APPENDIX B
Laboratory Analytical Reports

APPENDIX B
ORANGE COAST ANALYTICAL AND ONSITE ENVIRONMENTAL LABORATORIES, INC.
REPORT INDEX

McDonnell Douglas Realty Company
C-6 Facility, Los Angeles, California

Area	Boring No.	Report Nos. Containing Results	Area	Boring No.	Report Nos. Containing Results
1	2BB- 1-1	41	1	2BB- 1-21	1, A
1	2BB- 1-1A	41	1	2BB- 1-22	1, 18, A
1	2BB- 1-2	41	1	2BB- 1-23	25, N
1	2BB- 1-3	12, G	1	2BB- 1-24	25, N
1	2BB- 1-4	21, M	1	2BB- 1-25	25, N
1	2BB- 1-5	21, M	1	2BB- 1-26	25, N
1	2BB- 1-6	21, M	1	2BB- 1-27	9, F
1	2BB- 1-7	12, G	1	2BB- 1-27A	35, Q
1	2BB- 1-8	12, G	1	2BB- 1-27B	35, Q
1	2BB- 1-9	12, G	1	2BB- 1-28	11, E
1	2BB- 1-10	12, G	1	2BB- 1-29	11, E
1	2BB- 1-11	12, G	1	2BB- 1-30	11, F
1	2BB- 1-12	12, G	1	2BB- 1-31	11, F
1	2BB- 1-13	12, G	1	2BB- 1-32	11, F
1	2BB- 1-14	40	1	2BB- 1-33	11, F
1	2BB- 1-15	40	1	2BB- 1-34	12, G
1	2BB- 1-16	40	1	2BB- 1-35	14, H
1	2BB- 1-17	40	1	2BB- 1-36	9, G
1	2BB- 1-18	22, L	1	2BB- 1-37	12, G
1	2BB- 1-19	1, A	1	2BB- 1-38	38
1	2BB- 1-20	1, A			
1A	2BB- 1A-1	25, O	1A	2BB- 1A-10	6, B
1A	2BB- 1A-2	30, O	1A	2BB- 1A-11	6, B
1A	2BB- 1A-3	30, O	1A	2BB- 1A-12	6, B
1A	2BB- 1A-4	30, O	1A	2BB- 1A-13	8, C
1A	2BB- 1A-5	30, O	1A	2BB- 1A-14	8, C
1A	2BB- 1A-5A	29, P	1A	2BB- 1A-15	8, C
1A	2BB- 1A-6	29, P	1A	2BB- 1A-16	8, C
1A	2BB- 1A-7	29, P	1A	2BB- 1A-17	21, M
1A	2BB- 1A-8	6, B	1A	2BB- 1A-18	42
1A	2BB- 1A-9	6, B	1A	2BB- 1A-19	42
2	2BB- 2-1	20, J	2	2BB- 2-19	C+I61ancelled
2	2BB- 2-2	42	2	2BB- 2-20	20, J
2	2BB- 2-3	20, J	2	2BB- 2-21	20, J
2	2BB- 2-4	20, J	2	2BB- 2-22	18, I
2	2BB- 2-5	20, J	2	2BB- 2-23	14, H
2	2BB- 2-6	20, J	2	2BB- 2-24	14, 18, H
2	2BB- 2-7	20, J	2	2BB- 2-25	14, H
2	2BB- 2-8	20, J	2	2BB- 2-26	14, H
2	2BB- 2-9	19, K	2	2BB- 2-27	14, H
2	2BB- 2-10	19, K	2	2BB- 2-28	14, H

APPENDIX B
ORANGE COAST ANALYTICAL AND ONSITE ENVIRONMENTAL LABORATORIES, INC.
REPORT INDEX

McDonnell Douglas Realty Company
C-6 Facility, Los Angeles, California

Area	Boring No.	Report Nos. Containing Results	Area	Boring No.	Report Nos. Containing Results
2	2BB- 2-11	19, 33, K, R	2	2BB- 2-29	14, H
2	2BB- 2-12	19, K	2	2BB- 2-30	14, H
2	2BB- 2-13	19, K	2	2BB- 2-31	18, I
2	2BB- 2-14	19, K	2	2BB- 2-32	18, I
2	2BB- 2-15	19, K	2	2BB- 2-33	18, I
2	2BB- 2-16	19, K	2	2BB- 2-34	18, I
2	2BB- 2-17	19, K	2	2BB- 2-35	20, J
2	2BB- 2-18	19, K			
4	2BB- 4-1	22, L	4	2BB- 4-4	22, L
4	2BB- 4-2	22, L	4	2BB- 4-5	22, L
4	2BB- 4-3	22, L	4	2BB- 4-6	22, L
4	2BB- 4-3A	32, R			
5	2BB- 5-1	Cancelled	5	2BB- 5-25	Cancelled
5	2BB- 5-2	26, N	5	2BB- 5-26	10, G
5	2BB- 5-3	29, P	5	2BB- 5-27	13, H
5	2BB- 5-4	29, P	5	2BB- 5-28	10, G
5	2BB- 5-5	Cancelled	5	2BB- 5-29	10, G
5	2BB- 5-6	26, N	5	2BB- 5-30	15, I
5	2BB- 5-7	26, N	5	2BB- 5-31	10, G
5	2BB- 5-8	28, O	5	2BB- 5-32	10, G
5	2BB- 5-9	28, O	5	2BB- 5-33	13, H
5	2BB- 5-10	35, 41, Q	5	2BB- 5-34	13, H
5	2BB- 5-11	34, P	5	2BB- 5-35	13, H
5	2BB- 5-12	35, 41, Q	5	2BB- 5-36	13, H
5	2BB- 5-13	34, P	5	2BB- 5-37	15, I
5	2BB- 5-14	34, P	5	2BB- 5-38	15, I
5	2BB- 5-15	Cancelled	5	2BB- 5-39	13, H
5	2BB- 5-16	35, Q	5	2BB- 5-40	13, H
5	2BB- 5-17	28, O	5	2BB- 5-41	13, H
5	2BB- 5-18	28, O	5	2BB- 5-42	13, H
5	2BB- 5-19	34, P	5	2BB- 5-43	13, H
5	2BB- 5-20	21, M	5	2BB- 5-44	28, O
5	2BB- 5-21	42	5	2BB- 5-45	28, O
5	2BB- 5-22	42	5	2BB- 5-46	28, J, O
5	2BB- 5-23	16	5	2BB- 5-47	28, O
5	2BB- 5-24	Cancelled	5	2BB- 5-48	28, O
6	2BB- 6-1	31, Q	6	2BB- 6-10	24, M
6	2BB- 6-2	31, Q	6	2BB- 6-11	24, M
6	2BB- 6-3	31, Q	6	2BB- 6-12	24, M

APPENDIX B
ORANGE COAST ANALYTICAL AND ONSITE ENVIRONMENTAL LABORATORIES, INC.
REPORT INDEX

McDonnell Douglas Realty Company
C-6 Facility, Los Angeles, California

Area	Boring No.	Report Nos. Containing Results	Area	Boring No.	Report Nos. Containing Results
6	2BB- 6-4	31, Q	6	2BB- 6-13	24, M
6	2BB- 6-5	36, R	6	2BB- 6-14	26, N
6	2BB- 6-6	36, R	6	2BB- 6-15	26, 36, N
6	2BB- 6-7	Cancelled	6	2BB- 6-16	26, N
6	2BB- 6-8	22, L	6	2BB- 6-17	37, R
6	2BB- 6-9	24, M			
36	2BB- 36-1	4, A	36	2BB- 36-10	17, I
36	2BB- 36-2	A	36	2BB- 36-11	17, J
36	2BB- 36-3	4, A	36	2BB- 36-12	17, I
36	2BB- 36-4	B	36	2BB- 36-13	39, R
36	2BB- 36-5	4, B	36	2BB- 36-14	38
36	2BB- 36-6	4, B	36	2BB- 36-15	Q
36	2BB- 36-7	4, B	36	2BB- 36-16	P
36	2BB- 36-8	7, D	36	2BB- 36-17	R
36	2BB- 36-9	17, I			
SA-NE	2BB- SA-NE-1	8, C	SA-NE	2BB- SA-NE-10	11, E
SA-NE	2BB- SA-NE-2	23, L	SA-NE	2BB- SA-NE-11	5, D
SA-NE	2BB- SA-NE-3	5, D	SA-NE	2BB- SA-NE-12	5, D
SA-NE	2BB- SA-NE-4	5, D	SA-NE	2BB- SA-NE-13	11, E
SA-NE	2BB- SA-NE-5	3, C	SA-NE	2BB- SA-NE-14	11, E
SA-NE	2BB- SA-NE-6	7, D	SA-NE	2BB- SA-NE-15	9, F
SA-NE	2BB- SA-NE-7	7, D	SA-NE	2BB- SA-NE-16	9, F
SA-NE	2BB- SA-NE-8	23, L	SA-NE	2BB- SA-NE-17	R
SA-NE	2BB- SA-NE-9	7, D			
SA-NW	2BB- SA-NW-1	3, C	SA-NW	2BB- SA-NW-8	3, C
SA-NW	2BB- SA-NW-2	2, B	SA-NW	2BB- SA-NW-9	3, C
SA-NW	2BB- SA-NW-3	2, B	SA-NW	2BB- SA-NW-10	3, C
SA-NW	2BB- SA-NW-4	2, B	SA-NW	2BB- SA-NW-11	3, C
SA-NW	2BB- SA-NW-5	3, C	SA-NW	2BB- SA-NW-12	3, C
SA-NW	2BB- SA-NW-6	3, C	SA-NW	2BB- SA-NW-13	FGL
SA-NW	2BB- SA-NW-7	23, L			

G

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/9/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/9/97	**Client:**	Kennedy/Jenks
Report Number:	1D055A RPT	**Project:**	McDonnell Douglas
Lab Number:	1D055	**Units Soil:**	mg/Kg
Date Reported:	4/10/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D055-01	**2BB-1-36-1**	4/9/97	4/9/97	ND	1	Soil
1D055-02	**2BB-1-36-4**	4/9/97	4/9/97	ND	1	Soil
1D055-03	**2BB-1-36-10**	4/9/97	4/9/97	ND	1	Soil
1D055-04	**2BB-5-32-1**	4/9/97	4/9/97	ND	1	Soil
1D055-05	**2BB-5-32-4**	4/9/97	4/9/97	ND	1	Soil
1D055-06	**2BB-5-32-10**	4/9/97	4/9/97	ND	1	Soil
1D055-07	**2BB-5-31-4**	4/9/97	4/9/97	ND	1	Soil
1D055-08	**2BB-5-31-10**	4/9/97	4/9/97	ND	1	Soil
1D055-09	**2BB-5-29-1**	4/9/97	4/9/97	ND	1	Soil
1D055-10	**2BB-5-29-4**	4/9/97	4/9/97	ND	1	Soil
1D055-11	**2BB-5-29-10**	4/9/97	4/9/97	ND	1	Soil
1D055-12	**2BB-5-28-1**	4/9/97	4/9/97	ND	1	Soil
1D055-13	**2BB-5-28-4**	4/9/97	4/9/97	ND	1	Soil
1D055-14	**2BB-5-28-10**	4/9/97	4/9/97	ND	1	Soil
1D055-15	**2BB-5-26-1**	4/9/97	4/9/97	ND	1	Soil
1D055-16	**2BB-5-26-4**	4/9/97	4/9/97	ND	1	Soil
1D055-17	**2BB-5-26-10**	4/9/97	4/9/97	ND	1	Soil
1D055-18	**2BB-1-11-1**	4/9/97	4/9/97	**140**	1	Soil
1D055-19	**2BB-1-11-4**	4/9/97	4/9/97	**110**	1	Soil
1D055-20	**2BB-1-11-10**	4/9/97	4/9/97	ND	1	Soil
1D055-21	**2BB-1-10-1**	4/9/97	4/9/97	**28**	1	Soil
1D055-22	**2BB-1-10-4**	4/9/97	4/9/97	**19**	1	Soil
1D055-23	**2BB-1-10-10**	4/9/97	4/9/97	ND	1	Soil
1D055-24	**2BB-1-9-1**	4/9/97	4/9/97	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
Date Received: 4/9/97
Report Number: 1D055b.RPT
Lab Number: 1D055
Date Reported: 4/10/97

Proj Mgr: Rus Purcell
Client: Kennedy/Jenks
Project: 974002.00
Units Soil: mg/Kg
Units Water: ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D055-25	**2BB-1-9-4**	4/9/97	4/9/97	**160**	1	Soil
1D055-26	**2BB-1-9-10**	4/9/97	4/9/97	ND	1	Soil
1D055-27	**2BB-1-8-1**	4/9/97	4/9/97	**26**	1	Soil
1D055-28	**2BB-1-8-4**	4/9/97	4/9/97	**34**	1	Soil
1D055-29	**2BB-1-8-10**	4/9/97	4/9/97	ND	1	Soil
1D055-30	**2BB-1-7-1**	4/9/97	4/9/97	**80**	1	Soil
1D055-31	**2BB-1-7-5**	4/9/97	4/9/97	ND	1	Soil
1D055-32	**2BB-1-7-10**	4/9/97	4/9/97	**47**	1	Soil
1D055-33	**2BB-1-3-1**	4/9/97	4/9/97	**30**	1	Soil
1D055-34	**2BB-1-3-4**	4/9/97	4/9/97	ND	1	Soil
1D055-35	**2BB-1-3-10**	4/9/97	4/9/97	**12**	1	Soil
1D055-36	**2BB-1-34-1**	4/9/97	4/9/97	**58**	1	Soil
1D055-37	**2BB-1-34-4**	4/9/97	4/9/97	ND	1	Soil
1D055-38	**2BB-1-34-10**	4/9/97	4/9/97	ND	1	Soil
1D055-39	**2BB-1-13-1**	4/9/97	4/9/97	**5900**	100	Soil
1D055-40	**2BB-1-12-1**	4/9/97	4/9/97	**76**	1	Soil
1D055-41	**2BB-1-12-4**	4/9/97	4/9/97	ND	1	Soil
1D055-42	**2BB-1-12-10**	4/9/97	4/9/97	ND	1	Soil
1D055-43	**2BB-1-37-1**	4/9/97	4/9/97	**22**	1	Soil
1D055-44	**2BB-1-37-4**	4/9/97	4/9/97	**128**	1	Soil
1D055-45	**2BB-1-37-10**	4/9/97	4/9/97	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
DL - 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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LABORATORIES, INC.

