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Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/9/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/10/97	**Client:**	Kennedy/Jenks
Report Number:	1D056A.RPT	**Project:**	974002.00
Lab Number:	1D056	**Units Soil:**	mg/Kg
Date Reported:	4/11/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D056-01	2BB-5-27-1	4/10/97	4/10/97	ND	1	Soil
1D056-02	2BB-5-27-4	4/10/97	4/10/97	ND	1	Soil
1D056-03	2BB-5-27-10	4/10/97	4/10/97	ND	1	Soil
1D056-04	2BB-5-33-1	4/10/97	4/10/97	ND	1	Soil
1D056-05	2BB-5-33-4	4/10/97	4/10/97	ND	1	Soil
1D056-06	2BB-5-33-10	4/10/97	4/10/97	ND	1	Soil
1D056-07	2BB-5-36-1	4/10/97	4/10/97	ND	1	Soil
1D056-08	2BB-5-36-4	4/10/97	4/10/97	ND	1	Soil
1D056-09	2BB-5-36-10	4/10/97	4/10/97	ND	1	Soil
1D056-10	2BB-5-34-1	4/10/97	4/10/97	ND	1	Soil
1D056-11	2BB-5-34-4	4/10/97	4/10/97	ND	1	Soil
1D056-12	2BB-5-34-10	4/10/97	4/10/97	ND	1	Soil
1D056-13	2BB-5-35-1	4/10/97	4/10/97	ND	1	Soil
1D056-14	2BB-5-36-1	4/10/97	4/10/97	ND	1	Soil
1D056-15	2BB-5-35-10	4/10/97	4/10/97	ND	1	Soil
1D056-16	2BB-5-40-1	4/10/97	4/10/97	ND	1	Soil
1D056-17	2BB-5-40-4	4/10/97	4/10/97	ND	1	Soil
1D056-18	2BB-5-40-10	4/10/97	4/10/97	ND	1	Soil
1D056-19	2BB-5-41-1	4/10/97	4/10/97	ND	1	Soil
1D056-20	2BB-5-41-4	4/10/97	4/10/97	ND	1	Soil
1D056-21	2BB-5-41-10	4/10/97	4/10/97	ND	1	Soil
1D056-22	2BB-5-42-1	4/10/97	4/10/97	ND	1	Soil
1D056-23	2BB-5-42-4	4/10/97	4/10/97	ND	1	Soil
1D056-24	2BB-5-42-10	4/10/97	4/10/97	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:	4/9/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/10/97	**Client:**	Kennedy/Jenks
Report Number:	1D056B.RPT	**Project:**	974002.00
Lab Number:	1D056	**Units Soil:**	mg/Kg
Date Reported:	4/11/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D056-25	**2BB-5-43-1**	4/10/97	4/10/97	ND	1	Soil
1D056-26	**2BB-5-43-4**	4/10/97	4/10/97	ND	1	Soil
1D056-27	**2BB-5-43-10**	4/10/97	4/10/97	ND	1	Soil
1D056-28	**2BB-5-39-1**	4/10/97	4/10/97	ND	1	Soil
1D056-29	**2BB-5-39-4**	4/10/97	4/10/97	ND	1	Soil
1D056-30	**2BB-5-39-10**	4/10/97	4/10/97	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:	4/10/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/10/97	**Client:**	Kennedy/Jenks
Report Number:	1D056C.RPT	**Project:**	974002.00
Lab Number:	1D056	**Units Soil:**	mg/Kg
Date Reported:	4/11/97	**Units Water:**	ug/L
Date Revised:	4/15/97		

