				X	X					
2BB-1A-15-20	"	1110	"	[illegible]	"		29				X	X					
2BB-1A-15-25	"	1125	"	[illegible]	"		30				X	X					
2BB-3A-NW-10-4	"	1232	"	[illegible]	1325		31				X	X					
2BB-3A-NW-10-10	"	~~1243~~ 1243 [illegible]	"	[illegible]	1325		32				X	X					
2BB-1A-16-1	"	1220	"	[illegible]	1340		33				X	X					
2BB-1A-16-4	"	1225	"	[illegible]			34				X	X					
2BB-1A-16-10	"	~~1300~~ 1250 [illegible]	"	[illegible]			35				X	X					
2BB-1A-16-15	"	1300	"	[illegible]			36				X	X					
2BB-1A-16-20	"	1310	"	[illegible]			37				X	X					
2BB-1A-16-25	"	1320	"	[illegible]			38				X	X					

Initials:	Printed Name:	Signature:		
[illegible]	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-C6-0097596

CHAIN OF CUSTODY RECO[illegible]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:	4-3-97
Page:	4 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	418.1				No. Containers	Remarks
2BB-SA-NW-11-1	4-3-97	1315	Soil	SCS	1420	MY	10051-39				X	X					
2BB-SA-NW-11-4	"	1322	"	SCS	"		40				X	X					
2BB-SA-NW-11-10	"	1328	"	SCS	"		41				X	X					
2BB-SA-NW-12-4	"	1348	"	SCS	"		42				X	X					
2BB-SA-NW-12-10	"	1404	"	SCS	"		43				X	X					
2BB-SA-NE-1-1	"	1355	"	SCS	1515		44				X	X					
2BB-SA-NE-1-4	"	1405	"	SCS	"		45				X	X					
2BB-SA-NE-1-10	"	1415	"	SCS	"		46				X	X					
2BB-SA-NE-1-15	"	1425	"	SCS	"		47				X	X					
2BB-SA-NE-1-20	"	1435	"	SCS	"		48				X	X					
2BB-SA-NE-1-25	"	1455	"	SCS	"		49				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-C6-0097597

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:	5 of 5
Laboratory:	
Lab Number:	

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

Project Name:	DAC
Project Number:	974002.00

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

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	Soxhlet By GC/MS	418.1				No. Containers	Remarks
2BB-SA-NE-5-1	4-3-97	1430	Soil	SLS	1530	MY	10051-50				X	X					
2BB-SA-NE-5-4	"	1434	"	SLS	"		51				X	X					
2BB-SA-NE-5-10	"	1450	"	SLS	"		52				X	X					
2BB-SA-NE-5-15	"	1453	"	SLS	"		53				X	X					
2BB-SA-NE-5-20	"	1503	"	SLS	"		54				X	X					
2BB-SA-NE-5-25	"	1515	"	SLS	"		55				X	X					

Initials:	Printed Name:	Signature:		
SLS	Shane Grimshire	[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-C6-0097598