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

Date Sampled: 4/9/97
Date Received: 4/9/97
Report Number: 1D055E.RPT
Lab Number: 1D055
Date Reported: 4/22/97

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
1D055-18	**2BB-1-11-1**	4/15/97	4/16/97	ND	**88***	87	1	Soil
1D055-19	**2BB-1-11-4**	4/15/97	4/16/97	ND	**61***	100	1	Soil
1D055-21	**2BB-1-10-1**	4/16/97	4/18/97	ND	ND	66	1	Soil
1D055-25	**2BB-1-9-4**	4/16/97	4/18/97	ND	**110**	70	1	Soil
1D055-27	**2BB-1-8-1**	4/16/97	4/18/97	ND	**11**	66	1	Soil
1D055-28	**2BB-1-8-4**	4/16/97	4/17/97	ND	**12**	84	1	Soil
1D055-30	**2BB-1-7-1**	4/16/97	4/17/97	ND	**27**	76	1	Soil
1D055-32	**2BB-1-7-10**	4/16/97	4/17/97	ND	ND	79	1	Soil
1D055-33	**2BB-1-3-1**	4/16/97	4/19/97	ND	ND	83	1	Soil
1D055-36	**2BB-1-34-1**	4/16/97	4/22/97	ND	**43***	99	1	Soil
1D055-39	**2BB-1-13-1**	4/16/97	4/17/97	**1200***	**4400***	68	1	Soil
1D055-40	**2BB-1-12-1**	4/15/97	4/16/97	ND	**65***	86	1	Soil
1D055-44	**2BB-1-37-4**	4/15/97	4/16/97	ND	**250***	84	1	Soil
Reporting Limits SOIL mg/Kg				10	10			

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

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

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

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/9/97	4/9/97	4/9/97	4/9/97	4/9/97	4/9/97	4/9/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D055-01	1D055-02	1D055-03	1D055-04	1D055-05	1D055-06	1D055-07
CLIENT SAMPLE ID : 2BB-			1-36-1	1-36-4	1-36-10	5-32-1	5-32-4	5-32-10	5-31-4
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	6.2	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
Tic: MTBE		-				21 J	7.8 J		
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-110%	106%	109%	108%	153% M	131% M	104%	151% M
Toluene-d8	50	80%-115%	106%	107%	107%	103%	103%	102%	103%
4-Bromofluorobenzene	50	75%-125%	94%	97%	94%	101%	105%	103%	103%

Notes :

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

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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ONSITE
ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/9/97	4/9/97	4/9/97	4/9/97	4/9/97	4/9/97	4/9/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D055-08	1D055-09	1D055-10	1D055-11	1D055-12	1D055-13	1D055-14
		CLIENT SAMPLE ID : 2BB-	5-31-10	5-29-1	5 29-4	5-29-10	5-28 1	5-28-4	5-28-10
		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%-110%	103%	109%	106%	107%	109%	105%	105%
Toluene-d8	50	80%-115%	102%	106%	105%	106%	107%	106%	106%
4-Bromofluorobenzene	50	75%-125%	103%	97%	94%	95%	95%	97%	99%

Notes :

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

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/9/97	4/9/97	4/9/97	4/9/97	4/9/97	4/9/97	4/9/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D055-15	1D055-16	1D055-17	1D055-18	1D055-19	1D055-20	1D055-21
		CLIENT SAMPLE ID : 2BB-	5-26-1	5-26-4	5-26-10	1-11-1	1-11-4	1-11-10	1-10-1
		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	9.2	7.5	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-110%	101%	103%	104%	106%	105%	104%	107%
Toluene-d8	50	80%-115%	101%	102%	104%	107%	105%	104%	105%
4-Bromofluorobenzene	50	75%-125%	101%	101%	103%	95%	93%	102%	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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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/9/97	4/9/97	4/9/97	4/9/97	4/9/97	4/9/97	4/9/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D055-22	1D055-23	1D055-24	1D055-25	1D055-26	1D055-27	1D055-28
		CLIENT SAMPLE ID : 2BB-	1-10-4	1-10-10	1-9-1	1-9-4	1-9-10	1-8-1	1-8-4
		EXTRACTION SOLVENT							
		EXTRACTION METHOD							
		DILUTION FACTOR	1	1	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-110%	107%	105%	102%	105%	106%	106%	108%
Toluene-d8	50	80%-115%	105%	105%	102%	102%	103%	107%	105%
4-Bromofluorobenzene	50	75%-125%	94%	95%	101%	103%	103%	95%	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

Printed on recycled paper.

ONSITE
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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/9/97	4/9/97	4/9/97	4/9/97	4/9/97	4/9/97	4/9/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D055-29	1D055-30	1D055-31	1D055-32	1D055-33	1D055-34	1D055-35
CLIENT SAMPLE ID : 2BB-			1-8-10	1-7-1	1-7-5	1-7-10	1-3-1	1-3-4	1-3-10
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	6.9	5.3	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-110%	108%	105%	104%	105%	105%	107%	108%
Toluene-d8	50	80%-115%	106%	103%	103%	103%	102%	102%	103%
4-Bromofluorobenzene	50	75%-125%	96%	101%	100%	101%	101%	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

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LABORATORIES, INC.

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/9/97	4/9/97	4/9/97	4/9/97	4/9/97	4/9/97	4/9/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A/ 4-9-97	N/A	N/A	N/A
		LAB SAMPLE ID	1D055-36	1D055-37	1D055-38	1D055-39	1D055-40	1D055-41	1D055-42
		CLIENT SAMPLE ID : 2BB-	1-34-1	1-34-4	1-34-10	1-13-1	1-12-1	1-12-4	1-12-10
		EXTRACTION SOLVENT				NA/ MEOH			
		EXTRACTION METHOD				NA/3580			
		DILUTION FACTOR	1	1	1	2 / 500* A	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	**830**	**170**	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	**1900***	**5.6**	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	**490***	**6.4**	ND	ND
Toluene		5	ND	ND	ND	**79**	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	**10**	ND	ND	**210000****	**250**	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	**3700***	ND	ND	ND
o-Xylene		5	ND	ND	ND	**630***	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	**1900000***	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-110%	109%	109%	105%	109% / 98%	104%	104%	103%
Toluene-d8	50	80%-115%	101%	103%	105%	101% / 105	101%	104%	104%
4-Bromofluorobenzene	50	75%-125%	97%	101%	95%	95% / 97%	96%	97%	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
** - Concentration of TCE obtained by running the sample with 2500x dilution

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	4/9/97	4/9/97	4/9/97
		DATE EXTRACTED	N/A	N/A	N/A
		LAB SAMPLE ID	1D055-43	1D055-44	1D055-45
		CLIENT SAMPLE ID : 2BB-	1-37-1	1-37-4	1-37-10
		EXTRACTION SOLVENT			
		EXTRACTION METHOD			
		DILUTION FACTOR	1	1	1
COMPOUND		CRDL			
Benzene		5	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND
Bromoform		5	ND	ND	ND
Bromomethane		5	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND
Chlorobenzene		5	ND	ND	ND
Chloroethane		5	ND	ND	ND
Chloroform		5	ND	ND	ND
Chloromethane		5	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	**19**	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	**6.2**	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND
Ethyl benzene		5	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND
Tetrachloroethene (PCE)		5	**37**	ND	ND
Toluene		5	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	**51**	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND
Trichloroethene (TCE)		5	**530 E**	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND
o-Xylene		5	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC
Dibromofluoromethane	50	75%-110%	118% M	108%	105%
Toluene-d8	50	80%-115%	91%	104%	104%
4-Bromofluorobenzene	50	75%-125%	77%	94%	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
E - Exceeds calibration range
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 0 7 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:	4/9/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/9/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/9/97	**Project:**	974002.00
Date Extracted:	4/9/97	**Matrix:**	Soil
Report Number:	0409c.QAC	**Units:**	mg/Kg
Lab Number:	2BB-1-12-10, 1D055-42		

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	37.5	150	28.1	112	28.7

DEFINITION OF TERMS:

D - Analytes not detected at, or above the reporting limit
- 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:	4/9/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/9/97	**Project:**	974002.00
Date Extracted:	4/9/97	**Matrix:**	Soil
Report Number:	0409b.QAC	**Units:**	mg/Kg
Lab Number:	2BB-1-7-10, 1D055-32		

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	46.5	65.2	75	54.1	30	18.6

DEFINITION OF TERMS:

ND - Analytes not detected at, or above the reporting limit
S - Matrix Spike
SD - 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:	4/9/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/9/97	**Project:**	974002.00
Date Extracted:	4/9/97	**Matrix:**	Soil
Report Number:	0409a.QAC	**Units:**	mg/Kg
Lab Number:	2BB-1-11-10, 1D055-20		

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	26.0	104	0.0	25.6	102	26.3	105	2.7

DEFINITION OF TERMS:

ND - Analytes not detected at or above the reporting limit
S - 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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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: 4/9/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/9 #1 MS2
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/9 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	27.6	110%	85%-115%
Bromodichloromethane		ND	25	27.0	108%	85%-115%
Bromoform		ND	25	25.6	103%	85%-115%
Bromomethane		ND	25	24.0	96%	85%-115%
Carbon tetrachloride		ND	25	25.9	104%	85%-115%
Chlorobenzene		ND	25	25.7	103%	85%-115%
Chloroethane		ND	25	26.8	107%	85%-115%
Chloroform		ND	25	27.6	110%	85%-115%
Chloromethane		ND	25	27.5	110%	85%-115%
Dibromochloromethane		ND	25	26.1	104%	85%-115%
1,2-Dichlorobenzene		ND	25	26.6	106%	85%-115%
1,3-Dichlorobenzene		ND	25	25.8	103%	85%-115%
1,4-Dichlorobenzene		ND	25	25.2	101%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	28.5	114%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	28.4	114%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	28.2	113%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	28.4	114%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	27.4	110%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	27.5	110%	85%-115%
1,2-Dichloropropane		ND	25	27.9	112%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.9	108%	85%-115%
trans-1,3-Dichloropropene		ND	25	27.3	109%	85%-115%
Ethyl benzene		ND	25	25.9	103%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	28.5	114%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	25.1	100%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	28.7	115%	85%-115%
Tetrachloroethene (PCE)		ND	25	24.7	99%	85%-115%
Toluene		ND	25	26.9	108%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	26.6	106%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	28.1	112%	85%-115%
Trichloroethene (TCE)		ND	25	27.4	110%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	24.7	99%	85%-115%
m,p-Xylenes		ND	50	50.4	101%	85%-115%
o-Xylene		ND	25	25.3	101%	85%-115%
Vinyl chloride (VC)		ND	25	24.4	98%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	104%		104%		
Toluene-d8	50	104%		106%		
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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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: 4/2/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/9 #2 MS2
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/9 #2	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	26.7	107%	85%-115%
Bromodichloromethane		ND	25	26.5	106%	85%-115%
Bromoform		ND	25	25.9	104%	85%-115%
Bromomethane		ND	25	23.3	93%	85%-115%
Carbon tetrachloride		ND	25	24.8	99%	85%-115%
Chlorobenzene		ND	25	25.4	102%	85%-115%
Chloroethane		ND	25	25.8	103%	85%-115%
Chloroform		ND	25	27.0	108%	85%-115%
Chloromethane		ND	25	26.0	104%	85%-115%
Dibromochloromethane		ND	25	25.7	103%	85%-115%
1,2-Dichlorobenzene		ND	25	26.5	106%	85%-115%
1,3-Dichlorobenzene		ND	25	25.5	102%	85%-115%
1,4-Dichlorobenzene		ND	25	25.3	101%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	26.7	107%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	27.1	108%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	27.0	108%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	28.3	113%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	26.6	106%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	26.3	105%	85%-115%
1,2-Dichloropropane		ND	25	26.9	107%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.4	106%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.4	106%	85%-115%
Ethyl benzene		ND	25	25.6	102%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	27.2	109%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	25.0	100%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	27.7	111%	85%-115%
Tetrachloroethene (PCE)		ND	25	24.9	100%	85%-115%
Toluene		ND	25	25.9	104%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	25.4	102%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	27.8	111%	85%-115%
Trichloroethene (TCE)		ND	25	26.4	105%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	23.2	93%	85%-115%
m,p-Xylenes		ND	50	50.2	100%	85%-115%
o-Xylene		ND	25	25.3	101%	85%-115%
Vinyl chloride (VC)		ND	25	23.0	92%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	100%		103%		
Toluene-d8	50	103%		103%		
4-Bromofluorobenzene	50	97%		101%		

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

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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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: 4/9/97
BATCH #: 0409-1
LAB SAMPLE ID #: 1D055-14

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	130	104%	125	131	105%	0%	70%-130%	20
Chlorobenzene		ND	125	126	101%	125	127	102%	1%	70%-130%	20
Chloroform		ND	125	134	107%	125	134	107%	0%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	137	110%	125	137	110%	0%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	136	109%	125	128	102%	6%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	124	99%	125	124	99%	0%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	170	136%	125	207	165%	19%	70%-130%	20
Toluene		ND	125	131	105%	125	132	105%	1%	70%-130%	20
Trichloroethene (TCE)		ND	125	130	104%	125	136	109%	5%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	105%		105%			104%				
Toluene-d8	50	106%		107%			106%				
4-Bromofluorobenzene	50	99%		101%			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

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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: 4/9/97
BATCH #: 0409-3
LAB SAMPLE ID #: 1D055-42

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	124	100%	125	130	104%	5%	70%-130%	20
Chlorobenzene		ND	125	118	94%	125	123	98%	4%	70%-130%	20
Chloroform		ND	125	126	101%	125	131	105%	4%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	129	103%	125	132	105%	2%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	134	107%	125	141	113%	6%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	120	96%	125	123	98%	2%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	195	156%	125	206	165%	5%	70%-130%	20
Toluene		ND	125	124	100%	125	130	104%	4%	70%-130%	20
Trichloroethene (TCE)		ND	125	132	106%	125	140	112%	6%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	103%		103%			103%				
Toluene-d8	50	104%		105%			105%				
4-Bromofluorobenzene	50	96%		98%			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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LABORATORIES, INC.

Project No: 974002.00

LABORATORY QA/QC REPORT FOR ORGANICS

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

DATE PERFORMED: 4/9/97
BATCH #: 0409-2
LAB SAMPLE ID #: 1D055-17

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	131	105%	125	125	100%	5%	70%-130%	20
Chlorobenzene		ND	125	136	109%	125	131	105%	3%	70%-130%	20
Chloroform		ND	125	139	111%	125	133	106%	5%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	136	109%	125	131	105%	4%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	133	106%	125	128	102%	4%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	120	96%	125	113	91%	6%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	143	115%	125	136	109%	5%	70%-130%	20
Toluene		ND	125	133	107%	125	127	101%	5%	70%-130%	20
Trichloroethene (TCE)		7.5	125	134	101%	125	127	95%	5%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	104%		106%			108%				
Toluene-d8	50	104%		102%			104%				
4-Bromofluorobenzene	50	103%		102%			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
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

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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: 4/9/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/9 #1 MS3
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/9 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	25.9	104%	85%-115%
Bromodichloromethane		ND	25	25.9	104%	85%-115%
Bromoform		ND	25	26.2	105%	85%-115%
Bromomethane		ND	25	20.4	82%	85%-115%
Carbon tetrachloride		ND	25	25.7	103%	85%-115%
Chlorobenzene		ND	25	26.8	107%	85%-115%
Chloroethane		ND	25	24.4	97%	85%-115%
Chloroform		ND	25	26.2	105%	85%-115%
Chloromethane		ND	25	25.3	101%	85%-115%
Dibromochloromethane		ND	25	26.1	105%	85%-115%
1,2-Dichlorobenzene		ND	25	25.5	102%	85%-115%
1,3-Dichlorobenzene		ND	25	25.9	104%	85%-115%
1,4-Dichlorobenzene		ND	25	26.0	104%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	24.0	96%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	26.0	104%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	25.2	101%	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	26.0	104%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	26.2	105%	85%-115%
1,2-Dichloropropane		ND	25	25.6	102%	85%-115%
cis-1,3-Dichloropropene		ND	25	25.8	103%	85%-115%
trans-1,3-Dichloropropene		ND	25	25.6	102%	85%-115%
Ethyl benzene		ND	25	26.1	105%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	25.5	102%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	25.5	102%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	26.5	106%	85%-115%
Tetrachloroethene (PCE)		ND	25	26.5	106%	85%-115%
Toluene		ND	25	25.6	102%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	25.7	103%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	26.2	105%	85%-115%
Trichloroethene (TCE)		ND	25	25.7	103%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	22.0	88%	85%-115%
m,p-Xylenes		ND	50	52.9	106%	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%		105%		
Toluene-d8	50	102%		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.