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D056-31	2BB-1-35-1	4/10/97	4/10/97	ND	1	Soil
1D056-32	2BB-1-35-4	4/10/97	4/10/97	ND	1	Soil
1D056-33	2BB-1-35-10	4/10/97	4/10/97	ND	1	Soil
1D056-34	2BB-2-30-1	4/10/97	4/10/97	61	1	Soil
1D056-35	2BB-2-30-4	4/10/97	4/10/97	17	1	Soil
1D056-36	2BB-2-30-10	4/10/97	4/10/97	ND	1	Soil
1D056-37	2BB-2-29-1	4/10/97	4/10/97	ND	1	Soil
1D056-38	2BB-2-29-4	4/10/97	4/10/97	ND	1	Soil
1D056-39	2BB-2-29-10	4/10/97	4/10/97	ND	1	Soil
1D056-40	2BB-2-28-1	4/10/97	4/10/97	67	1	Soil
1D056-41	2BB-2-28-4	4/10/97	4/10/97	ND	1	Soil
1D056-42	2BB-2-28-10	4/10/97	4/10/97	ND	1	Soil
1D056-43	2BB-2-27-1	4/10/97	4/10/97	33	1	Soil
1D056-44	2BB-2-27-4	4/10/97	4/10/97	99	1	Soil
1D056-45	2BB-2-27-10	4/10/97	4/10/97	ND	1	Soil
1D056-46	2BB-2-26-1	4/10/97	4/10/97	450	10	Soil
1D056-47	2BB-2-26-4	4/10/97	4/10/97	50	1	Soil
1D056-48	2BB-2-26-10	4/10/97	4/10/97	ND	1	Soil
1D056-49	2BB-2-25-1	4/10/97	4/10/97	42	1	Soil
1D056-50	2BB-2-25-4	4/10/97	4/10/97	16	1	Soil
1D056-51	2BB-2-25-10	4/10/97	4/10/97	ND	1	Soil
1D056-52	2BB-2-24-1	4/10/97	4/10/97	20	1	Soil
1D056-53	2BB-2-24-4	4/10/97	4/10/97	53	1	Soil
1D056-54	2BB-2-24-10	4/10/97	4/10/97	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) 498-8571

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/10/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/10/97	**Client:**	Kennedy/Jenks
Report Number:	1D056D.RPT	**Project:**	974002.00
Lab Number:	1D056	**Units Soil:**	mg/Kg
Date Reported:	4/11/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D056-55	**2BB-2-23-1**	4/10/97	4/10/97	**14**	1	Soil
1D056-56	**2BB-2-23-4**	4/10/97	4/10/97	**360**	10	Soil
1D056-57	**2BB-2-23-10**	4/10/97	4/10/97	ND	1	Soil
1D056-58	**2BB-2-23-15**	4/10/97	4/10/97	ND	1	Soil
1D056-59	**2BB-2-23-20**	4/10/97	4/10/97	ND	1	Soil
1D056-60	**2BB-2-23-25**	4/10/97	4/10/97	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
TPH-E Diesel, TPH-E Motor Oil
EPA Method 8015 Modified

Date Sampled: 4/10/97
Date Received: 4/10/97
Report Number: 1D056E.RPT
Lab Number: 1D056
Date Reported: 4/21/97

Proj Mgr: Rus Purcell
Client: Kennedy/Jenks
Project: 974002.00
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
1D056-35	**2BB-2-30-1**	4/15/97	4/16/97	ND	**37***	91	1	Soil
1D056-40	**2BB-2-28-1**	4/15/97	4/16/97	ND	**78***	87	1	Soil
1D056-43	**2BB-2-27-1**	4/15/97	4/16/97	ND	ND	93	1	Soil
1D056-44	**2BB-2-27-4**	4/15/97	4/16/97	ND	ND	104	1	Soil
1D056-46	**2BB-2-26-1**	4/15/97	4/19/97	ND	**280***	D	5	Soil
1D056-47	**2BB-2-26-4**	4/15/97	4/16/97	ND	ND	87	1	Soil
1D056-49	**2BB-2-25-1**	4/15/97	4/16/97	ND	**57***	81	1	Soil
1D056-53	**2BB-2-24-4**	4/15/97	4/16/97	ND	**66***	88	1	Soil
1D056-56	**2BB-2-23-4**	4/15/97	4/16/97	ND	**98***	83	1	Soil
Reporting Limits SOIL mg/Kg				10	10			

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

PROCEDURES:
TPH-E - This analysis was performed using EPA Method 8015 Mod and EPA Method 3550B

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

Gareth Voigt

Laboratory Director

JUN 0 4 1997

Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/10/97	4/10/97	4/10/97	4/10/97	4/10/97	4/10/97	4/10/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D056-01	1D056-02	1D056-03	1D056-04	1D056-05	1D056-06	1D056-07
CLIENT SAMPLE ID : 2BB-			5-27-1	5-27-4	5-27-10	5-33-1	5-33-4	5-33-10	5-36-1
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	**40**	**69**	**63**	**13**
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	**8.3**	**85**	**150**	**150**	**58**
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%	106%	105%	102%	104%	104%	106%	106%
Toluene-d8	50	80%-115%	103%	103%	101%	103%	103%	103%	102%
4-Bromofluorobenzene	50	75%-125%	96%	97%	94%	104%	104%	103%	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

