ONSITE
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Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/24/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/24/97	**Client:**	Kennedy/Jenks
Report Number:	1D066A.RPT	**Project:**	974002.00
Lab Number:	1D066	**Units Soil:**	mg/Kg
Date Reported:	4/25/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D066-01	2BB-36-17-1	4/24/97	4/24/97	ND	1	Soil
1D066-02	2BB-36-17-4	4/24/97	4/24/97	ND	1	Soil
1D066-03	2BB-36-17-10	4/24/97	4/24/97	72	1	Soil
1D066-04	2BB-36-17-15	4/24/97	4/24/97	ND	1	Soil
1D066-05	2BB-36-17-20	4/24/97	4/24/97	ND	1	Soil
1D066-06	2BB-36-17-25	4/24/97	4/24/97	ND	1	Soil
1D066-07	2BB-6-5-2.0	4/24/97	4/24/97	23	1	Soil
1D066-08	2BB-6-5-4.5	4/24/97	4/24/97	41	1	Soil
1D066-09	2BB-6-5-9.5	4/24/97	4/24/97	ND	1	Soil
1D066-10	2BB-6-5-19.5	4/24/97	4/24/97	ND	1	Soil
1D066-11	2BB-6-5-29.5	4/24/97	4/24/97	ND	1	Soil
1D066-12	2BB-6-5-39.5	4/24/97	4/24/97	ND	1	Soil
1D066-13	2BB-6-5-49.5	4/24/97	4/24/97	ND	1	Soil
1D066-14	2BB-SA-NE-17-1	4/24/97	4/24/97	1500	100	Soil
1D066-15	2BB-SA-NE-17-4	4/24/97	4/24/97	84	1	Soil
1D066-16	2BB-SA-NE-17-10	4/24/97	4/24/97	ND	1	Soil
1D066-17	2BB-SA-NE-17-15	4/24/97	4/24/97	ND	1	Soil
1D066-18	2BB-SA-NE-17-20	4/24/97	4/24/97	ND	1	Soil
1D066-19	2BB-SA-NE-17-25	4/24/97	4/24/97	ND	1	Soil
1D066-20	2BB-6-6-1.5	4/24/97	4/24/97	23	1	Soil
1D066-21	2BB-6-6-4.5	4/24/97	4/24/97	ND	1	Soil
1D066-22	2BB-6-6-9.5	4/24/97	4/24/97	ND	1	Soil
1D066-23	2BB-6-6-19.5	4/24/97	4/24/97	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, 5510 Boscell Common, Fremont, CA 94538 (510) 490-8571

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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ONSITE ENVIRONMENTAL LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/24/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/24/97	**Client:**	Kennedy/Jenks
Report Number:	1D066B.RPT	**Project:**	974002.00
Lab Number:	1D066	**Units Soil:**	mg/Kg
Date Reported:	4/25/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D066-24	2BB-6-6-29.5	4/24/97	4/24/97	ND	1	Soil
1D066-25	2BB-6-6-39.5	4/24/97	4/24/97	ND	1	Soil
1D066-26	2BB-6-6-50.5	4/24/97	4/24/97	ND	1	Soil
1D066-27	2BB-6-17-1.5	4/24/97	4/24/97	ND	1	Soil
1D066-28	2BB-6-17-4.5	4/24/97	4/24/97	ND	1	Soil
1D066-29	2BB-6-17-9.5	4/24/97	4/24/97	ND	1	Soil
1D066-30	2BB-6-17-19.5	4/24/97	4/24/97	ND	1	Soil
1D066-31	2BB-6-17-29.5	4/24/97	4/24/97	ND	1	Soil
1D066-32	2BB-6-17-39.5	4/24/97	4/24/97	ND	1	Soil
1D066-33	2BB-6-17-49.5	4/24/97	4/24/97	ND	1	Soil
1D066-34	2BB-2-11-1.5	4/24/97	4/24/97	3200	100	Soil
1D066-35	2BB-2-11-4.5	4/24/97	4/24/97	ND	1	Soil
1D066-36	2BB-2-11-9.5	4/24/97	4/24/97	ND	1	Soil
1D066-37	2BB-2-11-19.5	4/24/97	4/24/97	ND	1	Soil
1D066-38	2BB-2-11-29.5	4/24/97	4/24/97	ND	1	Soil
1D066-39	2BB-2-11-39.5	4/24/97	4/24/97	ND	1	Soil
1D066-40	2BB-2-11-49.5	4/24/97	4/24/97	ND	1	Soil
1D066-41	2BB-4-3A-1	4/24/97	4/24/97	ND	1	Soil
1D066-42	2BB-4-3A-4	4/24/97	4/24/97	ND	1	Soil
1D066-43	2BB-4-3A-10	4/24/97	4/24/97	ND	1	Soil
1D066-44	2BB-4-3A-20	4/24/97	4/24/97	ND	1	Soil
1D066-45	2BB-4-3A-30	4/24/97	4/24/97	ND	1	Soil
1D066-46	2BB-4-3A-40	4/24/97	4/24/97	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) 490-8571