Daily Project Report

(To be kept with the daily project data files)

Project: Kennedy / Jenks DAC

Date: 4/9/97

ONSITE Analysts/Technicians: MY, NW, AF, JS

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

Normal Hours and Overtime Hours Worked:

Normal Hours 10

Overtime Hours 2

Reason for Overtime

Sample Volume and Matrix

Samples Received and Matrix 45 soils for 8260 (8010/8020 list) & 418.1

Time Last Samples Received 16 05

Client Issues Raised:

ONSITE Action Plan:

Printed on recycled paper.

CHAIN OF CUSTODY REC[illegible]D 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:	4-9-97
Page:	1 of
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	Solvents by GC/MS	Pb				No. Containers	Remarks
2BB-1-11-1	4-9-97	0827	Soil	SS	900	MY	1D055-18				X	X				1	
2BB-1-11-4	"	0832	"	"	"	↓	19				X	X				1	
2BB-1-11-10	"	0840	"	"	"	↓	20				X	X				1	
2BB-1-36-1	4-8-97		"	JK		↓	01				X	X				1	
2BB-1-36-4	"		"	"		↓	02				X	X				1	
2BB-1-36-10	"		"	"		↓	03				X	X				1	
							~~21~~										

Initials:	Printed Name:	Signature:		
SS	Shane Scrimshic	[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-C6-0106150

CHAIN OF CUSTODY REC `D AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 9-.038 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	Rus Purcell
Client Name:	OAC
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:	4-8-97
Page:	1 of 1
Laboratory:	
Lab Number:	

Project Name:	OAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	5000/5030 by GC/MS	418.1				No. Containers	Remarks
5-32-1	4-8-97	1740	soil	SS	0507	MY MB	10055-04				X	X				1	
5-32-4	"	1745	"	"	"	"	05				X	X				1	
5-32-10	"	1755	"	"	"	"	06				X	X				1	
5-31-4	"	1880	"	"	"	"	07				X	X				1	
5-31-10	"	1900	"	"	"	"	08				X	X				1	
5-29-1	"	1935	"	"	"	"	09				X	X				1	
5-29-4	"	1950	"	"	"	"	10				X	X				1	
5-29-10	"	1955	"	"	"	"	11				X	X				1	
5-28-1	"	2030	"	"	"	"	12				X	X				1	
5-28-4	"	2035	"	"	"	"	13				X	X				1	
5-28-10	"	2045	"	"	"	"	14				X	X				1	
5-26-1	"	2110	"	"	"	"	15				X	X				1	
5-26-4	"	2115	"	"	"	"	16				X	X				1	
5-26-10	"	2125	"	"	"	"	17				X	X				1	

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-C6-0106151

CHAIN OF CUSTODY REC[illegible]D AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

[redacted]

5500 Boscell Common Fremont, CA 9[illegible]8 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	Rus Purcell
Client Name:	Kennedy / Jenks
Address:	2151 Michelson, Ste. 100
City, State ZIP	Irvine, CA 92612
Phone:	714-261-1577
Fax:	261-2134

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	4-9-97
Page:	1 of 2
Laboratory:	
Lab Number:	

Project Name:	Douglas Aircraft
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8010/8020	418.1				No. Containers	Remarks
~~2BB-1-4-1~~																	
~~2BB-1-11-4~~ JK																	
~~2BB-1-11-10~~																	
2BB-1-10-1	4-9-97	0905	Soil	JK	1355	MY	1D055-21				X	X				1	
2BB-1-10-4		0909					22				X	X				1	
2BB-1-10-10		0917					23				X	X				1	
2BB-1-9-1		0947					24				X	X				1	
2BB-1-9-4		0951					25				X	X				1	
2BB-1-9-10		1000					26				X	X				1	
2BB-1-8-1		1028					27				X	X				1	
2BB-1-8-4		1032					28				X	X				1	
2BB-1-8-10		1040					29				X	X				1	
2BB-1-7-1		1111					30				X	X				1	
2BB-1-7-5		1115					31				X	X				1	

Initials:	Printed Name:	Signature:		
JK	Jay Knight	[signature]	Date:	4-9-97
MY	Michael Yimoky	[signature]	Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

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

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

BOE-C6-0106152

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 9[illegible] Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	Rus Purcell
Client Name:	Kennedy / Jenks
Address:	2151 Michelson Dr, Ste. 100
City, State ZIP	Irvine, CA 92612
Phone:	714-261-1577
Fax:	261-2134

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	4-9-97
Page:	2 of 2
Laboratory:	
Lab Number:	

Project Name:	Douglas Aircraft
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	418.1	8010/8020				No. Containers	Remarks
2BB-1-7-10	4-9-97	1122	soil	JK	1325	MY	10055-32				X	X				1	
2BB-1-3-1		1305					33				X	X				1	
2BB-1-3-4		1312					34				X	X				1	
2BB-1-3-10		1320					35				X	X				1	
2BB-1-34-1		1415			1605		36				X	X				1	
2BB-1-34-4		1429					37				X	X				1	
2BB-1-34-10		1440					38				X	X				1	
2BB-1-13-1		1445					39				X	X				1	Strong odor *
2BB-1-12-1		1458					40				X	X				1	
2BB-1-12-4		1502					41				X	X				1	
2BB-1-12-10		1509					42				X	X				1	
2BB-1-37-1		1520					43				X	X				1	
2BB-1-37-4		1524					44				X	X				1	
2BB-1-37-10		1536					45				X	X				1	

Initials:	Printed Name:	Signature:		
JK	Jay Knight	Jay Knight	Date:	4-9-97
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-C6-0106153

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

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

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

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

Printed on recycled paper.

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

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) 490-8571

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/10/97	**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

Printed on recycled paper.

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

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

Date Sampled:	4/10/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/10/97	**Client:**	Kennedy/Jenks
Report Number:	1D056E.RPT	**Project:**	974002.00
Lab Number:	1D056	**Units Soil:**	mg/Kg
Date Reported:	4/21/97		

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TPH-E Diesel	TPH-E Motor Oil	TPH-E Sur. %	TPH-E DF	Matrix
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**	**59**	**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 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			1D056-08	1D056-09	1D056-10	1D056-11	1DC56-12	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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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 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	1D056-22	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

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	1DC56-33	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 :

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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ENVIRONMENTAL LABORATORIES, INC.

[redacted]

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
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	1D056-43	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%	93%	99%	97%

Notes :

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

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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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	1D056-50	1D056-51	1D056-52	1D056-53	1DC56-54	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-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 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
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:

D - Analytes not detected at, or above the reporting limit
- Matrix Spike
SD - 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
S - 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:

'D - Analytes not detected at, or above the reporting limit
- Matrix Spike
.SD - 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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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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[redacted]

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 0 7 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	13[illegible]%	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 0 7 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 #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

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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: 4/10/97
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

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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 #: 0410-4
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	11[illegible]%	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

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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 Chain of Custody Record

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

Lab Job No: _____
Page 1 of _____

REQUIRED TAT: _____

CUSTOMER INFORMATION

COMPANY: Kennedy / Jenks
SEND REPORT TO:
ADDRESS:
PHONE: FAX:

PROJECT INFORMATION

PROJECT NAME: DAC
NUMBER: 974002.00
LOCATION: Bldg 1 Basement
ADDRESS:
SAMPLED BY: DMS

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	9010	9020	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 Jmonsky	4/10/97 8:00

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

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.

Analysis Request and Chain of Custody Record

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

Lab Job No: _____
Page 2 of _____

REQUIRED TAT: _____

CUSTOMER INFORMATION

COMPANY: Kennedy / Jenks
SEND REPORT TO:
ADDRESS:
PHONE: FAX:

PROJECT INFORMATION

PROJECT NAME: DAC
NUMBER: 974002.00
LOCATION: Bldg 1 - Basement
ADDRESS:
SAMPLED BY: DMS

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 _____

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.

Analysis Request and Chain of Custody Record

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

Lab Job No: _____
Page 3 of _____

REQUIRED TAT: _____

CUSTOMER INFORMATION

COMPANY: Kennedy/Jenks
SEND REPORT TO:
ADDRESS:
PHONE: FAX:

PROJECT INFORMATION

PROJECT NAME: DAC
NUMBER: 974002.00
LOCATION: Bldg 1 - Basement
ADDRESS:
SAMPLED BY: DHS

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	[signature]	4/10/97 2230
[signature]	4/10/97	Michael Jurovsky	4/10/97 8:00

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.

CHAIN OF CUSTODY REC^^D AND ANALYSIS REQUEST

5500 Boscell Common Fremont, CA ; 8 Tel. (510) 490-8571 Fax. (510) 490-8572

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

[redacted]

Date:	4-10-97
Page:	1 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:	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	1009	"	"	"			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-C6-0106184

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA . 8 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)	8020/8020 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-C6-0106185

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

5500 Boscell Common Fremont, CA 9[illegible]8 Tel. (510) 490-8571 Fax. (510) 490-8572

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

[redacted]

Date:	4-10-97
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)	8020/8020 by GC/MS	418.1				No. Containers	Remarks
2BB-2-24-1	4-10-97	1440	Soil	SS	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:		
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-C6-0106186

I

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/10/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/11/97	**Client:**	Kennedy/Jenks
Report Number:	1D057A.RPT	**Project:**	974002.00
Lab Number:	1D057	**Units Soil:**	mg/Kg
Date Reported:	4/14/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D057-01	**2BB-5-38-1**	4/11/97	4/11/97	ND	1	Soil
1D057-02	**2BB-5-38-4**	4/11/97	4/11/97	ND	1	Soil
1D057-03	**2BB-5-38-10**	4/11/97	4/11/97	ND	1	Soil
1D057-04	**2BB-5-37-1**	4/11/97	4/11/97	ND	1	Soil
1D057-05	**2BB-5-37-4**	4/11/97	4/11/97	ND	1	Soil
1D057-06	**2BB-5-37-10**	4/11/97	4/11/97	ND	1	Soil
1D057-07	**2BB-5-30-1**	4/11/97	4/11/97	ND	1	Soil
1D057-08	**2BB-5-30-4**	4/11/97	4/11/97	ND	1	Soil
1D057-09	**2BB-5-30-10**	4/11/97	4/11/97	ND	1	Soil
1D057-10	**2BB-36-9-1**	4/11/97	4/11/97	ND	1	Soil
1D057-11	**2BB-36-9-4**	4/11/97	4/11/97	ND	1	Soil
1D057-12	**2BB-36-9-10**	4/11/97	4/11/97	ND	1	Soil
1D057-13	**2BB-36-9-15**	4/11/97	4/11/97	ND	1	Soil
1D057-14	**2BB-36-9-20**	4/11/97	4/11/97	ND	1	Soil
1D057-15	**2BB-36-9-25**	4/11/97	4/11/97	ND	1	Soil
1D057-16	**2BB-36-10-1**	4/11/97	4/11/97	ND	1	Soil
1D057-17	**2BB-36-10-4**	4/11/97	4/11/97	ND	1	Soil
1D057-18	**2BB-36-10-10**	4/11/97	4/11/97	**36**	1	Soil
1D057-19	**2BB-36-10-15**	4/11/97	4/11/97	ND	1	Soil
1D057-20	**2BB-36-10-20**	4/11/97	4/11/97	ND	1	Soil
1D057-21	**2BB-36-10-25**	4/11/97	4/11/97	ND	1	Soil
1D057-22	**2BB-36-12-1**	4/11/97	4/11/97	ND	1	Soil
1D057-23	**2BB-36-12-4**	4/11/97	4/11/97	ND	1	Soil
1D057-24	**2BB-36-12-10**	4/11/97	4/11/97	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 06 1997
Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/10/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/11/97	**Client:**	Kennedy/Jenks
Report Number:	1D057B.RPT	**Project:**	974002.00
Lab Number:	1D057	**Units Soil:**	mg/Kg
Date Reported:	4/14/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D057-25	**2BB-36-12-15**	4/11/97	4/11/97	ND	1	Soil
1D057-26	**2BB-36-12-20**	4/11/97	4/11/97	ND	1	Soil
1D057-27	**2BB-36-12-25**	4/11/97	4/11/97	ND	1	Soil

Reporting Limits SOIL mg/Kg	10

NOTES:
- Not requested
- 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 06 1997
Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/11/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/11/97	**Client:**	Kennedy/Jenks
Report Number:	1D057C.RPT	**Project:**	974002.00
Lab Number:	1D057	**Units Soil:**	mg/Kg
Date Reported:	4/14/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D057-28	**2BB-2-22-1**	4/11/97	4/11/97	**57**	1	Soil
1D057-29	**2BB-2-22-4**	4/11/97	4/11/97	**40**	1	Soil
1D057-30	**2BB-2-22-10**	4/11/97	4/11/97	ND	1	Soil
1D057-31	**2BB-2-22-15**	4/11/97	4/11/97	ND	1	Soil
1D057-32	**2BB-2-22-20**	4/11/97	4/11/97	ND	1	Soil
1D057-33	**2BB-2-22-25**	4/11/97	4/11/97	ND	1	Soil
1D057-34	**2BB-2-31-1**	4/11/97	4/11/97	**11**	1	Soil
1D057-35	**2BB-2-31-4**	4/11/97	4/11/97	ND	1	Soil
1D057-36	**2BB-2-31-10**	4/11/97	4/11/97	ND	1	Soil
1D057-37	**2BB-2-31-15**	4/11/97	4/11/97	ND	1	Soil
1D057-38	**2BB-2-31-20**	4/11/97	4/11/97	ND	1	Soil
1D057-39	**2BB-2-31-25**	4/11/97	4/11/97	ND	1	Soil
1D057-40	**2BB-2-32-1**	4/11/97	4/11/97	**11**	1	Soil
1D057-41	**2BB-2-32-4**	4/11/97	4/11/97	ND	1	Soil
1D057-42	**2BB-2-32-10**	4/11/97	4/11/97	ND	1	Soil
1D057-43	**2BB-2-32-15**	4/11/97	4/11/97	ND	1	Soil
1D057-44	**2BB-2-32-20**	4/11/97	4/11/97	ND	1	Soil
1D057-45	**2BB-2-32-25**	4/11/97	4/11/97	**11**	1	Soil
1D057-46	**2BB-2-33-1**	4/11/97	4/11/97	ND	1	Soil
1D057-47	**2BB-2-33-4**	4/11/97	4/11/97	ND	1	Soil
1D057-48	**2BB-2-33-10**	4/11/97	4/11/97	ND	1	Soil
1D057-49	**2BB-2-33-15**	4/11/97	4/11/97	ND	1	Soil
1D057-50	**2BB-2-33-20**	4/11/97	4/11/97	ND	1	Soil
1D057-51	**2BB-2-33-25**	4/11/97	4/11/97	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
DL - Dilution Factor