Laboratory Director

MAY 0 7 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			4/10/97	4/10/97	4/10/97	4/10/97	4/10/97	4/10/97	4/10/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D056-08	1D056-09	1D056-10	1D056-11	1D056-12	1D056-13	1D056-14
CLIENT SAMPLE ID : 2BB-			5-36-4	5-36-10	5-34-1	5-34-4	5-34-10	5-35-1	5-35-4
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	**5.6**	**20**	**13**	**27**	**20**	**7.3**	**18**
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	**5.0**	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	**25**	**71**	**32**	**76**	**69**	**49**	**45**
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%	100%	101%	154% M	108%	105%	217% M	117% M
Toluene-d8	50	80%-115%	101%	102%	104%	102%	102%	102%	100%
4-Bromofluorobenzene	50	75%-125%	97%	98%	102%	103%	102%	95%	98%

Notes :

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

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/10/97	4/10/97	4/10/97	4/10/97	4/10/97	4/10/97	4/10/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D056-15	1D056-16	1D056-17	1D056-18	1D056-19	1D056-20	1D056-21
CLIENT SAMPLE ID : 2BB-			5-35-10	5-40-1	5-40-4	5-40-10	5-41-1	5-41-4	5-41-10
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	**30**	**5.5**	ND	**35**	ND	ND	**15**
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	**7.3**	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	**110**	**18**	**8.9**	**110**	ND	ND	**22**
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%	100%	109%	108%	106%	105%	101%	96%
Toluene-d8	50	80%-115%	100%	103%	102%	103%	99%	98%	100%
4-Bromofluorobenzene	50	75%-125%	97%	104%	101%	103%	95%	98%	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 7 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/10/97	4/10/97	4/10/97	4/10/97	4/10/97	4/10/97	4/10/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D056-22	1D056-23	1D056-24	1D056-25	1D056-26	1D056-27	1D056-28
		CLIENT SAMPLE ID : 2BB-	5-42-1	5-42-4	5-42-10	5-43-1	5-43-4	5-43-10	5-39-1
		EXTRACTION SOLVENT							
		EXTRACTION METHOD							
		DILUTION FACTOR	1	1	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	ND	ND	5.2	ND	ND	7.4	11
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%	128% M	118% M	107%	106%	99%	98%	112%
Toluene-d8	50	80%-115%	103%	104%	102%	100%	101%	101%	102%
4-Bromofluorobenzene	50	75%-125%	101%	102%	101%	97%	95%	96%	101%

Notes :

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

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/10/97	4/10/97	4/10/97	4/10/97	4/10/97	4/10/97	4/10/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D056-29	1D056-30	1D056-31	1D056-32	1D056-33	1D056-34	1D056-35
		CLIENT SAMPLE ID : 2BB-	5-39-4	5-39-10	1-35-1	1-35-4	1-35-10	2-30-1	2-30-4
		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	37	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	9.8	39	7.0	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%	106%	108%	99%	98%	94%	111%	109%
Toluene-d8	50	80%-115%	102%	102%	102%	101%	100%	100%	102%
4-Bromofluorobenzene	50	75%-125%	103%	102%	96%	95%	96%	98%	101%

Notes :

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M - 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			4/10/97	4/10/97	4/10/97	4/10/97	4/10/97	4/10/97	4/10/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D056-36	1D056-37	1D056-38	1D056-39	1D056-40	1D056-41	1D056-42
CLIENT SAMPLE ID : 2BB-			2-30-10	2-29-1	2-29-4	2-29-10	2-28-1	2-28-4	2-28-10
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	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%	107%	100%	100%	96%	114%	108%	75%
Toluene-d8	50	80%-115%	102%	99%	101%	103%	99%	102%	102%
4-Bromofluorobenzene	50	75%-125%	102%	92%	89%	93%	94%	100%	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
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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	4/10/97	4/10/97	4/10/97	4/10/97	4/10/97	4/10/97	4/10/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D056-43	1D056-44	1D056-45	1D056-46	1D056-47	1D056-48	1D056-49
		CLIENT SAMPLE ID : 2BB-	2-27-1	2-27-4	2-27-10	2-26-1	2-26-4	2-26-10	2-25-1
		EXTRACTION SOLVENT							
		EXTRACTION METHOD							
		DILUTION FACTOR	1	1	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	ND	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%	100%	100%	100%	105%	110%	110%	89%
Toluene-d8	50	80%-115%	101%	102%	100%	101%	102%	101%	98%
4-Bromofluorobenzene	50	75%-125%	92%	96%	97%	99%	98%	99%	97%

Notes :