Gareth Voigt
Laboratory Director

MAY 09 1997
Date

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Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/24/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/24/97	**Client:**	Kennedy/Jenks
Report Number:	1D066C.RPT	**Project:**	974002.00
Lab Number:	1D066	**Units Soil:**	mg/Kg
Date Reported:	4/25/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D066-47	**2BB-4-3A-50**	4/24/97	4/24/97	ND	1	Soil
1D066-48	**2BB-36-13-1.5**	4/24/97	4/24/97	**5600**	100	Soil
1D066-49	**2BB-36-13-4.5**	4/24/97	4/24/97	**35**	1	Soil
1D066-50	**2BB-36-13-9.5**	4/24/97	4/24/97	**380**	10	Soil
1D066-51	**2BB-36-13-19.5**	4/24/97	4/24/97	**2100**	10	Soil
1D066-52	**2BB-36-13-29.5**	4/24/97	4/24/97	**590**	10	Soil
1D066-53	**2BB-36-13-39.5**	4/24/97	4/24/97	**570**	10	Soil
1D066-54	**2BB-36-13-49.5**	4/24/97	4/24/97	**29**	1	Soil

Reporting Limits SOIL mg/Kg	10

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

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

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

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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

Date Sampled:	4/24/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/24/97	**Client:**	Kennedy/Jenks
Report Number:	1D066E.RPT	**Project:**	McDonnell Douglas
Lab Number:	1D066	**Units Soil:**	mg/Kg

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TPH-E Diesel	TPH-E Motor Oil	TPH-E Sur. %	TPH-E DF	Matrix
1D066-03	**2BB-36-17-10**	4/24/97	4/24/97	ND	**50**	72	1	Soil
1D066-08	**2BB-6-5-4.5**	4/24/97	4/24/97	ND	ND	83	1	Soil
1D066-14	**2BB-SA-NE-17-1**	4/24/97	4/25/97	**31,000***	ND	D	10	Soil
1D066-15	**2BB-SA-NE-17-4**	4/24/97	4/24/97	ND	**11**	100	1	Soil
1D066-34	**2BB-2-11-1.5**	4/24/97	4/24/97	ND	**710***	D	10	Soil
1D066-48	**2BB-36-13-1.5**	4/24/97	4/25/94	ND	**1300***	D	5	Soil
1D066-49	**2BB-36-13-4.5**	4/24/97	4/25/97	ND	**18**	92	1	Soil
1D066-50	**2BB-36-13-9.5**	4/24/97	4/25/97	ND	**240***	107	1	Soil
1D066-51	**2BB-36-13-19.5**	4/24/97	4/25/97	**3700***	**110**	95	1	Soil
1D066-52	**2BB-36-13-29.5**	4/24/97	4/24/97	**25***	ND	85	1	Soil
1D066-53	**2BB-36-13-39.5**	4/24/97	4/24/97	ND	ND	95	1	Soil
Reporting Limits SOIL mg/Kg				10	10			

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

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

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

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/24/97	4/24/97	4/24/97	4/24/97	4/24/97	4/24/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D066-01	1D066-02	1D066-03	1D066-04	1D066-05	1D066-06
CLIENT SAMPLE ID : 2BB-			36-17-1	36-17-4	36-17-10	36-17-15	36-17-20	36-17-25
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	**36**	**22**	**83**	**16**
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	**28**	**6.9**	**43**	**7.4**
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%-120%	104%	106%	106%	88%	88%	89%
Toluene-d8	50	80%-115%	105%	106%	104%	110%	110%	110%
4-Bromofluorobenzene	50	75%-125%	98%	99%	97%	94%	93%	94%

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

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/24/97	4/24/97	4/24/97	4/24/97	4/24/97	4/24/97	4/24/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D066-07	1D066-08	1D066-09	1D066-10	1D066-11	1D066-12	1D066-13
CLIENT SAMPLE ID : 2BB-			6-5-2.0	6-5-4.5	6-5-9.5	6-5-19.5	6-5-29.5	6-5-39.5	6-5-49.5
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	**8.4**	**7.4**	**7.7**	**16**	**17**	**33**	**28**
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	89%	88%	87%	88%	106%	104%	107%
Toluene-d8	50	80%-115%	108%	110%	108%	108%	105%	105%	104%
4-Bromofluorobenzene	50	75%-125%	93%	92%	94%	94%	97%	99%	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