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

CERTIFICATION:
California Department of Health Services ELAP
Onsite Environmental Laboratories, 5800 Boswell Common, Fremont, CA 94538 (510) 490-8571

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/11/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/11/97	**Client:**	Kennedy/Jenks
Report Number:	1D057D.RPT	**Project:**	974002.00
Lab Number:	1D057	**Units Soil:**	mg/Kg
Date Reported:	4/14/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D057-52	**2BB-2-34-1**	4/11/97	4/11/97	**24**	1	Soil
1D057-53	**2BB-2-34-4**	4/11/97	4/11/97	ND	1	Soil
1D057-54	**2BB-2-34-10**	4/11/97	4/11/97	ND	1	Soil
1D057-55	**2BB-2-34-15**	4/11/97	4/11/97	ND	1	Soil
1D057-56	**2BB-2-34-20**	4/11/97	4/11/97	ND	1	Soil
1D057-57	**2BB-2-34-25**	4/11/97	4/11/97	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 06 1997

Date

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

Date Sampled:	4/11/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/11/97	**Client:**	Kennedy/Jenks
Report Number:	1D057E.RPT	**Project:**	McDonnell Douglas
Lab Number:	1D057	**Units Soil:**	mg/Kg
Date Reported:	4/21/97		

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TPH-E Diesel	TPH-E Motor Oil	TPH-E Sur. %	TPH-E DF	Matrix
1D057-18	**2BB-36-10-10**	4/16/97	4/18/97	ND	ND	81	1	Soil
1D057-28	**2BB-2-22-1**	4/16/97	4/18/97	ND	ND	78	1	Soil
1D057-29	**2BB-2-22-4**	4/16/97	4/18/97	ND	ND	78	1	Soil
Reporting Limits SOIL mg/Kg				10	10			

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

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

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

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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ONSITE
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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/11/97	4/11/97	4/11/97	4/11/97	4/11/97	4/11/97	4/11/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D057-01	1D057-02	1D057-03	1D057-04	1D057-05	1D057-06	1D057-07
CLIENT SAMPLE ID : 2BB-			5-38-1	5-38-4	5-38-10	5-37-1	5-37-4	5-37-10	5-30-1
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	**11**	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	**8.3**	**6.1**	ND	**26**	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-110%	95%	94%	92%	104%	106%	104%	101%
Toluene-d8	50	80%-115%	100%	99%	102%	104%	103%	103%	100%
4-Bromofluorobenzene	50	75%-125%	97%	98%	95%	103%	104%	103%	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 06 1997
Date

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ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/11/97	4/11/97	4/11/97	4/11/97	4/11/97	4/11/97	4/11/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D057-08	1D057-09	1D057-10	1D057-11	1D057-12	1D057-13	1D057-14
CLIENT SAMPLE ID : 2BB-			5-30-4	5-30-10	36-9-1	36-9-4	36-9-10	36-9-15	36-9-20
EXTRACTION SOLVENT									
EXTRACTION METHOD									
DILUTION FACTOR			1	1	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND	**13**
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	**5.7**	**39**	**14**	**51**	**11**	**100**
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	**10**
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	**8.1**	**16**	**79**	**51**	**110**	**45**	**260 E**
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-110%	96%	96%	103%	105%	105%	107%	108%
Toluene-d8	50	80%-115%	101%	102%	103%	103%	103%	103%	104%
4-Bromofluorobenzene	50	75%-125%	99%	95%	103%	102%	103%	104%	105%

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
E- Exceeds calibration range
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/11/97	4/11/97	4/11/97	4/11/97	4/11/97	4/11/97	4/11/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D057-15	1D057-16	1D057-17	1D057-18	1D057-19	1D057-20	1D057-21
CLIENT SAMPLE ID : 2BB-			36-9-25	36-10-1	36-10-4	36-10-10	36-10-15	36-10-20	36-10-25
EXTRACTION SOLVENT									
EXTRACTION METHOD									
DILUTION FACTOR			1	1	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	**23**	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	**250**	**16**	ND	**79**	**6.6**	**39**	**19**
cis-1,2-Dichloroethene (c-1,2-DCE)		5	**8.2**	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	**26**	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	**480 E**	**110**	**16**	**170**	**21**	**100**	**69**
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-110%	108%	91%	95%	95%	95%	92%	97%
Toluene-d8	50	80%-115%	101%	99%	97%	100%	100%	99%	101%
4-Bromofluorobenzene	50	75%-125%	104%	97%	95%	96%	96%	98%	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
E- Exceeds calibration range
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 06 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			4/11/97	4/11/97	4/11/97	4/11/97	4/11/97	4/11/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D057-22	1D057-23	1D057-24	1D057-25	1D057-26	1D057-27
CLIENT SAMPLE ID : 2BB-			36-12-1	36-12-4	36-12-10	36-12-15	36-12-20	36-12-25
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	**9.0**	**5.7**	ND	**190**	**100**	**35**
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	**46**	**27**	ND	**150**	**140**	**71**
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-110%	94%	96%	97%	105%	108%	108%
Toluene-d8	50	80%-115%	97%	100%	100%	102%	103%	102%
4-Bromofluorobenzene	50	75%-125%	94%	94%	95%	102%	103%	102%

Notes :

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

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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ONSITE
ENVIRONMENTAL
LABORATORIES, INC.
[redacted]

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/11/97	4/11/97	4/11/97	4/11/97	4/11/97	4/11/97	4/11/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D057-28	1D057-29	1D057-30	1D057-31	1D057-32	1D057-33	1D057-34
CLIENT SAMPLE ID : 2BB-			2-22-1	2-22-4	2-22-10	2-22-15	2-22-20	2-22-25	2-31-1
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%-110%	93%	95%	95%	94%	97%	95%	108%
Toluene-d8	50	80%-115%	102%	99%	102%	99%	98%	101%	102%
4-Bromofluorobenzene	50	75%-125%	96%	95%	94%	97%	94%	96%	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 06 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/11/97	4/11/97	4/11/97	4/11/97	4/11/97	4/11/97	4/11/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D057-35	1D057-36	1D057-37	1D057-38	1D057-39	1D057-40	1D057-41
CLIENT SAMPLE ID : 2BB-			2-31-4	2-31-10	2-31-15	2-31-20	2-31-25	2-32-1	2-32-4
EXTRACTION SOLVENT									
EXTRACTION METHOD									
DILUTION FACTOR			1	1	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-110%	108%	107%	108%	108%	110%	94%	98%
Toluene-d8	50	80%-115%	103%	103%	103%	103%	102%	101%	102%
4-Bromofluorobenzene	50	75%-125%	102%	101%	102%	101%	102%	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 06 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/11/97	4/11/97	4/11/97	4/11/97	4/11/97	4/11/97	4/11/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D057-42	1D057-43	1D057-44	1D057-45	1D057-46	1D057-47	1D057-48
		CLIENT SAMPLE ID : 2BB-	2-32-10	2-32-15	2-32-20	2-32-25	2-33-1	2-33-4	2-33-10
		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%-110%	110%	110%	91%	94%	93%	95%	95%
Toluene-d8	50	80%-115%	102%	102%	98%	99%	98%	98%	98%
4-Bromofluorobenzene	50	75%-125%	100%	102%	93%	96%	93%	95%	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 06 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/11/97	4/11/97	4/11/97	4/11/97	4/11/97	4/11/97	4/11/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D057-49	1D057-50	1D057-51	1D057-52	1D057-53	1D057-54	1D057-55
CLIENT SAMPLE ID : 2BB-			2-33-15	2-33-20	2-33-25	2-34-1	2-34-4	2-34-10	2-34-15
EXTRACTION SOLVENT									
EXTRACTION METHOD									
DILUTION FACTOR			1	1	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	**6.3**
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	**6.7**
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	**5.1**
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-110%	96%	96%	106%	116%	109%	108%	105%
Toluene-d8	50	80%-115%	100%	100%	103%	100%	102%	103%	104%
4-Bromofluorobenzene	50	75%-125%	96%	98%	102%	95%	100%	104%	103%

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

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

Project No: 974002.00

METHOD : EPA 8260

REPORTING UNITS : µg/Kg

		DATE ANALYZED	4/11/97	4/11/97
		DATE EXTRACTED	N/A	N/A
		LAB SAMPLE ID	1D057-56	1D057-57
		CLIENT SAMPLE ID : 2BB-	2-34-20	2-34-25
		EXTRACTION SOLVENT		
		EXTRACTION METHOD		
		DILUTION FACTOR	1	1
COMPOUND		CRDL		
Benzene		5	ND	ND
Bromodichloromethane		5	ND	ND
Bromoform		5	ND	ND
Bromomethane		5	ND	ND
Carbon tetrachloride		5	ND	ND
Chlorobenzene		5	ND	ND
Chloroethane		5	ND	ND
Chloroform		5	ND	ND
Chloromethane		5	ND	ND
Dibromochloromethane		5	ND	ND
1,2-Dichlorobenzene		5	ND	ND
1,3-Dichlorobenzene		5	ND	ND
1,4-Dichlorobenzene		5	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND
1,2-Dichloropropane		5	ND	ND
cis-1,3-Dichloropropene		5	ND	ND
trans-1,3-Dichloropropene		5	ND	ND
Ethyl benzene		5	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND
Tetrachloroethene (PCE)		5	ND	ND
Toluene		5	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND
Trichloroethene (TCE)		5	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND
m,p-Xylenes		5	ND	ND
o-Xylene		5	ND	ND
Vinyl chloride (VC)		5	ND	ND
TPH as gasoline		1000	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC
Dibromofluoromethane	50	75%-110%	104%	103%
Toluene-d8	50	80%-115%	103%	103%
4-Bromofluorobenzene	50	75%-125%	102%	102%

Notes :

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

Laboratory Director

MAY 06 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: 4/11/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/11 #1 MS2
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/11 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	28.5	114%	85%-115%
Bromodichloromethane		ND	25	28.0	112%	85%-115%
Bromoform		ND	25	27.8	111%	85%-115%
Bromomethane		ND	25	19.5	78%	85%-115%
Carbon tetrachloride		ND	25	25.6	103%	85%-115%
Chlorobenzene		ND	25	26.2	105%	85%-115%
Chloroethane		ND	25	20.2	81%	85%-115%
Chloroform		ND	25	26.2	105%	85%-115%
Chloromethane		ND	25	22.4	90%	85%-115%
Dibromochloromethane		ND	25	28.2	113%	85%-115%
1,2-Dichlorobenzene		ND	25	28.6	114%	85%-115%
1,3-Dichlorobenzene		ND	25	27.6	110%	85%-115%
1,4-Dichlorobenzene		ND	25	26.8	107%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	27.0	108%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	25.3	101%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	25.0	100%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	28.1	112%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	26.0	104%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	25.9	104%	85%-115%
1,2-Dichloropropane		ND	25	27.3	109%	85%-115%
cis-1,3-Dichloropropene		ND	25	28.0	112%	85%-115%
trans-1,3-Dichloropropene		ND	25	27.7	111%	85%-115%
Ethyl benzene		ND	25	26.3	105%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	28.0	112%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	27.3	109%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	27.0	108%	85%-115%
Tetrachloroethene (PCE)		ND	25	27.6	110%	85%-115%
Toluene		ND	25	27.9	112%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	24.2	97%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	29.4	118%	85%-115%
Trichloroethene (TCE)		ND	25	27.2	109%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	20.1	80%	85%-115%
m,p-Xylenes		ND	50	50.3	101%	85%-115%
o-Xylene		ND	25	25.5	102%	85%-115%
Vinyl chloride (VC)		ND	25	20.9	83%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	95%		93%		
Toluene-d8	50	102%		101%		
4-Bromofluorobenzene	50	97%		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 06 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: 4/11/97
SUPPLY SOURCE: Absolut Standards, Inc. **LAB LCS ID:** LCS 4/11 #2 MS2
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/11 #2	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	25.9	104%	85%-115%
Bromodichloromethane		ND	25	25.8	103%	85%-115%
Bromoform		ND	25	28.7	115%	85%-115%
Bromomethane		ND	25	17.0	68%	85%-115%
Carbon tetrachloride		ND	25	23.9	96%	85%-115%
Chlorobenzene		ND	25	25.3	101%	85%-115%
Chloroethane		ND	25	19.0	76%	85%-115%
Chloroform		ND	25	22.9	92%	85%-115%
Chloromethane		ND	25	18.2	73%	85%-115%
Dibromochloromethane		ND	25	27.5	110%	85%-115%
1,2-Dichlorobenzene		ND	25	26.1	104%	85%-115%
1,3-Dichlorobenzene		ND	25	24.6	98%	85%-115%
1,4-Dichlorobenzene		ND	25	24.2	97%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	22.4	90%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	21.7	87%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	23.9	95%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	23.8	95%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	22.8	91%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	22.2	89%	85%-115%
1,2-Dichloropropane		ND	25	24.5	98%	85%-115%
cis-1,3-Dichloropropene		ND	25	25.4	101%	85%-115%
trans-1,3-Dichloropropene		ND	25	25.0	100%	85%-115%
Ethyl benzene		ND	25	24.5	98%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	23.9	96%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	26.4	105%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	25.0	100%	85%-115%
Tetrachloroethene (PCE)		ND	25	27.1	108%	85%-115%
Toluene		ND	25	24.5	98%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	21.3	85%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	27.2	109%	85%-115%
Trichloroethene (TCE)		ND	25	24.9	99%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	18.8	75%	85%-115%
m,p-Xylenes		ND	50	47.6	95%	85%-115%
o-Xylene		ND	25	24.5	98%	85%-115%
Vinyl chloride (VC)		ND	25	18.1	73%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	92%		91%		
Toluene-d8	50	100%		101%		
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 06 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: 4/11/97
BATCH #: 0411-1
LAB SAMPLE ID #: 1D057-24

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	123	98%	125	128	102%	4%	70%-130%	20
Chlorobenzene		ND	125	120	96%	125	122	98%	2%	70%-130%	20
Chloroform		ND	125	116	93%	125	123	98%	6%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	108	86%	125	116	93%	8%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	124	99%	125	133	107%	7%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	104	84%	125	111	89%	6%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	145	116%	125	161	129%	10%	70%-130%	20
Toluene		ND	125	124	99%	125	127	102%	2%	70%-130%	20
Trichloroethene (TCE)		3.3	125	126	98%	125	130	101%	3%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	97%		94%			96%				
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 0 6 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: 4/11/97
BATCH #: 0411-3
LAB SAMPLE ID #: 1D057-50

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS*	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125			125	130	104%	N/A	70%-130%	20
Chlorobenzene		ND	125			125	130	104%	N/A	70%-130%	20
Chloroform		ND	125			125	106	85%	N/A	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125			125	105	84%	N/A	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125			125	122	97%	N/A	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125			125	106	85%	N/A	70%-130%	20
Tetrachloroethene (PCE)		ND	125			125	146	117%	N/A	70%-130%	20
Toluene		ND	125			125	137	109%	N/A	70%-130%	20
Trichloroethene (TCE)		ND	125			125	121	97%	N/A	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	96%					97%				
Toluene-d8	50	100%					100%				
4-Bromofluorobenzene	50	98%					104%				

Notes :