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Laboratory Director

MAY 07 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	4/10/97	4/10/97	4/10/97	4/10/97	4/10/97	4/10/97	4/10/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D056-50	1D056-51	1D056-52	1D056-53	1D056-54	1D056-55	1D056-56
		CLIENT SAMPLE ID : 2BB-	2-25-4	2-25-10	2-24-1	2-24-4	2-24-10	2-23-1	2-23-4
		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%-120%	94%	93%	103%	106%	108%	107%	107%
Toluene-d8	50	80%-115%	98%	97%	103%	103%	102%	102%	101%
4-Bromofluorobenzene	50	75%-125%	97%	98%	101%	101%	100%	100%	101%

Notes :

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

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/10/97	4/10/97	4/10/97	4/10/97
DATE EXTRACTED			N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D056-57	1D056-58	1D056-59	1D056-60
CLIENT SAMPLE ID : 2BB-			2-23-10	2-23-15	2-23-20	2-23-25
EXTRACTION SOLVENT						
EXTRACTION METHOD						
DILUTION FACTOR			1	1	1	1
COMPOUND		CRDL				
Benzene		5	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND
Trichloroethene (TCE)		5	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	94%	93%	94%	92%
Toluene-d8	50	80%-115%	99%	99%	99%	99%
4-Bromofluorobenzene	50	75%-125%	96%	99%	98%	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 07 1997
Date

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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:	4/15/97, 4/19/97	**Project:**	974002.00
Date Extracted:	4/15/97	**Matrix:**	Soil
Report Number:	0415SD.QAC	**Units:**	mg/Kg
Lab Number:	DIESEL: 2BB-1-28-1, 1D053-23 MOTOR OIL: 2BB-2-25-1, 1D056-49		

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	76.4	76	0.0	105	105	126	126	18.2
TPH-E mo	ND	107	116	108	56.6	141	79	157	94	10.7
surr %rec dies.	102			81	95		89		109	
surr %rec mo				83	81		86		85	

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:	4/10/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/10/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/10/97	**Project:**	974002.00
Date Extracted:	4/10/97	**Matrix:**	Soil
Report Number:	0410c.QAC	**Units:**	mg/Kg
Lab Number:	2BB-2-23-25, 1D056-60		

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	28.4	114	0.0	33.2	133	30.5	122	8.5

DEFINITION OF TERMS:

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

LABORATORY QC CRITERIA

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

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QC DATA REPORT
TRPH
EPA Method 418.1

Date Sampled:	4/10/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/10/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/10/97	**Project:**	974002.00
Date Extracted:	4/10/97	**Matrix:**	Soil
Report Number:	0410b.QAC	**Units:**	mg/Kg
Lab Number:	2BB-1-29-10, 1D056-39		

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	24.6	98	27.0	108	9.3

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:	4/9/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/10/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/10/97	**Project:**	974002.00
Date Extracted:	4/10/97	**Matrix:**	Soil
Report Number:	0410a.QAC	**Units:**	mg/Kg
Lab Number:	2BB-5-41-10, 1D056-21		

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	26.3	105	0.0	27.4	110	27.4	110	0.0

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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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: 4/10/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/10 #1 MS2
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/10 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	27.4	110%	85%-115%
Bromodichloromethane		ND	25	26.5	106%	85%-115%
Bromoform		ND	25	26.8	107%	85%-115%
Bromomethane		ND	25	22.6	90%	85%-115%
Carbon tetrachloride		ND	25	24.6	98%	85%-115%
Chlorobenzene		ND	25	26.1	104%	85%-115%
Chloroethane		ND	25	25.9	103%	85%-115%
Chloroform		ND	25	26.8	107%	85%-115%
Chloromethane		ND	25	25.2	101%	85%-115%
Dibromochloromethane		ND	25	26.6	106%	85%-115%
1,2-Dichlorobenzene		ND	25	27.0	108%	85%-115%
1,3-Dichlorobenzene		ND	25	25.9	104%	85%-115%
1,4-Dichlorobenzene		ND	25	25.2	101%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	27.4	110%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	27.0	108%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	26.4	106%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	28.5	114%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	26.6	106%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	26.1	105%	85%-115%
1,2-Dichloropropane		ND	25	27.4	110%	85%-115%
cis-1,3-Dichloropropene		ND	25	27.2	109%	85%-115%
trans-1,3-Dichloropropene		ND	25	27.0	108%	85%-115%
Ethyl benzene		ND	25	26.3	105%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	28.1	112%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	25.7	103%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	28.8	115%	85%-115%
Tetrachloroethene (PCE)		ND	25	26.0	104%	85%-115%
Toluene		ND	25	26.6	106%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	25.5	102%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	28.6	114%	85%-115%
Trichloroethene (TCE)		ND	25	26.4	106%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	22.6	90%	85%-115%
m,p-Xylenes		ND	50	50.9	102%	85%-115%
o-Xylene		ND	25	26.0	104%	85%-115%
Vinyl chloride (VC)		ND	25	21.3	85%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	103%		102%		
Toluene-d8	50	103%		102%		
4-Bromofluorobenzene	50	96%		100%		