Laboratory Director

MAY 0 9 1997
Date

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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/24/97	4/24/97	4/24/97	4/24/97	4/24/97	4/24/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D066-14	1D066-15	1D066-16	1D066-17	1D066-18	1D066-19
		CLIENT SAMPLE ID : 2BB-	SA-NE-17-1	SA-NE-17-4	SA-NE-17-10	SA-NE-17-15	SA-NE-17-20	SA-NE-17-25
		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	5.4	7.7	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%-120%	95%	89%	86%	108%	108%	107%
Toluene-d8	50	80%-115%	106%	110%	110%	105%	105%	106%
4-Bromofluorobenzene	50	75%-125%	93%	91%	93%	99%	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 0 9 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/24/97	4/24/97	4/24/97	4/24/97	4/24/97	4/24/97	4/24/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D066-20	1D066-21	1D066-22	1D066-23	1D066-24	1D066-25	1D066-26
CLIENT SAMPLE ID : 2BB-			6-6-1.5	6-6-4.5	6-6-9.5	6-6-19.5	6-6-29.5	6-6-39.5	6-6-50.5
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	6.0	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	89%	91%	89%	90%	89%	91%	93%
Toluene-d8	50	80%-115%	110%	111%	110%	110%	111%	110%	110%
4-Bromofluorobenzene	50	75%-125%	91%	92%	90%	90%	91%	91%	91%

Notes :

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PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
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Gavin Voigt
Laboratory Director

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/24/97	4/24/97	4/24/97	4/24/97	4/24/97	4/24/97	4/24/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D066-27	1D066-28	1D066-29	1D066-30	1D066-31	1D066-32	1D066-33
CLIENT SAMPLE ID : 2BB-			6-17-1.5	6-17-4.5	6-17-9.5	6-17-19.5	6-17-29.5	6-17-39.5	6-17-49.5
EXTRACTION SOLVENT									
EXTRACTION METHOD									
DILUTION FACTOR			1	1	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	109%	109%	108%	110%	112%	109%	109%
Toluene-d8	50	80%-115%	106%	105%	105%	105%	105%	104%	105%
4-Bromofluorobenzene	50	75%-125%	95%	97%	97%	97%	98%	98%	97%

Notes :

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Gareth Voigt
Laboratory Director

MAY 0 9 1997
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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/24/97	4/24/97	4/24/97	4/24/97	4/24/97	4/24/97	4/24/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D066-34	1D066-35	1D066-36	1D066-37	1D066-38	1D066-39	1D066-40
CLIENT SAMPLE ID : 2BB-			2-11-1.5	2-11-4.5	2-11-9.5	2-11-19.5	2-11-29.5	2-11-39.5	2-11-49.5
EXTRACTION SOLVENT									
EXTRACTION METHOD									
DILUTION FACTOR			1	1	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	91%	90%	92%	109%	109%	112%	111%
Toluene-d8	50	80%-115%	108%	111%	111%	106%	106%	105%	105%
4-Bromofluorobenzene	50	75%-125%	88%	89%	90%	95%	96%	96%	95%

Notes :

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Laboratory Director

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/24/97	4/24/97	4/24/97	4/24/97	4/24/97	4/24/97	4/24/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D066-41	1D066-42	1D066-43	1D066-44	1D066-45	1D066-46	1D066-47
CLIENT SAMPLE ID : 2BB-			4-3A-1	4-3A-4	4-3A-10	4-3A-20	4-3A-30	4-3A-40	4-3A-50
EXTRACTION SOLVENT									
EXTRACTION METHOD									
DILUTION FACTOR			1	1	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	105%	105%	107%	106%	109%	110%	109%
Toluene-d8	50	80%-115%	106%	106%	106%	106%	106%	106%	105%
4-Bromofluorobenzene	50	75%-125%	97%	98%	99%	99%	98%	97%	98%

Notes :