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

Gareth Voigt
Laboratory Director

MAY 06 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: 4/11/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/11 #1 MS3
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/11 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	26.1	105%	85%-115%
Bromodichloromethane		ND	25	26.4	106%	85%-115%
Bromoform		ND	25	26.4	105%	85%-115%
Bromomethane		ND	25	21.3	85%	85%-115%
Carbon tetrachloride		ND	25	26.7	107%	85%-115%
Chlorobenzene		ND	25	27.2	109%	85%-115%
Chloroethane		ND	25	24.5	98%	85%-115%
Chloroform		ND	25	27.3	109%	85%-115%
Chloromethane		ND	25	25.7	103%	85%-115%
Dibromochloromethane		ND	25	27.2	109%	85%-115%
1,2-Dichlorobenzene		ND	25	25.8	103%	85%-115%
1,3-Dichlorobenzene		ND	25	26.3	105%	85%-115%
1,4-Dichlorobenzene		ND	25	26.2	105%	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	26.2	105%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	26.1	104%	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	26.9	108%	85%-115%
1,2-Dichloropropane		ND	25	26.1	105%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.0	104%	85%-115%
trans-1,3-Dichloropropene		ND	25	25.9	104%	85%-115%
Ethyl benzene		ND	25	26.6	106%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	25.9	104%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	25.9	104%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	26.3	105%	85%-115%
Tetrachloroethene (PCE)		ND	25	27.1	108%	85%-115%
Toluene		ND	25	26.1	104%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	26.7	107%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	26.0	104%	85%-115%
Trichloroethene (TCE)		ND	25	26.0	104%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	21.5	86%	85%-115%
m,p-Xylenes		ND	50	54.2	108%	85%-115%
o-Xylene		ND	25	27.2	109%	85%-115%
Vinyl chloride (VC)		ND	25	22.0	88%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	107%		106%		
Toluene-d8	50	103%		102%		
4-Bromofluorobenzene	50	104%		105%		

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 6 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: 4/11/97
SUPPLY SOURCE: Absolut Standards, Inc. **LAB LCS ID:** LCS 4/11 #2 MS3
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/11 #2	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	25.5	102%	85%-115%
Bromodichloromethane		ND	25	26.0	104%	85%-115%
Bromoform		ND	25	25.6	103%	85%-115%
Bromomethane		ND	25	20.3	81%	85%-115%
Carbon tetrachloride		ND	25	26.1	105%	85%-115%
Chlorobenzene		ND	25	26.2	105%	85%-115%
Chloroethane		ND	25	23.6	94%	85%-115%
Chloroform		ND	25	26.7	107%	85%-115%
Chloromethane		ND	25	24.0	96%	85%-115%
Dibromochloromethane		ND	25	26.2	105%	85%-115%
1,2-Dichlorobenzene		ND	25	25.3	101%	85%-115%
1,3-Dichlorobenzene		ND	25	25.5	102%	85%-115%
1,4-Dichlorobenzene		ND	25	25.8	103%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	22.2	89%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	26.3	105%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	26.2	105%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	25.6	102%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	26.0	104%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	26.3	105%	85%-115%
1,2-Dichloropropane		ND	25	25.6	102%	85%-115%
cis-1,3-Dichloropropene		ND	25	25.2	101%	85%-115%
trans-1,3-Dichloropropene		ND	25	25.5	102%	85%-115%
Ethyl benzene		ND	25	25.2	101%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	25.3	101%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	25.3	101%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	26.1	104%	85%-115%
Tetrachloroethene (PCE)		ND	25	25.9	104%	85%-115%
Toluene		ND	25	25.0	100%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	26.5	106%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	25.5	102%	85%-115%
Trichloroethene (TCE)		ND	25	25.1	100%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	20.0	80%	85%-115%
m,p-Xylenes		ND	50	52.1	104%	85%-115%
o-Xylene		ND	25	26.4	106%	85%-115%
Vinyl chloride (VC)		ND	25	20.9	84%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	108%		107%		
Toluene-d8	50	103%		102%		
4-Bromofluorobenzene	50	103%		103%		

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

Gareth Voigt
Laboratory Director

MAY 06 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: 4/11/97
BATCH #: 0411-2
LAB SAMPLE ID #: 1D057-27

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	118	95%	125	121	97%	2%	70%-130%	20
Chlorobenzene		ND	125	119	95%	125	122	98%	2%	70%-130%	20
Chloroform		ND	125	131	104%	125	135	108%	4%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	132	105%	125	136	109%	3%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	128	103%	125	133	106%	4%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		35	125	149	91%	125	128	74%	15%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	139	111%	125	155	124%	11%	70%-130%	20
Toluene		ND	125	119	95%	125	122	97%	2%	70%-130%	20
Trichloroethene (TCE)		71	125	208 M	109%	125	163	74%	#VALUE!	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	108%		108%			110%				
Toluene-d8	50	102%		103%			102%				
4-Bromofluorobenzene	50	102%		101%			103%				

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

Gareth Voigt
Laboratory Director

MAY 06 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: 4/11/97
BATCH #: 0411-4
LAB SAMPLE ID #: 1D057-57

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	122	98%	125	124	99%	2%	70%-130%	20
Chlorobenzene		ND	125	125	100%	125	128	102%	2%	70%-130%	20
Chloroform		ND	125	132	106%	125	135	108%	2%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	130	104%	125	132	105%	2%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	132	106%	125	134	107%	2%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	108	87%	125	111	89%	2%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	215	172%	125	215	172%	0%	70%-130%	20
Toluene		ND	125	122	98%	125	126	101%	3%	70%-130%	20
Trichloroethene (TCE)		ND	125	141	113%	125	143	114%	1%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	103%		105%			105%				
Toluene-d8	50	103%		103%			102%				
4-Bromofluorobenzene	50	102%		101%			102%				

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

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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QC DATA REPORT
TRPH
EPA Method 418.1

Date Sampled:	4/10/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/11/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/11/97	**Project:**	974002.00
Date Extracted:	4/11/97	**Matrix:**	Soil
Report Number:	0411A.QAC	**Units:**	mg/Kg
Lab Number:	2BB-36-12-15, 1D057-25		

Parameter	Blank 1 Result mg/Kg	Blank 2 Result mg/Kg	Spike Level mg/Kg	LCS Result mg/Kg	LCS Recov. %	Sample Result mg/Kg	MS Result mg/Kg	MS Recov. %	MSD Result mg/Kg	MSD Recov. %	RPD %
418.1	ND	ND	25.0	27.0	108	0.0	28.8	115	30.2	121	4.7

DEFINITION OF TERMS:

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

LABORATORY QC CRITERIA

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

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QC DATA REPORT
TRPH
EPA Method 418.1

Date Sampled:	4/11/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/11/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/11/97	**Project:**	974002.00
Date Extracted:	4/11/97	**Matrix:**	Soil
Report Number:	0411B.QAC	**Units:**	mg/Kg
Lab Number:	2BB-B-34-15, 1D057-55		

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	27.7	111	0.0	24.3	97	25.6	102	5.2

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:	4/11/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/11/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/11/97	**Project:**	974002.00
Date Extracted:	4/11/97	**Matrix:**	Soil
Report Number:	0411C.QAC	**Units:**	mg/Kg
Lab Number:	2BB-2-33-10, 1D057-48		

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	30.2	121	29.5	118	2.3

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
TPH-E
EPA Method 8015 Modified

Date Analyzed:	4/17/97	**Proj Mgr:**	Rus Purcell
Date Extracted:	4/16/97	**Client:**	Kennedy/Jenks
Report Number:	0416SD.QAC	**Project:**	974002.00
Lab Number:	DIESEL: 2BB-2-34-1, 1D057-52	**Matrix:**	Soil
	MOTOR OIL: 2BB-1-8-1, 1D055-27	**Units:**	mg/Kg

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	106	106	17.1	129	112	104	87	21.5
TPH-E mo	ND	107	101	94	10.6	103	86	104	87	1.0
surr %rec dies.	97			95	83					
surr %rec mo				84	66		75		76	

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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LABORATORIES, INC.

Daily Project Report

(To be kept with the daily project data files)

Project: Kennedy / Jenks DAC

Date: 4/11/97

ONSITE Analysts/Technicians: MY, AF, JJ

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

Normal Hours and Overtime Hours Worked:

Normal Hours 10

Overtime Hours 2

Reason for Overtime

Sample Volume and Matrix

Samples Received and Matrix 57 soils for 8260 (8010/8020 list) & 418.1

Time Last Samples Received

Client Issues Raised:

ONSITE Action Plan:

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

ONSITE
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[redacted]

Date:	4-14-97
Page:	1 of 3
Laboratory:	
Lab Number:	

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

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

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8020/8020 by GC/HS	418.1				No. Containers	Remarks
2BB-2-35-1	4-14-97	0835	Soil	SLS	926	MY	10058-01				X	X					
2BB-2-35-4	"	0840	"	SLS	"		02				X	X					
2BB-2-35-10	"	0847	"	SLS	"		03				X	X					
2BB-2-35-15	"	0853	"	SLS	"		04				X	X					
2BB-2-35-20	"	0855	"	SLS	"		05				X	X					
2BB-2-35-25	"	0905	"	SLS	"		06				X	X					
2BB-2-20-1	"	0943	"	SLS	1040		07				X	X					
2BB-2-20-4	"	0948	"	SLS	"		08				X	X					
2BB-2-20-10	"	0953	"	SLS	"		09				X	X					
2BB-2-21-1	"	1006	"	SLS	"		10				X	X					
2BB-2-21-4	"	1010	"	SLS	"		11				X	X					
2BB-2-21-10	"	1020	"	SLS	"		12				X	X					
							~~13~~										

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

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

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

BOE-C6-0106214

CHAIN OF CUSTODY REC[illegible]D AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 9[illegible]8 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:	4-14-97
Page:	2 of 3
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	5010/8020 by GC/MS	418.1				No. Containers	Remarks
2BB-2-1-1	4-14-97	1114	soil	SLS	1150	MY	12058-13				X	X					
2BB-2-1-4	"	1118	"	SLS	"	↓	14				X	X					
2BB-2-1-10	"	1125	"	SLS	"	↓	15				X	X					
2BB-2-6-1	"	1255	"	SLS	1400	↓	16				X	X					
2BB-2-6-4	"	1300	"	SLS	"	↓	17				X	X					
2BB-2-6-10	"	1307	"	SLS	"	↓	18				X	X					
2BB-2-5-4	"	1322	"	SLS	"	↓	19				X	X					
2BB-2-5-10	"	1330	"	SLS	"	↓	20				X	X					

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

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

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

BOE-C6-0106215

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94555 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	Rus Purcell
Client Name:	Kennedy/Jenks
Address:	2151 Michelson Dr., Ste. 100
City, State ZIP	Irvine, CA 92612
Phone:	714-261-1577
Fax:	261-2134

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	4-11-97
Page:	3 of 3
Laboratory:	
Lab Number:	

Project Name:	Douglas Aircraft
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	418.1	8010/8020				No. Containers	Remarks
2BB-2-34-1	4-11-97	1420	Soil	JK	1540	MY	10057-52				X	X				1	
2BB-2-34-4		1425					53				X	X				1	
2BB-2-34-10		1433					54				X	X				1	
2BB-2-34-15		1436					55				X	X				1	
2BB-2-34-20		1445					56				X	X				1	
2BB-2-34-25		1459					57				X	X				1	

Initials:	Printed Name:	Signature:		
JK	Jay Knight	[signature]	Date:	4-11-97
MY	Michael Yurovsky	[signature]	Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

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

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

BOE-C6-0106216

Analysis Request and Chain of Custody Record

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

Lab Job No: _____
Page 1 of 1

REQUIRED TAT: _____

CUSTOMER INFORMATION

COMPANY: Kennedy / Jenks
SEND REPORT TO:
ADDRESS:
PHONE: FAX:

PROJECT INFORMATION

PROJECT NAME: DAC
NUMBER: 974002.00
LOCATION: Bldg #1 - Basement
ADDRESS:
SAMPLED BY: DMS

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	8010	8020	418.1					REMARKS/PRECAUTIONS
5-38-1	1	4/10/97	1530	Soil	Stainless Steel		X	X	X					10057-01
5-38-4	1		1535				X	X	X					02
5-38-10	1		1545				X	X	X					03
5-37-1	1		1555				X	X	X					04
5-37-4	1		1600				X	X	X					05
5-37-10	1		1605				X	X	X					06
5-30-1	1		1635				X	X	X					07
5-30-4	1		1645				X	X	X					08
5-30-10	1		1650				X	X	X					09

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Dale M. Sf	4/10/97 2300	Michael Jmonty	4/11/97 9:35
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-C6-0106217

Analysis Request and Chain of Custody Record

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

Lab Job No: ____
Page 1 of 2

REQUIRED TAT: ____

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

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	8010	8020	418.1						REMARKS/PRECAUTIONS
36-9-1	1	4/10/97	1755	Soil	Stainless Steel		X	X	X						10057-10
36-9-4	1		1810				X	X	X						11
36-9-10	1		1820				X	X	X						12
36-9-15	1		1840				X	X	X						13
36-9-20	1		1900				X	X	X						14
36-9-25	1		1915				X	X	X						15
36-10-1	1		1935				X	X	X						16
36-10-4	1		1945				X	X	X						17
36-10-10	1		1955				X	X	X						18
36-10-15	1		2020				X	X	X						19
36-10-20	1		2040				X	X	X						20
36-10-25	1		2050				X	X	X						21
36-12-1	1		2105				X	X	X						22
36-12-4	1		2115				X	X	X						23

Total No. of Samples: ____

Method of Shipment: ____

Relinquished By:	Date/Time:	Received By:	Date/Time:
Dalio1. Sf	4/10/97 2300	Michael Jurovsky	4/11/97 9:35

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.

Analysis Request and Chain of Custody Record

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

Lab Job No: ____
Page 2 of 2

REQUIRED TAT: ____

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Kennedy/Jenks	PROJECT NAME:	DAC
SEND REPORT TO:		NUMBER:	974002.00
ADDRESS:		LOCATION:	Bldg #1 - Secured Area
		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
36-12-10	1	4/10/97	2135	Soil	Stainless Steel		X	X	X	10057-24
36-12-15	1		2155				X	X	X	25
36-12-20	1		2210				X	X	X	26
36-12-25	1		2225				X	X	X	27

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Dalph. S.	4/10/97 2300	Michael Jurowsky	4/11/97 9:35
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.