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

Gareth Voigt
Laboratory Director

MAY 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: 4/10/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/10 #2 MS2
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/10 #2	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	26.8	107%	85%-115%
Bromodichloromethane		ND	25	26.2	105%	85%-115%
Bromoform		ND	25	28.8	115%	85%-115%
Bromomethane		ND	25	18.8	75%	85%-115%
Carbon tetrachloride		ND	25	23.6	95%	85%-115%
Chlorobenzene		ND	25	26.1	104%	85%-115%
Chloroethane		ND	25	20.1	80%	85%-115%
Chloroform		ND	25	23.9	96%	85%-115%
Chloromethane		ND	25	20.2	81%	85%-115%
Dibromochloromethane		ND	25	28.5	114%	85%-115%
1,2-Dichlorobenzene		ND	25	27.8	111%	85%-115%
1,3-Dichlorobenzene		ND	25	26.0	104%	85%-115%
1,4-Dichlorobenzene		ND	25	25.5	102%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	24.4	98%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	23.6	94%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	23.7	95%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	25.9	104%	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	24.3	97%	85%-115%
1,2-Dichloropropane		ND	25	25.9	104%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.4	106%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.0	104%	85%-115%
Ethyl benzene		ND	25	25.4	101%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	26.4	106%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	27.0	108%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	26.9	108%	85%-115%
Tetrachloroethene (PCE)		ND	25	28.4	114%	85%-115%
Toluene		ND	25	25.4	102%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	22.1	88%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	28.6	114%	85%-115%
Trichloroethene (TCE)		ND	25	25.6	102%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	19.4	78%	85%-115%
m,p-Xylenes		ND	50	49.8	100%	85%-115%
o-Xylene		ND	25	25.5	102%	85%-115%
Vinyl chloride (VC)		ND	25	19.6	78%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	98%		94%		
Toluene-d8	50	101%		98%		
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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LABORATORY QA/QC REPORT FOR ORGANICS

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

DATE PERFORMED: 4/10/97
BATCH #: 0410-1
LAB SAMPLE ID #: 1D056-21

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	121	97%	125	129	103%	6%	70%-130%	20
Chlorobenzene		ND	125	117	94%	125	130	104%	11%	70%-130%	20
Chloroform		ND	125	117	94%	125	126	101%	7%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	116	93%	125	125	100%	7%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	113	91%	125	123	98%	8%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		15	125	116	81%	125	125	88%	8%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	164	131%	125	186	149%	13%	70%-130%	20
Toluene		ND	125	119	95%	125	128	102%	8%	70%-130%	20
Trichloroethene (TCE)		22	125	127	84%	125	142	96%	11%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	96%		101%			99%				
Toluene-d8	50	100%		102%			102%				
4-Bromofluorobenzene	50	95%		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

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Project No: 974002.00

LABORATORY QA/QC REPORT FOR ORGANICS

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

DATE PERFORMED: 4/10/97
BATCH #: 0410-3
LAB SAMPLE ID #: 1D056-58

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	133	106%	125	123	98%	8%	70%-130%	20
Chlorobenzene		ND	125	135	108%	125	125	100%	8%	70%-130%	20
Chloroform		ND	125	128	103%	125	117	93%	10%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	120	96%	125	110	88%	8%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	134	107%	125	125	100%	7%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	112	90%	125	107	86%	5%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	243	194%	125	226	180%	7%	70%-130%	20
Toluene		ND	125	132	105%	125	122	98%	7%	70%-130%	20
Trichloroethene (TCE)		ND	125	140	112%	125	133	106%	5%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	98%		95%			96%				
Toluene-d8	50	101%		100%			99%				
4-Bromofluorobenzene	50	98%		105%			101%				