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Laboratory Director

MAY 0 9 1997
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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED		4/24/97	4/24/97	4/24/97	4/24/97	4/24/97	4/24/97	4/24/97
DATE EXTRACTED		N/A	N/A	4/25/97 **	4/24/97	4/24/97	4/24/97	4/24/97
LAB SAMPLE ID		1D066-48	1D066-49	1D066-50	1D066-51	1D066-52	1D066-53	1D066-54
CLIENT SAMPLE ID : 2BB-		36-13-1.5	36-13-4.5	36-13-9.5	36-13-19.5	36-13-29.5	36-13-39.5	36-13-49.5
EXTRACTION SOLVENT				MeOH	MeOH	MeOH	MeOH	MeOH
EXTRACTION METHOD				3580A	3580A	3580A	3580A	3580A
DILUTION FACTOR		1	1	1 / 20*	200 / 8000*	200	130	40
COMPOUND	CRDL							
Benzene	5	ND	ND	ND	**1200**	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	**6.3**	**6300**	ND	ND	**140**
1,2-Dichloroethane (1,2-DCA)	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)	5	ND	**17**	**59**	**5400**	ND	ND	**140**
cis-1,2-Dichloroethene (c-1,2-DCE)	5	ND	ND	ND	**1600**	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	**370000***	**1600**	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	**9.5**	**3700000***	**33000**	**26000**	**5900**
1,1,1-Trichloroethane (1,1,1-TCA)	5	**23**	**160**	**930***	**33000**	ND	**2100**	**1400**
1,1,2-Trichloroethane (1,1,2-TCA)	5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	5	ND	**16**	**130**	**97000**	**940**	**1600**	**550**
Trichlorofluoromethane (Freon 11)	5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes	5	**5.5**	ND	**9.2**	**2300000***	**9600**	**800**	**180**
o-Xylene	5	ND	ND	ND	**690000***	**3800**	**330**	ND
Vinyl chloride (VC)	5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline	1000	ND	ND	ND	ND	ND	ND	ND
TICs :								
2-Butanone	N/A				290000 J	350000 J	350000 J	14000 J
1-Nitro-1,1-Dichloroethane	N/A			270 J				
1,2,3,4-Tetrachlorobutane	N/A			560 J				
Nitrobenzene	N/A			390 J				
SURROGATE / SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane 50	75%-120%	87%	88%	94% / 104%	90% / 90%	87%	88%	89%
Toluene-d8 50	80%-115%	110%	108%	103% / 106	114% / 111	108%	109%	108%
4-Bromofluorobenzene 50	75%-125%	88%	91%	83% / 99%	100% / 94%	93%	93%	94%

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
J - Estimated value
** Sample was run for 1,1,1-TCA 4/25/97

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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QC DATA REPORT
TRPH
EPA Method 418.1

Date Sampled:	4/24/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/24/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/24/97	**Project:**	974002.00
Date Extracted:	4/24/97	**Matrix:**	Soil
Report Number:	0424B.QAC	**Units:**	mg/Kg
Lab Number:	2BB-6-17-49.5, 1D066-37		

Parameter	Blank 1 Result mg/Kg	Blank 2 Result mg/Kg	Spike Level mg/Kg	LCS Result mg/Kg	LCS Recov. %	Sample Result mg/Kg	MS Result mg/Kg	MS Recov. %	MSD Result mg/Kg	MSD Recov. %	RPD %
418.1	ND	ND	25.0	25.3	101	0.0	25.3	101	27.7	111	9.1

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:	4/24/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/24/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/24/97	**Project:**	974002.00
Date Extracted:	4/24/97	**Matrix:**	Soil
Report Number:	0424A.QAC	**Units:**	mg/Kg
Lab Number:	2BB-6-5-29.5, 1D066-11		

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	26.7	107	0.0	27.4	110	26.3	105	4.1

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
TPH-E
EPA Method 8015 Modified

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

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

DEFINITION OF TERMS:

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

LABORATORY QC CRITERIA

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

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ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QA/QC REPORT FOR ORGANICS

Laboratory Quality Control Check Sample (LCS)

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

DATE PERFORMED: 4/24/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/24 #1 MS2
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/24 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	28.3	113%	85%-115%
Bromodichloromethane		ND	25	25.7	103%	85%-115%
Bromoform		ND	25	23.4	93%	85%-115%
Bromomethane		ND	25	25.2	101%	85%-115%
Carbon tetrachloride		ND	25	23.1	92%	85%-115%
Chlorobenzene		ND	25	23.4	94%	85%-115%
Chloroethane		ND	25	23.3	93%	85%-115%
Chloroform		ND	25	24.2	97%	85%-115%
Chloromethane		ND	25	26.8	107%	85%-115%
Dibromochloromethane		ND	25	23.0	92%	85%-115%
1,2-Dichlorobenzene		ND	25	24.5	98%	85%-115%
1,3-Dichlorobenzene		ND	25	24.7	99%	85%-115%
1,4-Dichlorobenzene		ND	25	25.1	100%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	19.8	79%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	22.7	91%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	23.8	95%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	26.6	106%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	25.1	101%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	26.2	105%	85%-115%
1,2-Dichloropropane		ND	25	25.2	101%	85%-115%
cis-1,3-Dichloropropene		ND	25	25.7	103%	85%-115%
trans-1,3-Dichloropropene		ND	25	25.6	103%	85%-115%
Ethyl benzene		ND	25	26.1	104%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	26.3	105%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	22.7	91%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	24.0	96%	85%-115%
Tetrachloroethene (PCE)		ND	25	25.8	103%	85%-115%
Toluene		ND	25	29.6	119%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	22.6	90%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	27.5	110%	85%-115%
Trichloroethene (TCE)		ND	25	27.3	109%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	16.0	64%	85%-115%
m,p-Xylenes		ND	50	48.3	97%	85%-115%
o-Xylene		ND	25	23.9	96%	85%-115%
Vinyl chloride (VC)		ND	25	21.9	88%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	88%		88%		
Toluene-d8	50	112%		112%		
4-Bromofluorobenzene	50	92%		94%		