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

5500 Boscell Common Fremont, CA 94[illegible] Tel. (510) 490-8571 Fax. (510) 490-8572

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

Date:	4-11-97
Page:	1 of
Laboratory:	
Lab Number:	

Project Manager:	Rus Purcell
Client Name:	Kennedy / Jenks
Address:	2151 Michelson Dr, Ste 100
City, State ZIP	Irvine, CA 92612
Phone:	714-261-1577
Fax:	714-261-2134

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Project Name:	Douglas Aircraft
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	418.1	8010/8020				No. Containers	Remarks
2BB-2-22-1	4-11-97	0835	soil	JK	1030	MY	10057-28				X	X				1	
2BB-2-22-4		0838					29				X	X					
2BB-2-22-10		0845					30				X	X					
2BB-2-22-15		0850					31				X	X					
2BB-2-22-20		0855					32				X	X					
2BB-2-22-25		0900					33				X	X					
2BB-2-31-1		0940					34				X	X					
2BB-2-31-4		0945					35				X	X					
2BB-2-31-10		0955					36				X	X					
2BB-2-31-15		0957					37				X	X					
2BB-2-31-20		1007					38				X	X					
2BB-2-31-25		1015					39				X	X					

Initials:	Printed Name:	Signature:		
JK	Jay Knight	[signature]	Date:	4-11-97
MY	Michael Yurovsky	[signature]	Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

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

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

BOE-C6-0106220

CHAIN OF CUSTODY REC[illegible]D AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94[illegible]8 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	Rus Purcell
Client Name:	Kennedy / Jenks
Address:	2151 Michelson Dr., Ste. 100
City, State ZIP	Irvine, CA 92612
Phone:	714-261-1577
Fax:	261-2134

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	4-11-97
Page:	2 of
Laboratory:	
Lab Number:	

Project Name:	Douglas Aircraft
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	418.1	8010/8020				No. Containers	Remarks
2BB-2-32-1	4-11-97	1048	Soil	JK	1400	MY	10057-40				X	X				1	
2BB-2-32-4		1053					41				X	X				1	
2BB-2-32-10		1058					42				X	X				1	
2BB-2-32-15		1100					43				X	X				1	
2BB-2-32-20		1113					44				X	X				1	
2BB-2-32-25		1120					45				X	X				1	
2BB-2-33-1		1300					46				X	X				1	
2BB-2-33-4		1306					47				X	X				1	
2BB-2-33-10		1315					48				X	X				1	
2BB-2-33-15		1320					49				X	X				1	
2BB-2-33-20		1326					50				X	X				1	
2BB-2-33-25		1338					51				X	X				1	

Initials:	Printed Name:	Signature:	Date:	4-11-97
JK	Jay Knight	Jay Knight	Start Time:	
MY	Michael Yurovsky	Michael Yurovsky	Stop Time:	
			Hours:	
			Client Sign-off:	

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

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

BOE-C6-0106221

J

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/14/97,'4/11/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/14/97	**Client:**	Kennedy/Jenks
Report Number:	1D058A.RPT	**Project:**	974002.00
Lab Number:	1D058	**Units Soil:**	mg/Kg
Date Reported:	4/15/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D058-01	**2BB-2-35-1**	4/14/97	4/14/97	**56**	1	Soil
1D058-02	**2BB-2-35-4**	4/14/97	4/14/97	ND	1	Soil
1D058-03	**2BB-2-35-10**	4/14/97	4/14/97	ND	1	Soil
1D058-04	**2BB-2-35-15**	4/14/97	4/14/97	ND	1	Soil
1D058-05	**2BB-2-35-20**	4/14/97	4/14/97	**12**	1	Soil
1D058-06	**2BB-2-35-25**	4/14/97	4/14/97	**13**	1	Soil
1D058-07	**2BB-2-20-1**	4/14/97	4/14/97	ND	1	Soil
1D058-08	**2BB-2-20-4**	4/14/97	4/14/97	ND	1	Soil
1D058-09	**2BB-2-20-10**	4/14/97	4/14/97	ND	1	Soil
1D058-10	**2BB-2-21-1**	4/14/97	4/14/97	ND	1	Soil
1D058-11	**2BB-2-21-4**	4/14/97	4/14/97	ND	1	Soil
1D058-12	**2BB-2-21-10**	4/14/97	4/14/97	ND	1	Soil
1D058-13	**2BB-2-1-1**	4/14/97	4/14/97	**61**	1	Soil
1D058-14	**2BB-2-1-4**	4/14/97	4/14/97	**97**	1	Soil
1D058-15	**2BB-2-1-10**	4/14/97	4/14/97	**150**	1	Soil
1D058-16	**2BB-2-6-1**	4/14/97	4/14/97	ND	1	Soil
1D058-17	**2BB-2-6-4**	4/14/97	4/14/97	**37**	1	Soil
1D058-18	**2BB-2-6-10**	4/14/97	4/14/97	ND	1	Soil
1D058-19	**2BB-2-5-4**	4/14/97	4/14/97	ND	1	Soil
1D058-20	**2BB-2-5-10**	4/14/97	4/14/97	ND	1	Soil
1D058-21	**2BB-36-11-1**	4/14/97	4/14/97	**10**	1	Soil
1D058-22	**2BB-36-11-4**	4/14/97	4/14/97	ND	1	Soil
1D058-23	**2BB-36-11-10**	4/14/97	4/14/97	ND	1	Soil
1D058-24	**2BB-36-11-15**	4/14/97	4/14/97	**18**	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 Boswell Common, Fremont, CA 94538 (510) 490-8571

Gareth Voigt

Laboratory Director

MAY 07 1997

Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/14/97, 4/11/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/14/97	**Client:**	Kennedy/Jenks
Report Number:	1D057b.RPT	**Project:**	974002.00
Lab Number:	1D057	**Units Soil:**	mg/Kg
Date Reported:	4/15/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D058-25	**2BB-36-11-20**	4/14/97	4/14/97	ND	1	Soil
1D058-26	**2BB-36-11-25**	4/14/97	4/14/97	**31**	1	Soil
1D058-27	**2BB-5-46-1**	4/14/97	4/14/97	ND	1	Soil
1D058-28	**2BB-5-46-4**	4/14/97	4/14/97	ND	1	Soil
1D058-29	**2BB-5-46-10**	4/14/97	4/14/97	ND	1	Soil
1D058-30	**2BB-5-46-15**	4/14/97	4/14/97	ND	1	Soil
1D058-31	**2BB-5-46-20**	4/14/97	4/14/97	ND	1	Soil
1D058-32	**2BB-5-46-25**	4/14/97	4/14/97	ND	1	Soil
1D058-33	**2BB-2-4-1**	4/14/97	4/14/97	**15**	1	Soil
1D058-34	**2BB-2-4-4**	4/14/97	4/14/97	**12**	1	Soil
1D058-35	**2BB-2-4-10**	4/14/97	4/14/97	**36**	1	Soil
1D058-36	**2BB-2-7-1**	4/14/97	4/14/97	ND	1	Soil
1D058-37	**2BB-2-7-4**	4/14/97	4/14/97	ND	1	Soil
1D058-38	**2BB-2-7-10**	4/14/97	4/14/97	ND	1	Soil
1D058-39	**2BB-2-8-1**	4/14/97	4/14/97	ND	1	Soil
1D058-40	**2BB-2-8-4**	4/14/97	4/14/97	ND	1	Soil
1D058-41	**2BB-2-8-10**	4/14/97	4/14/97	ND	1	Soil
1D058-42	**2BB-2-3-1**	4/14/97	4/14/97	**12**	1	Soil
1D058-43	**2BB-2-3-4**	4/14/97	4/14/97	**210**	1	Soil
1D058-44	**2BB-2-3-10**	4/14/97	4/14/97	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

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

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

Date Sampled:	4/14/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/14/97	**Client:**	Kennedy/Jenks
Report Number:	1D058E.RPT	**Project:**	McDonnell Douglas
Lab Number:	1D058	**Units Soil:**	mg/Kg
Date Reported:	4/22/97		

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TPH-E Diesel	TPH-E Motor Oil	TPH-E Sur. %	TPH-E DF	Matrix
1D058-01	**2BB-2-35-1**	4/16/97	4/19/97	ND	ND	92	1	Soil
1D058-13	**2BB-2-1-1**	4/16/97	4/18/97	ND	ND	92	1	Soil
1D058-14	**2BB-2-1-4**	4/16/97	4/18/97	ND	**12**	103	1	Soil
1D058-15	**2BB-2-1-10**	4/16/97	4/18/97	ND	ND	93	1.6	Soil
1D058-17	**2BB-2-6-4**	4/16/97	4/19/97	ND	ND	101	1	Soil
1D058-26	**2BB-36-11-25**	4/16/97	4/22/97	ND	ND	77	1	Soil
1D058-35	**2BB-2-4-10**	4/16/97	4/19/97	ND	ND	93	1	Soil
1D058-43	**2BB-2-3-4**	4/16/97	4/18/97	ND	**26**	100	1	Soil
Reporting Limits SOIL mg/Kg				10	10			

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

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

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

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/14/97	4/14/98	4/14/99	4/14/100	4/14/101	4/14/102	4/14/103
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D058-01	1D058-02	1D058-03	1D058-04	1D058-05	1D058-06	1D058-07
CLIENT SAMPLE ID : 2BB-			2-35-1	2-35-4	2-35-10	2-35-15	2-35-20	2-35-25	2-20-1
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	17	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%	104%	107%	107%	108%	107%	108%	104%
Toluene-d8	50	80%-115%	103%	104%	104%	103%	103%	103%	103%
4-Bromofluorobenzene	50	75%-125%	101%	102%	105%	103%	103%	102%	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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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/14/97	4/14/97	4/14/97	4/14/97	4/14/97	4/14/97	4/15/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D058-08	1D058-09	1D058-10	1D058-11	1D058-12	1D058-13	1D058-14
CLIENT SAMPLE ID : 2BB-			2-20-4	2-20-10	2-21-1	2-21-4	2-21-10	2-1-1	2-1-4
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	7.8	5.2	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%	108%	105%	107%	108%	104%	101%
Toluene-d8	50	80%-115%	103%	103%	101%	103%	103%	103%	106%
4-Bromofluorobenzene	50	75%-125%	101%	102%	98%	100%	100%	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
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	4/14/97	4/14/98	4/14/99	4/14/100	4/14/101	4/14/102
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D058-15	1D058-16	1D058-17	1D058-18	1D058-19	1D058-20
		CLIENT SAMPLE ID : 2BB-	2-1-10	2-6-1	2-6-4	2-6-10	2-5-4	2-5-10
		EXTRACTION SOLVENT						
		EXTRACTION METHOD						
		DILUTION FACTOR	1	1	1	1	1	1
COMPOUND		CRDL						
Benzene		5	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	104%	109%	108%	108%	111%	108%
Toluene-d8	50	80%-115%	104%	101%	102%	103%	105%	105%
4-Bromofluorobenzene	50	75%-125%	97%	100%	104%	103%	99%	99%

Notes :

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

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/14/97	4/14/97	4/14/97	4/14/97	4/14/97	4/14/97	4/14/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D058-21	1D058-22	1D058-23	1D058-24	1D058-25	1D058-26	1D058-27
CLIENT SAMPLE ID : 2BB-			36-11-1	36-11-4	36-11-10	36-11-15	36-11-20	36-11-25	5-46-1
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	**8.8**	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	**18**	**68**	**100**	**39**	**250**	**70**	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	**7.5**	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	**5.4**	ND	**18**	**9.5**	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	**18**	**71**	**83**	**60**	**210**	**80**	**8.8**
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%	101%	101%	104%	105%	105%	105%	108%
Toluene-d8	50	80%-115%	103%	105%	100%	103%	103%	103%	103%
4-Bromofluorobenzene	50	75%-125%	102%	99%	100%	100%	102%	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

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/14/97	4/14/97	4/14/97	4/14/97	4/14/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D058-28	1D058-29	1D058-30	1D058-31	1D058-32
CLIENT SAMPLE ID : 2BB-			5-46-4	5-46-10	5-46-15	5-46-20	5-46-25
EXTRACTION SOLVENT							
EXTRACTION METHOD							
DILUTION FACTOR			1	1	1	1	1
COMPOUND		CRDL					
Benzene		5	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	ND	5.7	ND	ND	7.2
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	110%	108%	110%	109%	108%
Toluene-d8	50	80%-115%	104%	103%	104%	103%	102%
4-Bromofluorobenzene	50	75%-125%	102%	103%	104%	102%	102%

Notes :

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

Gareth Voigt
Laboratory Director

MAY 0 7 1997
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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/14/97	4/14/97	4/14/97	4/14/97	4/14/97	4/14/97	4/14/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D058-33	1D058-34	1D058-35	1D058-36	1D058-37	1D058-38	1D058-39
CLIENT SAMPLE ID : 2BB-			2-4-1	2-4-4	2-4-10	2-7-1	2-7-4	2-7-10	2-8-1
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%	111%	110%	110%	108%	107%	109%	109%
Toluene-d8	50	80%-115%	105%	104%	105%	102%	103%	104%	103%
4-Bromofluorobenzene	50	75%-125%	96%	97%	100%	99%	99%	102%	97%

Notes :

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

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/14/97	4/14/97	4/14/97	4/14/97	4/14/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D058-40	1D058-41	1D058-42	1D058-43	1D058-44
CLIENT SAMPLE ID : 2BB-			2-8-4	2-8-10	2-3-1	2-3-4	2-3-10
EXTRACTION SOLVENT							
EXTRACTION METHOD							
DILUTION FACTOR			1	1	1	1	1
COMPOUND		CRDL					
Benzene		5	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	ND	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	107%	108%	111%	114%	111%
Toluene-d8	50	80%-115%	102%	103%	103%	101%	103%
4-Bromofluorobenzene	50	75%-125%	100%	103%	100%	98%	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

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QC DATA REPORT
TPH-E
EPA Method 8015 Modified

Date Analyzed:	4/17/97	**Proj Mgr:**	Rus Purcell
Date Extracted:	4/16/97	**Client:**	Kennedy/Jenks
Report Number:	0416SD.QAC	**Project:**	974002.00
Lab Number:	DIESEL: 2BB-2-34-1, 1D057-52	**Matrix:**	Soil
	MOTOR OIL: 2BB-1-8-1, 1D055-27	**Units:**	mg/Kg

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	106	106	17.1	129	112	104	87	21.5
TPH-E mo	ND	107	101	94	10.6	103	86	104	87	1.0
surr %rec dies.	97			95	83					
surr %rec mo				84	66		75		76	

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:	4/14/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/14/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/14/97	**Project:**	974002.00
Date Extracted:	4/14/97	**Matrix:**	Soil
Report Number:	0414A.QAC	**Units:**	mg/Kg
Lab Number:	2BB-5-46-25, 1D058-32		

Parameter	Blank 1 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	25.0	27.0	108	0.0	26.0	104	26.7	107	2.7

DEFINITION OF TERMS:

D - Analytes not detected at, or above the reporting limit
. - 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:	4/14/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/14/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/14/97	**Project:**	974002.00
Date Extracted:	4/14/97		
Report Number:	0414C.QAC	**Matrix:**	Soil
Lab Number:	2BB-2-7-10, 1D058-38	**Units:**	mg/Kg

Parameter	Blank 1 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	25.0	23.9	96	0.0	25.6	102	32.2	129	22.8

DEFINITION OF TERMS:

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

LABORATORY QC CRITERIA

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

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QC DATA REPORT
TRPH
EPA Method 418.1

Date Sampled:	4/14/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/14/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/14/97	**Project:**	974002.00
Date Extracted:	4/14/97		
Report Number:	0414B.QAC	**Matrix:**	Soil
Lab Number:	2BB-2-1-10, 1D058-15	**Units:**	mg/Kg

Parameter	Blank 1 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	25.0	25.3	101	151	181	120	278	508	42.3