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

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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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: 4/10/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/10 #1 MS3
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/10 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	25.5	102%	85%-115%
Bromodichloromethane		ND	25	25.2	101%	85%-115%
Bromoform		ND	25	26.0	104%	85%-115%
Bromomethane		ND	25	20.0	80%	85%-115%
Carbon tetrachloride		ND	25	25.6	102%	85%-115%
Chlorobenzene		ND	25	26.8	107%	85%-115%
Chloroethane		ND	25	23.7	95%	85%-115%
Chloroform		ND	25	25.8	103%	85%-115%
Chloromethane		ND	25	24.6	99%	85%-115%
Dibromochloromethane		ND	25	26.1	104%	85%-115%
1,2-Dichlorobenzene		ND	25	25.5	102%	85%-115%
1,3-Dichlorobenzene		ND	25	25.6	102%	85%-115%
1,4-Dichlorobenzene		ND	25	25.6	102%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	23.7	95%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	25.4	102%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	25.0	100%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	25.5	102%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	25.3	101%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	26.0	104%	85%-115%
1,2-Dichloropropane		ND	25	25.0	100%	85%-115%
cis-1,3-Dichloropropene		ND	25	25.5	102%	85%-115%
trans-1,3-Dichloropropene		ND	25	25.3	101%	85%-115%
Ethyl benzene		ND	25	25.9	104%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	25.2	101%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	25.5	102%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	25.4	102%	85%-115%
Tetrachloroethene (PCE)		ND	25	26.3	105%	85%-115%
Toluene		ND	25	25.7	103%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	25.9	104%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	25.5	102%	85%-115%
Trichloroethene (TCE)		ND	25	25.2	101%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	20.2	81%	85%-115%
m,p-Xylenes		ND	50	53.4	107%	85%-115%
o-Xylene		ND	25	26.9	108%	85%-115%
Vinyl chloride (VC)		ND	25	20.1	80%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	104%		104%		
Toluene-d8	50	103%		103%		
4-Bromofluorobenzene	50	103%		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

Printed on recycled paper.

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QA/QC REPORT FOR ORGANICS

Laboratory Quality Control Check Sample (LCS)

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

DATE PERFORMED: 4/10/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/10 #2 MS3
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/10 #2	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	26.4	106%	85%-115%
Bromodichloromethane		ND	25	26.3	105%	85%-115%
Bromoform		ND	25	26.8	107%	85%-115%
Bromomethane		ND	25	20.7	83%	85%-115%
Carbon tetrachloride		ND	25	26.8	107%	85%-115%
Chlorobenzene		ND	25	27.4	110%	85%-115%
Chloroethane		ND	25	24.2	97%	85%-115%
Chloroform		ND	25	26.9	108%	85%-115%
Chloromethane		ND	25	24.4	98%	85%-115%
Dibromochloromethane		ND	25	27.4	109%	85%-115%
1,2-Dichlorobenzene		ND	25	26.2	105%	85%-115%
1,3-Dichlorobenzene		ND	25	26.4	106%	85%-115%
1,4-Dichlorobenzene		ND	25	26.5	106%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	23.4	94%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	26.7	107%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	26.3	105%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	26.3	105%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	26.6	107%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	26.3	105%	85%-115%
1,2-Dichloropropane		ND	25	26.3	105%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.0	104%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.2	105%	85%-115%
Ethyl benzene		ND	25	26.2	105%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	26.1	104%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	26.3	105%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	26.7	107%	85%-115%
Tetrachloroethene (PCE)		ND	25	27.0	108%	85%-115%
Toluene		ND	25	26.3	105%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	27.1	108%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	26.6	107%	85%-115%
Trichloroethene (TCE)		ND	25	26.2	105%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	20.6	82%	85%-115%
m,p-Xylenes		ND	50	54.0	108%	85%-115%
o-Xylene		ND	25	27.5	110%	85%-115%
Vinyl chloride (VC)		ND	25	20.8	83%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	107%		106%		
Toluene-d8	50	102%		104%		
4-Bromofluorobenzene	50	103%		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

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: 4/10/97
BATCH #: 0410-2
LAB SAMPLE ID #: 1D056-24

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	125	100%	125	126	101%	1%	70%-130%	20
Chlorobenzene		ND	125	128	102%	125	129	103%	0%	70%-130%	20
Chloroform		ND	125	136	109%	125	136	109%	0%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	135	108%	125	137	110%	1%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	130	104%	125	134	107%	3%	70%-130%	20
1,1-Dichloroethene (1,1 DCE)		ND	125	114	91%	125	116	92%	2%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	212	170%	125	218	174%	3%	70%-130%	20
Toluene		ND	125	126	101%	125	127	101%	0%	70%-130%	20
Trichloroethene (TCE)		5.2	125	139	107%	125	143	110%	3%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	107%		107%			106%				
Toluene-d8	50	102%		103%			103%				
4-Bromofluorobenzene	50	102%		100%			102%				