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

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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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: 4/24/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/24 #2 MS2
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/24 #2	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	27.8	111%	85%-115%
Bromodichloromethane		ND	25	25.0	100%	85%-115%
Bromoform		ND	25	21.7	87%	85%-115%
Bromomethane		ND	25	26.1	105%	85%-115%
Carbon tetrachloride		ND	25	22.0	88%	85%-115%
Chlorobenzene		ND	25	22.6	90%	85%-115%
Chloroethane		ND	25	23.1	93%	85%-115%
Chloroform		ND	25	24.1	96%	85%-115%
Chloromethane		ND	25	28.7	115%	85%-115%
Dibromochloromethane		ND	25	21.5	86%	85%-115%
1,2-Dichlorobenzene		ND	25	23.9	96%	85%-115%
1,3-Dichlorobenzene		ND	25	24.0	96%	85%-115%
1,4-Dichlorobenzene		ND	25	23.4	94%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	19.3	77%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	22.8	91%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	22.9	91%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	27.5	110%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	25.7	103%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	26.3	105%	85%-115%
1,2-Dichloropropane		ND	25	24.5	98%	85%-115%
cis-1,3-Dichloropropene		ND	25	25.0	100%	85%-115%
trans-1,3-Dichloropropene		ND	25	23.8	95%	85%-115%
Ethyl benzene		ND	25	25.1	100%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	26.9	108%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	22.0	88%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	23.3	93%	85%-115%
Tetrachloroethene (PCE)		ND	25	24.3	97%	85%-115%
Toluene		ND	25	28.4	114%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	22.6	90%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	26.6	106%	85%-115%
Trichloroethene (TCE)		ND	25	26.0	104%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	17.6	70%	85%-115%
m,p-Xylenes		ND	50	46.2	92%	85%-115%
o-Xylene		ND	25	23.0	92%	85%-115%
Vinyl chloride (VC)		ND	25	22.7	91%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	88%		91%		
Toluene-d8	50	112%		111%		
4-Bromofluorobenzene	50	92%		92%		

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

Gareth Voigt
Laboratory Director

MAY 0 9 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: 4/24/97
BATCH #: 0424-1
LAB SAMPLE ID #: 1D066-16

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	132	106%	125	140	112%	6%	70%-130%	20
Chlorobenzene		ND	125	110	88%	125	115	92%	4%	70%-130%	20
Chloroform		ND	125	113	90%	125	120	96%	6%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	112	89%	125	116	93%	4%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	109	87%	125	127	102%	15%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	134	107%	125	140	112%	5%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	201	161%	125	209	167%	4%	70%-130%	20
Toluene		ND	125	135	108%	125	143	114%	6%	70%-130%	20
Trichloroethene (TCE)		ND	125	131	105%	125	138	110%	5%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	86%		89%			90%				
Toluene-d8	50	110%		110%			109%				
4-Bromofluorobenzene	50	93%		92%			95%				

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

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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LABORATORIES, INC.

Project No: 974002.00

LABORATORY QA/QC REPORT FOR ORGANICS

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

DATE PERFORMED: 4/24/97
BATCH #: 0424-3
LAB SAMPLE ID #: 1D066-48

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	139	111%	125	140	112%	1%	70%-130%	20
Chlorobenzene		ND	125	117	93%	125	119	95%	2%	70%-130%	20
Chloroform		ND	125	117	93%	125	118	94%	1%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	115	92%	125	116	93%	1%	70%-130%	20
1,2-Dichloroethane (1,2 DCA)		ND	125	122	97%	125	123	99%	1%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	138	110%	125	140	112%	1%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	220	176%	125	228	183%	4%	70%-130%	20
Toluene		2.8	125	138	108%	125	144	113%	4%	70%-130%	20
Trichloroethene (TCE)		ND	125	141	113%	125	145	116%	3%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	87%		88%			88%				
Toluene-d8	50	110%		108%			110%				
4-Bromofluorobenzene	50	88%		93%			96%				