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

ANALYTE		MB 4/14 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	26.8	107%	85%-115%
Bromodichloromethane		ND	25	26.7	107%	85%-115%
Bromoform		ND	25	27.3	109%	85%-115%
Bromomethane		ND	25	22.0	88%	85%-115%
Carbon tetrachloride		ND	25	26.6	106%	85%-115%
Chlorobenzene		ND	25	26.7	107%	85%-115%
Chloroethane		ND	25	25.7	103%	85%-115%
Chloroform		ND	25	26.0	104%	85%-115%
Chloromethane		ND	25	25.6	102%	85%-115%
Dibromochloromethane		ND	25	26.8	107%	85%-115%
1,2-Dichlorobenzene		ND	25	26.3	105%	85%-115%
1,3-Dichlorobenzene		ND	25	26.5	106%	85%-115%
1,4-Dichlorobenzene		ND	25	25.3	101%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	28.8	115%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	26.4	105%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	26.2	105%	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	26.7	107%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	26.3	105%	85%-115%
1,2-Dichloropropane		ND	25	26.4	106%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.5	106%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.6	106%	85%-115%
Ethyl benzene		ND	25	27.0	108%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	26.0	104%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	26.9	107%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	26.0	104%	85%-115%
Tetrachloroethene (PCE)		ND	25	27.5	110%	85%-115%
Toluene		ND	25	26.4	106%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	26.2	105%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	26.3	105%	85%-115%
Trichloroethene (TCE)		ND	25	26.4	105%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	22.9	92%	85%-115%
m,p-Xylenes		ND	50	55.6	111%	85%-115%
o-Xylene		ND	25	27.5	110%	85%-115%
Vinyl chloride (VC)		ND	25	22.8	91%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	100%		102%		
Toluene-d8	50	102%		104%		
4-Bromofluorobenzene	50	100%		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: 4/14/97
BATCH #: 0414-1
LAB SAMPLE ID #: 1D058-35

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	122	98%	125	119	95%	3%	70%-130%	20
Chlorobenzene		ND	125	124	100%	125	122	98%	2%	70%-130%	20
Chloroform		ND	125	132	106%	125	132	106%	<1%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	132	105%	125	129	103%	2%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	136	109%	125	135	108%	1%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	114	91%	125	110	88%	4%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	166	133%	125	165	132%	1%	70%-130%	20
Toluene		ND	125	126	101%	125	124	99%	1%	70%-130%	20
Trichloroethene (TCE)		ND	125	125	100%	125	123	98%	2%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	110%		107%			111%				
Toluene-d8	50	105%		103%			105%				
4-Bromofluorobenzene	50	100%		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
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 07 1997
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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: 4/14/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/14 #1 MS3
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/14 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	26.8	107%	85%-115%
Bromodichloromethane		ND	25	27.3	109%	85%-115%
Bromoform		ND	25	26.2	105%	85%-115%
Bromomethane		ND	25	21.9	88%	85%-115%
Carbon tetrachloride		ND	25	27.7	111%	85%-115%
Chlorobenzene		ND	25	27.5	110%	85%-115%
Chloroethane		ND	25	24.9	99%	85%-115%
Chloroform		ND	25	27.9	111%	85%-115%
Chloromethane		ND	25	25.6	102%	85%-115%
Dibromochloromethane		ND	25	27.3	109%	85%-115%
1,2-Dichlorobenzene		ND	25	26.9	107%	85%-115%
1,3-Dichlorobenzene		ND	25	27.3	109%	85%-115%
1,4-Dichlorobenzene		ND	25	27.2	109%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	24.1	97%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	27.2	109%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	26.7	107%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	27.4	110%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	26.9	108%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	27.4	110%	85%-115%
1,2-Dichloropropane		ND	25	26.7	107%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.6	107%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.4	106%	85%-115%
Ethyl benzene		ND	25	27.3	109%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	26.2	105%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	26.4	105%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	26.8	107%	85%-115%
Tetrachloroethene (PCE)		ND	25	27.2	109%	85%-115%
Toluene		ND	25	26.5	106%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	28.2	113%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	26.1	104%	85%-115%
Trichloroethene (TCE)		ND	25	26.9	108%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	24.3	97%	85%-115%
m,p-Xylenes		ND	50	55.0	110%	85%-115%
o-Xylene		ND	25	27.8	111%	85%-115%
Vinyl chloride (VC)		ND	25	23.4	93%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	106%		106%		
Toluene-d8	50	103%		103%		
4-Bromofluorobenzene	50	103%		103%		

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

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

ANALYTE		MB 4/14 #2	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	26.9	108%	85%-115%
Bromodichloromethane		ND	25	27.3	109%	85%-115%
Bromoform		ND	25	26.8	107%	85%-115%
Bromomethane		ND	25	21.0	84%	85%-115%
Carbon tetrachloride		ND	25	28.0	112%	85%-115%
Chlorobenzene		ND	25	27.3	109%	85%-115%
Chloroethane		ND	25	23.8	95%	85%-115%
Chloroform		ND	25	28.0	112%	85%-115%
Chloromethane		ND	25	24.7	99%	85%-115%
Dibromochloromethane		ND	25	27.7	111%	85%-115%
1,2-Dichlorobenzene		ND	25	26.9	107%	85%-115%
1,3-Dichlorobenzene		ND	25	27.0	108%	85%-115%
1,4-Dichlorobenzene		ND	25	26.9	108%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	22.8	91%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	27.6	110%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	27.2	109%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	26.4	106%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	27.1	108%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	27.4	110%	85%-115%
1,2-Dichloropropane		ND	25	26.8	107%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.6	106%	85%-115%
trans-1,3-Dichloropropene		ND	25	27.1	108%	85%-115%
Ethyl benzene		ND	25	26.7	107%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	26.4	106%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	26.6	106%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	27.0	108%	85%-115%
Tetrachloroethene (PCE)		ND	25	27.1	108%	85%-115%
Toluene		ND	25	26.2	105%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	28.6	114%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	26.9	108%	85%-115%
Trichloroethene (TCE)		ND	25	26.6	106%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	21.8	87%	85%-115%
m,p-Xylenes		ND	50	54.3	109%	85%-115%
o-Xylene		ND	25	27.6	110%	85%-115%
Vinyl chloride (VC)		ND	25	22.8	91%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	108%		108%		
Toluene-d8	50	103%		103%		
4-Bromofluorobenzene	50	102%		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: 4/14/97
BATCH #: 0414-2
LAB SAMPLE ID #: 1D058-30

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	109.7	88%	125	122.3	98%	11%	70%-130%	20
Chlorobenzene		ND	125	111.8	89%	125	123.9	99%	10%	70%-130%	20
Chloroform		ND	125	124.7	100%	125	136.9	109%	9%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	122.4	98%	125	134.1	107%	9%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	119.9	96%	125	134.6	108%	12%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	101.3	81%	125	109.0	87%	7%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	150.2	120%	125	172.8	138%	14%	70%-130%	20
Toluene		ND	125	110.1	88%	125	122.4	98%	11%	70%-130%	20
Trichloroethene (TCE)		3.3	125	115.9	90%	125	126.7	99%	9%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	110%		112%			111%				
Toluene-d8	50	104%		103%			102%				
4-Bromofluorobenzene	50	104%		101%			103%				

Notes :

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

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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: 4/14/97
BATCH #: 0414-3
LAB SAMPLE ID #: 1D058-44

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	123	99%	125	121	97%	2%	70%-130%	20
Chlorobenzene		ND	125	126	101%	125	125	100%	1%	70%-130%	20
Chloroform		ND	125	135	108%	125	136	109%	1%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	131	105%	125	133	106%	1%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	134	107%	125	135	108%	1%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	109	87%	125	109	87%	0%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	166	133%	125	169	135%	1%	70%-130%	20
Toluene		ND	125	123	99%	125	123	98%	1%	70%-130%	20
Trichloroethene (TCE)		ND	125	123	98%	125	124	99%	1%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	111%		110%			112%				
Toluene-d8	50	103%		104%			103%				
4-Bromofluorobenzene	50	102%		102%			102%				

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

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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: 4/14/97

ONSITE Analysts/Technicians: MY, SW, LT

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

Normal Hours and Overtime Hours Worked:

Normal Hours 10

Overtime Hours

Reason for Overtime

Sample Volume and Matrix

Samples Received and Matrix 44 soils for 8260 (8010/8020 list) & 418

Time Last Samples Received

Client Issues Raised:

ONSITE Action Plan:

Printed on recycled paper

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 1 of 1

REQUIRED TAT:

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

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	8010	8020	418.1						REMARKS/PRECAUTIONS
36-11-1	1	4/11/97	1510	Soil	Stainless Steel		X	X	X						10058-21
36-11-4	1	"	1515	"	"		X	X	X						22
36-11-10	1	"	1520	"	"		X	X	X						23
36-11-15	1	"	1540	"	"		X	X	X						24
36-11-20	1	"	1545	"	"		X	X	X						25
36-11-25	1	"	1600	"	"		X	X	X						26

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	4/11/97 1945	[signature]	4-11-97 1945
[signature]	4-11-97 1410		

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-C6-0106243

Analysis Request and Chain of Custody Record

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

Lab Job No:
Page 1 of 1

REQUIRED TAT:

CUSTOMER INFORMATION

COMPANY: Kennedy/Jenks
SEND REPORT TO:
ADDRESS:
PHONE: FAX:

PROJECT INFORMATION

PROJECT NAME: DAC
NUMBER: 974002.00
LOCATION: Bldg 1 - Dip Tank Area
ADDRESS:
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
5-46-1	1	4/11/97	1640	Soil	Stainless Steel		X	X	X						11058-27
5-46-4	1		1645				X	X	X						28
5-46-10	1		1650				X	X	X						29
5-46-15	1		1655				X	X	X						30
5-46-20	1		1705				X	X	X						31
5-46-25	1		1715				X	X	X						32

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Dalia M. Sel	4/11/97 1944	[signature]	4-11-97 1944
[signature]	4-14-97 1410		

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-C6-0106244

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE ENVIRONMENTAL LABORATORIES, INC.

[redacted]

5500 Boscell Common Fremont, CA 9[illegible] Tel. (510) 490-8571 Fax. (510) 490-8572

Date:	4-14-97
Page:	1 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:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8010/8020 by 624/5	418.1				No. Containers	Remarks
2BB-2-35-1	4-14-97	0835	Soil	[illegible]	926	MY	10058-01				X	X					
2BB-2-35-4	"	0840	"	[illegible]	"		02				X	X					
2BB-2-35-10	"	0847	"	[illegible]	"		03				X	X					
2BB-2-35-15	"	0853	"	[illegible]	"		04				X	X					
2BB-2-35-20	"	0855	"	[illegible]	"		05				X	X					
2BB-2-35-25	"	0905	"	[illegible]	"		06				X	X					
2BB-2-20-1	"	0943	"	[illegible]	1040		07				X	X					
2BB-2-20-4	"	0948	"	[illegible]	"		08				X	X					
2BB-2-20-10	"	0953	"	[illegible]	"		09				X	X					
2BB-2-21-1	"	1006	"	[illegible]	"		10				X	X					
2BB-2-21-4	"	1010	"	[illegible]	"		11				X	X					
2BB-2-21-10	"	1020	"	[illegible]	"		12				X	X					
							~~13~~										

Initials:	Printed Name:	Signature:		
[illegible]	Shane Scrimshire	[illegible]	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-C6-0106245

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE ENVIRONMENTAL LABORATORIES, INC.

[redacted]

5500 Boscell Common Fremont, CA 9[illegible] 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:	4-14-97
Page:	2 of 3
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	5010/8020 by GC/MS	418.1				No. Containers	Remarks
2BB-2-1-1	4-14-97	1114	soil	SCS	1150	MY	1D058-13				X	X					
2BB-2-1-4	"	1118	"	SCS	"		14				X	X					
2BB-2-1-10	"	1125	"	SCS	"		15				X	X					
2BB-2-6-1	"	1255	"	SCS	1400		16				X	X					
2BB-2-6-4	"	1300	"	SCS	"		17				X	X					
2BB-2-6-10	"	1307	"	SCS	"		18				X	X					
2BB-2-5-4	"	1322	"	SCS	"		19				X	X					
2BB-2-5-10	"	1330	"	SCS	"		20				X	X					

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

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

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

BOE-C6-0106246

CHAIN OF CUSTODY REC(' 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:	4-14-97
Page:	3 of 3
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8010/8020 by GC/MS	418.1				No. Containers	Remarks
2BB-2-4-1	4-14-97	1350	Soil	SCS	1615	MY	1D058-33				X	X					
2BB-2-4-4	"	1354	"	SCS	↓	↓	34				X	X					
2BB-2-4-10	"	1400	"	SCS	↓	↓	35				X	X					
2BB-2-7-1	"	1450	"	SCS	↓	↓	36				X	X					
2BB 2-7-4	"	1452	"	SCS	↓	↓	37				X	X					
2BB-2-7-10	"	1500	"	SCS	↓	↓	38				X	X					
2BB-2-8-1	"	1525	"	SCS	↓	↓	39				X	X					
2BB-2-8-4	"	1527	"	SCS	↓	↓	40				X	X					
2BB-2-8-10	"	1535	"	SCS	↓	↓	41				X	X					
2BB-2-3-1	"	1422	"	JK	1653	↓	42				X	X					
2BB-2-3-4	"	1426	"	JK	↓	↓	43				X	X					
2BB-2-3-10	"	1434	"	JK	↓	↓	44				X	X					