Notes :

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

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QA/QC REPORT FOR ORGANICS

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

DATE PERFORMED: 4/10/97
BATCH #: 0410-4
LAB SAMPLE ID #: 1D056-54

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	112	90%	125	119	96%	6%	70%-130%	20
Chlorobenzene		ND	125	115	92%	125	122	97%	6%	70%-130%	20
Chloroform		ND	125	121	97%	125	129	103%	6%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	119	95%	125	126	101%	5%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	117	94%	125	126	101%	7%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	102	82%	125	109	87%	6%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	138	111%	125	156	125%	12%	70%-130%	20
Toluene		ND	125	113	90%	125	121	97%	7%	70%-130%	20
Trichloroethene (TCE)		ND	125	111	89%	125	119	95%	7%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	108%		109%			109%				
Toluene-d8	50	102%		103%			103%				
4-Bromofluorobenzene	50	100%		101%			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.

Daily Project Report

(To be kept with the daily project data files)

Project: Kennedy/Jenks DAC

Date: 4/10/97

ONSITE Analysts/Technicians: MY, AF, JJ

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

Normal Hours and Overtime Hours Worked:

Normal Hours

Overtime Hours

Reason for Overtime

Sample Volume and Matrix

Samples Received and Matrix 60 soils for 8260 (8010/8020 list) & 418.1

Time Last Samples Received 16:00

Client Issues Raised:

ONSITE Action Plan:

Printed on recycled paper

Analysis Request and C[illegible]n of Custody Record

Lab Job No: _____ _____
Page 1 of _____

ORANGE COAST ANALYTICAL, INC.

3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(602) 736-0960 Fax (602) 736-0970

REQUIRED TAT: _____

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Kennedy / Jenks	PROJECT NAME	DAC
SEND REPORT TO:		NUMBER	974002.00
ADDRESS:		LOCATION:	Bldg 1 Basement
		ADDRESS:	
PHONE:	FAX:	SAMPLED BY:	DMS

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	3010	3020	418.1						REMARKS/PRECAUTIONS
5-27-1	1	4/9/97	1505	Soil	Stainless steel		X	X	X						10056-01
5-27-4	1		1515				X	X	X						02
5-27-10	1		1525				X	X	X						03
5-33-1	1		1555				X	X	X						04
5-33-4	1		1600				X	X	X						05
5-33-10	1		1610				X	X	X						06
5-36-1	1		1625				X	X	X						07
5-36-4	1		1635				X	X	X						08
5-36-10	1		1640				X	X	X						09
5-34-1	1		1700				X	X	X						10
5-34-4	1		1705				X	X	X						11
5-34-10	1		1715				X	X	X						12
5-35-1	1		1730				X	X	X						13
5-35-4	1		1735				X	X	X						14

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Dale M. Sy	4/9/97 2230	[signature]	4/9/97 2230
[signature]	4/10/97	michael [illegible]	4/10/97 8:00

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

Sample Integrity: (check)
intact _____ on ice _____

BOE-C6-0145129

Analysis Request and C[illegible] of Custody Record

Lab Job No: _____ _____
Page 2 of _____

ORANGE COAST ANALYTICAL, INC.

3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(602) 736-0960 Fax (602) 736-0970

REQUIRED TAT: _____

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY	Kennedy / Jenks	PROJECT NAME	DAC
SEND REPORT TO:		NUMBER	974002.00
ADDRESS:		LOCATION	Bldg 1 - Basement
		ADDRESS	
PHONE:	FAX:	SAMPLED BY:	DHS

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	8010	8020	418.1					REMARKS/PRECAUTIONS
5-35-10	1	4/9/97	1745	Soil	Stainless Steel		X	X	X					10056-15
5-40-1	1		1815				X	X	X					16
5-40-4	1		1825				X	X	X					17
5-40-10	1		1830				X	X	X					18
5-41-1	1		1850				X	X	X					19
5-41-4	1		1855				X	X	X					20
5-41-10	1		1905				X	X	X					21
5-42-1	1		1930				X	X	X					22
5-42-4	1		1935				X	X	X					23
5-42-10	1		1940				X	X	X					24
5-43-1	1		2000				X	X	X					25
5-43-4	1		2010				X	X	X					26
5-43-10	1		2020				X	X	X					27
5-39-1	1		2035				X	X	X					28

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Dale M. [illegible]	4/9/97 2230	[illegible]	4/9/97 2230
[illegible]	4/10/97	Michael Jmonty	4/10/97 8:00

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

Sample Integrity: (check)
intact _____ on ice _____

BOE-C6-0145130

Analysis Request and Chain of Custody Record

Lab Job No: _____ _____
Page 3 of _____

ORANGE COAST ANALYTICAL, INC.