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

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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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: 4/24/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/24 #1 MS3
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/24 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	27.8	111%	85%-115%
Bromodichloromethane		ND	25	26.5	106%	85%-115%
Bromoform		ND	25	22.7	91%	85%-115%
Bromomethane		ND	25	20.5	82%	85%-115%
Carbon tetrachloride		ND	25	26.3	105%	85%-115%
Chlorobenzene		ND	25	26.8	107%	85%-115%
Chloroethane		ND	25	26.9	107%	85%-115%
Chloroform		ND	25	28.9	115%	85%-115%
Chloromethane		ND	25	28.4	114%	85%-115%
Dibromochloromethane		ND	25	25.0	100%	85%-115%
1,2-Dichlorobenzene		ND	25	27.1	108%	85%-115%
1,3-Dichlorobenzene		ND	25	27.4	110%	85%-115%
1,4-Dichlorobenzene		ND	25	27.2	109%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	24.7	99%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	30.5	122%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	28.1	112%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	28.0	112%	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	28.5	114%	85%-115%
1,2-Dichloropropane		ND	25	27.8	111%	85%-115%
cis-1,3-Dichloropropene		ND	25	27.3	109%	85%-115%
trans-1,3-Dichloropropene		ND	25	27.3	109%	85%-115%
Ethyl benzene		ND	25	24.6	98%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	28.0	112%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	24.8	99%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	28.5	114%	85%-115%
Tetrachloroethene (PCE)		ND	25	24.3	97%	85%-115%
Toluene		ND	25	27.3	109%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	29.1	116%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	25.9	104%	85%-115%
Trichloroethene (TCE)		ND	25	26.2	105%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	20.9	83%	85%-115%
m,p-Xylenes		ND	50	54.4	109%	85%-115%
o-Xylene		ND	25	28.0	112%	85%-115%
Vinyl chloride (VC)		ND	25	22.6	91%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	109%		108%		
Toluene-d8	50	105%		105%		
4-Bromofluorobenzene	50	98%		98%		

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

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QA/QC REPORT FOR ORGANICS

Laboratory Quality Control Check Sample (LCS)

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

DATE PERFORMED: 4/24/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/24 #2 MS3
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/24 #2	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	28.3	113%	85%-115%
Bromodichloromethane		ND	25	26.5	106%	85%-115%
Bromoform		ND	25	19.2	77%	85%-115%
Bromomethane		ND	25	21.5	86%	85%-115%
Carbon tetrachloride		ND	25	27.0	108%	85%-115%
Chlorobenzene		ND	25	27.0	108%	85%-115%
Chloroethane		ND	25	27.8	111%	85%-115%
Chloroform		ND	25	29.3	117%	85%-115%
Chloromethane		ND	25	30.1	120%	85%-115%
Dibromochloromethane		ND	25	23.5	94%	85%-115%
1,2-Dichlorobenzene		ND	25	27.0	108%	85%-115%
1,3-Dichlorobenzene		ND	25	27.7	111%	85%-115%
1,4-Dichlorobenzene		ND	25	27.5	110%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	25.1	101%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	31.0	124%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	27.4	110%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	28.2	113%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	28.6	114%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	28.9	116%	85%-115%
1,2-Dichloropropane		ND	25	28.2	113%	85%-115%
cis-1,3-Dichloropropene		ND	25	27.1	108%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.1	105%	85%-115%
Ethyl benzene		ND	25	26.3	105%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	27.9	112%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	24.8	99%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	23.1	92%	85%-115%
Tetrachloroethene (PCE)		ND	25	24.6	98%	85%-115%
Toluene		ND	25	27.7	111%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	29.6	119%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	24.2	97%	85%-115%
Trichloroethene (TCE)		ND	25	26.6	106%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	20.6	82%	85%-115%
m,p-Xylenes		ND	50	54.7	109%	85%-115%
o-Xylene		ND	25	28.2	113%	85%-115%
Vinyl chloride (VC)		ND	25	29.1	116%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	110%		107%		
Toluene-d8	50	105%		105%		
4-Bromofluorobenzene	50	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

Gareth Voigt
Laboratory Director

MAY 0 9 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: 4/24/97
BATCH #: 0424-2
LAB SAMPLE ID #: 1D066-17

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	138	110%	125	137	110%	1%	70%-130%	20
Chlorobenzene		ND	125	125	100%	125	124	100%	0%	70%-130%	20
Chloroform		ND	125	143	115%	125	144	115%	1%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	156	125%	125	158	126%	1%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	146	117%	125	146	116%	0%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	147	118%	125	145	116%	2%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	149	119%	125	159	127%	7%	70%-130%	20
Toluene		ND	125	133	107%	125	132	106%	1%	70%-130%	20
Trichloroethene (TCE)		5.4	125	136	105%	125	131	100%	4%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	108%		108%			108%				
Toluene-d8	50	105%		105%			106%				
4-Bromofluorobenzene	50	99%		96%			96%				

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

Garth Voigt
Laboratory Director

MAY 0 9 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: 4/24/97
BATCH #: 0424-4
LAB SAMPLE ID #: 1D066-47

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	135	108%	125	133	106%	1%	70%-130%	20
Chlorobenzene		ND	125	121	97%	125	120	96%	0%	70%-130%	20
Chloroform		ND	125	144	116%	125	143	114%	1%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	158	127%	125	156	125%	2%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	144	115%	125	145	116%	1%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	145	116%	125	142	114%	2%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	120	96%	125	122	97%	2%	70%-130%	20
Toluene		3.6	125	133	104%	125	131	102%	1%	70%-130%	20
Trichloroethene (TCE)		ND	125	125	100%	125	125	100%	0%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	109%		110%			110%				
Toluene-d8	50	105%		106%			106%				
4-Bromofluorobenzene	50	98%		97%			97%				

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

Gareth Voigt
Laboratory Director

MAY 0 9 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: 4/24/97

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

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

Normal Hours and Overtime Hours Worked:

Normal Hours 10

Overtime Hours 3

Reason for Overtime

Sample Volume and Matrix

Samples Received and Matrix 54 soils for 8260 (8010/8020 list) & 418.1

Time Last Samples Received

Client Issues Raised:

ONSITE Action Plan:

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532
Tustin, CA 92680
(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

Mobile Lab

Lab Job No: _____
Page _____ of _____

REQUIRED TAT: _____

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Kennedy / Jenks	PROJECT NAME: DAC
SEND REPORT TO: Rus Purcell	NUMBER: 974002.00
ADDRESS: 2151 Michelson Dr. Suite 100	LOCATION:
Irvine CA. 92612	ADDRESS:
PHONE: 714-261-1577 FAX:	SAMPLED BY: SCS

ANALYSIS/METHOD REQUEST: 8010/8020 by GC/MS; 418.1

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	8010/8020 by GC/MS	418.1							REMARKS/PRECAUTIONS
2BB-36-17-1	1	4-24-97	0830	Soil			X	X							10066-01
2BB 36-17-4	1	"	0837	"			X	X							02
2BB 36-17-10	1	"	0842	"			X	X							03
2BB-36-17-15	1	"	0849	"			X	X							04
2BB-36-17-20	1	"	0857	"			X	X							05
2BB-36-17-25	1	"	0912	"			X	X							06
2BB-6-5 2.0	1	"		"			X	X							07
2BB-6 5-4.5	1	"	0830	"			X	X							08
2BB-6-5-9.5	1	"	0835	"			X	X							09
2BB-6-5-14.5	1	"	0841	"			X	X							10
2BB-6-5-29.5	1	"	0854	"			X	X							11
2BB-6-5-39.5	1	"	0914	"			X	X							12
2BB-6-5-49.5	1	"	0921	"			X	X							13

Total No. of Samples:	Method of Shipment:	
Relinquished By: [signature] Date/Time: 4-24-97	Received By: Michael Yurovsky Date/Time: 4-24-97 9:40	Reporting Format: (check) NORMAL _____ S.D. HMMD _____
Relinquished By: Date/Time:	Received By: Date/Time:	RWQCB _____ OTHER _____
Relinquished By: Date/Time:	Received For Lab By: Date/Time:	Sample Integrity: (check) intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0145413

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532
Tustin, CA 92680
(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page _____ of _____

REQUIRED TAT: _____

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Kennedy / Jenks	PROJECT NAME: DAC
SEND REPORT TO: Rus Purcell	NUMBER: 974002.00
ADDRESS: 2151 Michelson Dr. Suite 100	LOCATION: ~~Irvine~~ Torrance
Irvine CA. 92612	ADDRESS:
PHONE: 714-261-1577 FAX:	SAMPLED BY: SLS