3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(602) 736-0960 Fax (602) 736-0970

REQUIRED TAT: _____

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY	Kennedy/Jenks	PROJECT NAME	DAC
SEND REPORT TO:		NUMBER	974002.00
ADDRESS:		LOCATION	Bldg 1 - Basement
		ADDRESS:	
PHONE	FAX:	SAMPLED BY	DMS

ANALYSIS/METHOD REQUEST: 8010, 8020, 418.1

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	8010	8020	418.1						REMARKS/PRECAUTIONS
5-39-4	1	4/9/97	2040	Soil	Stainless Steel		X	X	X						1D056-29
5-39-10	1		2050				X	X	X						30

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Dale M. Sy	4/9/97 2230	[illegible]	4/10/97 2230
Relinquished By:	Date/Time:	Received By:	Date/Time:
[illegible]	4/10/97	Michael Jurosky	4/10/97 8:00
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 _____

BOE-C6-0145131

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:	4-10-97
Page:	1 of
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Time ~~Date~~ Sampled	Date ~~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-1-35-1	0833	4-10-97	Soil	SS	11.00	MY	10056-31				X	X				1	
2BB-1-35-4	0840	"	"	"			32				X	X				1	
2BB-1-35-10	0850	"	"	"			33				X	X				1	
2BB-2-30-1	0930	"	"	"			34				X	X				1	
2BB-2-30-4	0936	"	"	"			35				X	X				1	
2BB-2-30-10	0945	"	"	"			36				X	X				1	
2BB-2-29-1	1004	"	"	"			37				X	X				1	
2BB-2-29-4	1015	"	"	"			38				X	X				1	
2BB-2-29-10	1030	"	"	"			39				X	X				1	
RP																	

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

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

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

BOE-C6-0145132

CHAIN OF CUSTODY RECO AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

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

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

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

Date:	4-10 97
Page:	2 of
Laboratory:	
Lab Number:	

Project Name:	
Project Number:	

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)	5100/8020 by GC/MS	418.1				No. Containers	Remarks
2BB-2-28-1	4-10 97	1045	Soil	SCS	1450	MY	10056-40				X	X				1	
2BB 2-28-4	"	1050	"	"	"		41				X	X				1	
2BB 2-28-10	"	1110	"	"	"		42				X	X				1	
2BB 2-27-1	"	1230	"	"	"		43				X	X				1	
2BB 2-27-4	"	1235	"	"	"		44				X	X				1	
2BB-2-27-10	"	1245	"	"	"		45				X	X				1	
2BB-2-26-1	"	1300	"	"	"		46				X	X				1	
2BB-2-26-4	"	1308	"	"	"		47				X	X				1	
2BB 2-26-10	"	1321	"	"	"		48				X	X				1	
2BB-2-25-1	"	1342	"	"	"		49				X	X				1	
2BB 2-25-4	"	1350	"	"	"		50				X	X				1	
2BB-2-25-10	"	1358	"	"	"		51				X	X				1	

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-C6-0145133

CHAIN OF CUSTODY RECO[illegible]AND ANALYSIS REQUEST

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

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

Date:	4-10-17
Page:	3 of
Laboratory:	
Lab Number:	

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

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

Project Name:	974002.00
Project Number:	DAC

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)	5030/8020 by GC/MS	418.1				No. Containers	Remarks
2BB-2-24-1	4-10-17	1440	Soil	SLS	1600	MY	10056-52				X	X				1	
2BB 2-24-4	"	1445	"	"	"		53				X	X				1	
2BB-2-24-10	"	1453	"	"	"		54				X	X				1	
2BB 2-23-1	"	1506	"	"	"		55				X	X				1	
2BB-2-23-4	"	1510	"	"	"		56				X	X				1	
2BB-2-23-10	"	1517	"	"	"		57				X	X				1	
2BB-2-23-15	"	1520	"	"	"		58				X	X				1	
2BB-2-23 20	"	1525	"	"	"		59				X	X				1	
2BB 2-23-25	"	1533	"	"	"		60				X	X				1	

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

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

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

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