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	8010/8020 by GC/MS	418.1							REMARKS/PRECAUTIONS
2BB-SA-NE-17-1	1	4-24-97	0934	Soil			X	X							1D066-14
2BB-SA-NE-17-4	1	"	0939	"			X	X							15
2BB SA-NE-17-10	1	"	0949	"			X	X							16
2BB-SA-NE-17-15	1	"	0959	"			X	X							17
2BB-SA-NE-17-20	1	"	1011	"			X	X							18
2BB-SA-NE-17-25	1	"	1025	"			X	X							19
2BB-6-6-1.5	1	"	1001	"			X	X							20
2BB-6-6-4.5	1	"	1005	"			X	X							21
2BB-6-6-9.5	1	"	1010	"			X	X							22
2BB-6-6-19.5	1	"	1016	"			X	X							23
2BB 6-6-29.5	1	"	1022	"			X	X							24
2BB-6-6-39.5	1	"	1029	"			X	X							25
2BB-6-6-50.5	1	"	1048	"			X	X							26

Total No. of Samples: _____ Method of Shipment: _____

Relinquished By:	Date/Time:	Received By:	Date/Time:	Reporting Format: (check)
[signature]	4-24-97	Michael Jnonby	4/24/97 11:00	NORMAL _____ S.D. HMMD _____
Relinquished By:	Date/Time:	Received By:	Date/Time:	RWQCB _____ OTHER _____
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:	Sample Integrity: (check) intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532
Tustin, CA 92680
(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 3 of _____

REQUIRED TAT: _____

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Kennedy / Jenks	PROJECT NAME: DAC
SEND REPORT TO: Rus Purcell	NUMBER: 974002.00
ADDRESS: 2151 Michelson Dr. Suite 100	LOCATION:
Irvine CA. 92612	ADDRESS:
PHONE: 714-261-1577 FAX:	SAMPLED BY:

ANALYSIS/METHOD REQUEST: 8010/8020 by GC/MS; 418.1

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	8010/8020 by GC/MS	418.1							REMARKS/PRECAUTIONS
2BB - 6 - 17 - 1.5	1	4-24-97	1130	Soil			X	X							10066-27
2BB - 6 - 17 - 4.5	1	"	1133	"			X	X							28
2BB - 6 - 17 - 9.5	1	"	1137	"			X	X							29
2BB - 6 - 17 - 19.5	1	"	1145	"			X	X							30
2BB - 6 - 17 - 29.5	1	"	1154	"			X	X							31
2BB - 6 - 17 - 39.5	1	"	1207	"			X	X							32
2BB - 6 - 17 - 49.5	1	"	1219	"			X	X							33
2BB - 2 - 11 - 1.5	1	"	1414	"			X	X							34
2BB - 2 - 11 - 4.5	1	"	1418	"			X	X							35
2BB - 2 - 11 - 9.5	1	"	1421	"			X	X							36
2BB - 2 - 11 - 19.5	1	"	1427	"			X	X							37
2BB - 2 - 11 - 29.5	1	"	1437	"			X	X							38
2BB - 2 - 11 - 39.5	1	"	1448	"			X	X							39
2BB - 2 - 11 - 49.5	1	"	1459	"			X	X							40

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	4-24-97	Michael Jmarty	4/24/97 1530
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532
Tustin, CA 92680
(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page _____ of _____

REQUIRED TAT: _____

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Kennedy / Jenks	PROJECT NAME:	DAC
SEND REPORT TO:	Rus Purcell	NUMBER:	974002.00
ADDRESS:	2151 Michelson Dr. Suite 100 Irvine CA 92612	LOCATION:	
		ADDRESS:	
PHONE:	714-261-1577 FAX:	SAMPLED BY:	SCS

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	8010/8020 by GC/MS	418.1							REMARKS/PRECAUTIONS
2BB-4-3A-1	1	4-24-97	1408	Soil			X	X							10066-41
2BB-4-3A-4	1	"	1414	"			X	X							42
2BB-4-3A-10	1	"	1424	"			X	X							43
2BB-4-3A-20	1	"	1433	"			X	X							44
2BB-4-3A-30	1	"	1442	"			X	X							45
2BB-4-3A-40	1	"	1456	"			X	X							46
2BB-4-3A-50	1	"	1505	"			X	X							47
2BB-36-13-1.5	1	"	~~1617~~ 1604	"			X	X							48
2BB-36-13-4.5	1	"	~~1614~~ 1611	"			X	X							49
2BB-36-13-9.5	1	"	~~1622~~ 1614	"			X	X							50
2BB-36-13-19.5	1	"	~~1634~~ 1622	"			X	X							51
2BB-36-13-29.5	1	"	~~1644~~ 1634	"			X	X							52
2BB-36-13-39.5	1	"	1644	"			X	X							53
2BB-36-13-49.5	1	"	1652	"			X	X							54

Total No. of Samples: ~~55~~

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	4-24-97	Michael Jurovsky	4/24/97 17:40
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0145416