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

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

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

BOE-C6-0106247

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/16/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/16/97	**Client:**	Kennedy/Jenks
Report Number:	1D060A.RPT	**Project:**	974002.00
Lab Number:	1D060	**Units Soil:**	mg/Kg
Date Reported:	4/17/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D060-01	**2BB-1-18-1**	4/16/97	4/16/97	ND	1	Soil
1D060-02	**2BB-1-18-4**	4/16/97	4/16/97	**24**	1	Soil
1D060-03	**2BB-1-18-10**	4/16/97	4/16/97	ND	1	Soil
1D060-04	**2BB-1-18-15**	4/16/97	4/16/97	**17**	1	Soil
1D060-05	**2BB-1-18-20**	4/16/97	4/16/97	ND	1	Soil
1D060-06	**2BB-1-18-25**	4/16/97	4/16/97	ND	1	Soil
1D060-07	**2BB-4-1-1**	4/16/97	4/16/97	**28**	1	Soil
1D060-08	**2BB-4-1-4**	4/16/97	4/16/97	**28**	1	Soil
1D060-09	**2BB-4-1-10**	4/16/97	4/16/97	**32**	1	Soil
1D060-10	**2BB-4-2-1**	4/16/97	4/16/97	**180**	1	Soil
1D060-11	**2BB-4-2-4**	4/16/97	4/16/97	**110**	1	Soil
1D060-12	**2BB-4-2-10**	4/16/97	4/16/97	ND	1	Soil
1D060-13	**2BB-4-3-1**	4/16/97	4/16/97	**400**	10	Soil
1D060-14	**2BB-4-3-4**	4/16/97	4/16/97	**12**	1	Soil
1D060-15	**2BB-4-3-10**	4/16/97	4/16/97	ND	1	Soil
1D060-16	**2BB-SA-NE-8-1**	4/16/97	4/16/97	ND	1	Soil
1D060-17	**2BB-SA-NE-8-4**	4/16/97	4/16/97	ND	1	Soil
1D060-18	**2BB-SA-NE-8-10**	4/16/97	4/16/97	ND	1	Soil
1D060-19	**2BB-SA-NE-8-20**	4/16/97	4/16/97	ND	1	Soil
1D060-20	**2BB-SA-NE-8-30**	4/16/97	4/16/97	**15**	1	Soil
1D060-21	**2BB-SA-NE-8-40**	4/16/97	4/16/97	ND	1	Soil
1D060-22	**2BB-SA-NE-8-50**	4/16/97	4/16/97	**31**	1	Soil
1D060-23	**2BB-4-4-1**	4/16/97	4/16/97	**59**	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 8 1997
Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/16/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/16/97	**Client:**	Kennedy/Jenks
Report Number:	1D060B.RPT	**Project:**	974002.00
Lab Number:	1D060	**Units Soil:**	mg/Kg
Date Reported:	4/17/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D060-24	**2BB-4-4-4**	4/16/97	4/16/97	**17**	1	Soil
1D060-25	**2BB-4-4-10**	4/16/97	4/16/97	ND	1	Soil
1D060-26	**2BB-4-5-1**	4/16/97	4/16/97	**36**	1	Soil
1D060-27	**2BB-4-5-4**	4/16/97	4/16/97	**110**	1	Soil
1D060-28	**2BB-4-5-10**	4/16/97	4/16/97	ND	1	Soil
1D060-29	**2BB-SA-NE-2-1**	4/16/97	4/16/97	**17**	1	Soil
1D060-30	**2BB-SA-NE-2-4**	4/16/97	4/16/97	ND	1	Soil
1D060-31	**2BB-SA-NE-2-10**	4/16/97	4/16/97	ND	1	Soil
1D060-32	**2BB-SA-NE-2-20**	4/16/97	4/16/97	ND	1	Soil
1D060-33	**2BB-SA-NE-2-30**	4/16/97	4/16/97	ND	1	Soil
1D060-34	**2BB-SA-NE-2-40**	4/16/97	4/16/97	ND	1	Soil
1D060-35	**2BB-SA-NE-2-50**	4/16/97	4/16/97	ND	1	Soil
1D060-36	**2BB-4-6-1**	4/16/97	4/16/97	**74**	1	Soil
1D060-37	**2BB-4-6-4**	4/16/97	4/16/97	**430**	10	Soil
1D060-38	**2BB-4-6-10**	4/16/97	4/16/97	ND	1	Soil
1D060-39	**2BB-6-8-1**	4/16/97	4/16/97	ND	1	Soil
1D060-40	**2BB-6-8-4**	4/16/97	4/16/97	**33**	1	Soil
1D060-41	**2BB-6-8-10**	4/16/97	4/16/97	ND	1	Soil
1D060-42	**2BB-6-8-15**	4/16/97	4/16/97	ND	1	Soil
1D060-43	**2BB-6-8-20**	4/16/97	4/16/97	ND	1	Soil
1D060-44	**2BB-6-8-25**	4/16/97	4/16/97	ND	1	Soil
1D060-45	**2BB-SA-NW-7-1**	4/16/97	4/16/97	ND	1	Soil
1D060-46	**2BB-SA-NW-7-4**	4/16/97	4/16/97	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 0 8 1997
Date

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Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/16/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/16/97	**Client:**	Kennedy/Jenks
Report Number:	1D060C.RPT	**Project:**	974002.00
Lab Number:	1D060	**Units Soil:**	mg/Kg
Date Reported:	4/17/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D060-47	**2BB-SA-NW-7-10**	4/16/97	4/16/97	ND	1	Soil
1D060-48	**2BB-SA-NW-7-20**	4/16/97	4/16/97	**25**	1	Soil
1D060-49	**2BB-SA-NW-7-30**	4/16/97	4/16/97	ND	1	Soil
1D060-50	**2BB-SA-NW-7-40**	4/16/97	4/16/97	ND	1	Soil
1D060-51	**2BB-SA-NW-7-50**	4/16/97	4/16/97	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 08 1997
Date

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

Date Sampled:	4/16/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/16/97	**Client:**	Kennedy/Jenks
Report Number:	1D060E.RPT	**Project:**	McDonnell Douglas
Lab Number:	1D060	**Units Soil:**	mg/Kg
Date Reported:	4/21/97		

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TPH-E Diesel	TPH-E Motor Oil	TPH-E Sur. %	TPH-E DF	Matrix
1D060-09	**2BB-4-1-10**	4/18/97	4/20/97	ND	ND	75	1	Soil
1D060-10	**2BB-4-2-1**	4/18/97	4/21/97	ND	**250***	82	1	Soil
1D060-11	**2BB-4-2-4**	4/18/97	4/21/97	ND	**210***	67	1	Soil
1D060-13	**2BB-4-3-1**	4/17/97	4/21/97	ND	**330***	D	5	Soil
1D060-22	**2BB-SA-NE-8-50**	4/18/97	4/20/97	ND	ND	79	1	Soil
1D060-23	**2BB-4-4-1**	4/17/97	4/20/97	ND	**19**	84	1	Soil
1D060-26	**2BB-4-5-1**	4/17/97	4/20/97	ND	**13**	109	1	Soil
1D060-27	**2BB-4-5-4**	4/17/97	4/21/97	ND	**40**	78	1	Soil
1D060-36	**2BB-4-6-1**	4/17/97	4/20/97	ND	**21**	82	1	Soil
1D060-37	**2BB-4-6-4**	4/18/97	4/20/97	ND	ND	81	1	Soil
1D060-40	**2BB-6-8-4**	4/18/97	4/21/97	ND	**110***	87	1	Soil
Reporting Limits SOIL mg/Kg				10	10			

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

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

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

Gareth Voigt
Laboratory Director

MAY 0 8 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/16/97	4/16/97	4/16/97	4/16/97	4/16/97	4/16/97	4/16/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D060-01	1D060-02	1D060-03	1D060-04	1D060-05	1D060-06	1D060-07
		CLIENT SAMPLE ID : 2BB-	1-18-1	1-18-4	1-18-10	1-18-15	1-18-20	1-18-25	4-1-1
		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	**10**	ND	**25**	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	**12**	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%	108%	107%	108%	109%	107%	107%
Toluene-d8	50	80%-115%	107%	104%	104%	104%	105%	104%	107%
4-Bromofluorobenzene	50	75%-125%	101%	102%	101%	98%	101%	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 0 8 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			4/16/97	4/16/97	4/16/97	4/16/97	4/16/97	4/16/97	4/16/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D060-08	1D060-09	1D060-10	1D060-11	1D060-12	1D060-13	1D060-14
CLIENT SAMPLE ID : 2BB-			4-1-4	4-1-10	4-2-1	4-2-4	4-2-10	4-3-1	4-3-4
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%	109%	109%	110%	107%	110%	111%	112%
Toluene-d8	50	80%-115%	105%	105%	106%	105%	106%	103%	105%
4-Bromofluorobenzene	50	75%-125%	100%	101%	96%	96%	100%	99%	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 8 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/16/97	4/16/97	4/16/97	4/16/97	4/16/97	4/16/97	4/16/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D060-15	1D060-16	1D060-17	1D060-18	1D060-19	1D060-20	1D060-21
CLIENT SAMPLE ID : 2BB-			4-3-10	SA-NE-8-1	SA-NE-8-4	SA-NE-8-10	SA-NE-8-20	SA-NE-8-30	SA-NE-8-40
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%	113%	111%	113%	113%	111%	115%	112%
Toluene-d8	50	80%-115%	107%	106%	104%	104%	105%	107%	107%
4-Bromofluorobenzene	50	75%-125%	98%	99%	100%	99%	98%	100%	98%

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

Gareth Voigt
Laboratory Director

MAY 0 8 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/16/97	4/16/97	4/16/97	4/16/97	4/16/97	4/16/97	4/16/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D060-22	1D060-23	1D060-24	1D060-25	1D060-26	1D060-27	1D060-28
CLIENT SAMPLE ID : 2BB-			SA-NE-8-50	4-4-1	4-4-4	4-4-10	4-5-1	4-5-4	4-5-10
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%	112%	102%	103%	107%	102%	104%	104%
Toluene-d8	50	80%-115%	105%	103%	103%	103%	104%	102%	104%
4-Bromofluorobenzene	50	75%-125%	98%	99%	100%	101%	99%	98%	99%

Notes :

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

Gareth Voigt
Laboratory Director

MAY 0 8 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			4/16/97	4/16/97	4/16/97	4/16/97	4/16/97	4/16/97	4/16/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D060-29	1D060-30	1D060-31	1D060-32	1D060-33	1D060-34	1D060-35
CLIENT SAMPLE ID : 2BB-			SA-NE-2-1	SA-NE-2-4	SA-NE-2-10	SA-NE-2-20	SA-NE-2-30	SA-NE-2-40	SA-NE-2-50
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	**15**	**27**	**51**	**34**	**69**	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	**6.5**	**44**	**94**	**69**	**120**	**12**
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%	101%	106%	106%	105%	105%	105%	103%
Toluene-d8	50	80%-115%	104%	104%	103%	103%	104%	103%	103%
4-Bromofluorobenzene	50	75%-125%	98%	99%	99%	98%	100%	99%	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 8 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/16/97	4/16/97	4/16/97	4/16/97	4/16/97	4/16/97	4/16/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D060-36	1D060-37	1D060-38	1D060-39	1D060-40	1D060-41	1D060-42
CLIENT SAMPLE ID : 2BB-			4-6-1	4-6-4	4-6-10	6-8-1	6-8-4	6-8-10	6-8-15
EXTRACTION SOLVENT									
EXTRACTION METHOD									
DILUTION FACTOR			1	1	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	ND	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%	115%	113%	106%	111%	109%	110%	108%
Toluene-d8	50	80%-115%	106%	106%	106%	107%	103%	103%	106%
4-Bromofluorobenzene	50	75%-125%	98%	97%	98%	97%	95%	100%	99%

Notes :

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

Gareth Voigt
Laboratory Director

MAY 08 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/16/97	4/16/97	4/16/97	4/16/97	4/16/97	4/16/97	4/16/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D060-43	1D060-44	1D060-45	1D060-46	1D060-47	1D060-48	1D060-49
CLIENT SAMPLE ID : 2BB-			6-8-20	6-8-25	SA-NW-7-1	SA-NW-7-4	SA-NW-7-10	SA-NW-7-20	SA-NW-7-30
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%	115%	106%	106%	106%	105%	106%
Toluene-d8	50	80%-115%	106%	106%	104%	104%	105%	104%	105%
4-Bromofluorobenzene	50	75%-125%	101%	99%	97%	98%	100%	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 08 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/16/97	4/16/97
		DATE EXTRACTED	N/A	N/A
		LAB SAMPLE ID	1D060-50	1D060-51
		CLIENT SAMPLE ID : 2BB-	SA-NW-7-40	SA-NW-7-50
		EXTRACTION SOLVENT		
		EXTRACTION METHOD		
		DILUTION FACTOR	1	1
COMPOUND		CRDL		
Benzene		5	ND	ND
Bromodichloromethane		5	ND	ND
Bromoform		5	ND	ND
Bromomethane		5	ND	ND
Carbon tetrachloride		5	ND	ND
Chlorobenzene		5	ND	ND
Chloroethane		5	ND	ND
Chloroform		5	ND	ND
Chloromethane		5	ND	ND
Dibromochloromethane		5	ND	ND
1,2-Dichlorobenzene		5	ND	ND
1,3-Dichlorobenzene		5	ND	ND
1,4-Dichlorobenzene		5	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND
1,2-Dichloropropane		5	ND	ND
cis-1,3-Dichloropropene		5	ND	ND
trans-1,3-Dichloropropene		5	ND	ND
Ethyl benzene		5	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND
Tetrachloroethene (PCE)		5	ND	ND
Toluene		5	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND
Trichloroethene (TCE)		5	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND
m,p-Xylenes		5	ND	ND
o-Xylene		5	ND	ND
Vinyl chloride (VC)		5	ND	ND
TPH as gasoline		1000	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC
Dibromofluoromethane	50	75%-120%	107%	106%
Toluene-d8	50	80%-115%	106%	105%
4-Bromofluorobenzene	50	75%-125%	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
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 0 8 1997
Date

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QC DATA REPORT
TPH-E
EPA Method 8015 Modified

Date Sampled:	4/2/97	**Proj Mgr:**	Rus Furcell
Date Received:	4/2/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/20/97	**Project:**	974002.00
Date Extracted:	4/18/97	**Matrix:**	Soil
Report Number:	0417SD.QAC	**Units:**	mg/Kg
Lab Number:	DIESEL: 2BB-SA-NE-8-50, 1D060-22 MOTOR OIL: 2BB-6-12-4, 1D061-41		

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	89.4	89	0.0	83.6	84	83.0	83	1
TPH-E mo	ND	107	119	111	0.0	129	121	140	131	8.2
surr %rec dies.	103			91	79		83		81	
surr %rec mo				92	81		76		84	

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
TPH-E
EPA Method 8015 Modified

Date Sampled:	4/15/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/15/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/19/97	**Project:**	974002.00
Date Extracted:	4/17/97	**Matrix:**	Soil
Report Number:	0417SD.QAC	**Units:**	mg/Kg
Lab Number:	DIESEL: 2BB-2-9-4, 1D059-02 MOTOR OIL: 2BB-36-11-25, 1D058-26		

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	80.9	81	0.0	85	85	83	83	2.7
TPH-E mo	ND	107	120	112	0.0	106	99	119	111	11.6
surr %rec dies.	89			90	119		96		88	
surr %rec mo				92			91		92	

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:	4/16/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/16/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/16/97	**Project:**	974002.00
Date Extracted:	4/16/97	**Matrix:**	Soil
Report Number:	0416C.QAC	**Units:**	mg/Kg
Lab Number:	2BB-SA-NW-7-30, 1D060-49		

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	32.9	132	34.7	139	5.3

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:	4/16/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/16/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/16/97	**Project:**	974002.00
Date Extracted:	4/16/97	**Matrix:**	Soil
Report Number:	0416b.QAC	**Units:**	mg/Kg
Lab Number:	2BB-4-5-10, 1D060-28		

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	35.4	142	43.7	175	21.0

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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LABORATORIES, INC.

QC DATA REPORT
TRPH
EPA Method 418.1

Date Sampled:	4/16/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/16/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/16/97	**Project:**	974002.00
Date Extracted:	4/16/97	**Matrix:**	Soil
Report Number:	0416A.QAC	**Units:**	mg/Kg
Lab Number:	2BB-SA-NE-8-20, 1D060-19		

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	23.9	96	0.0	25.3	101	27.0	108	6.5

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%

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: 4/16/97
SUPPLY SOURCE: Absolute Standards, Inc.
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

LAB LCS ID: LCS 4/16 #1 MS2

ANALYTE		MB 4/16 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	28.2	113%	85%-115%
Bromodichloromethane		ND	25	27.4	109%	85%-115%
Bromoform		ND	25	25.6	103%	85%-115%
Bromomethane		ND	25	23.5	94%	85%-115%
Carbon tetrachloride		ND	25	26.8	107%	85%-115%
Chlorobenzene		ND	25	26.4	106%	85%-115%
Chloroethane		ND	25	27.5	110%	85%-115%
Chloroform		ND	25	28.0	112%	85%-115%
Chloromethane		ND	25	27.6	111%	85%-115%
Dibromochloromethane		ND	25	26.6	106%	85%-115%
1,2-Dichlorobenzene		ND	25	27.2	109%	85%-115%
1,3-Dichlorobenzene		ND	25	26.4	105%	85%-115%
1,4-Dichlorobenzene		ND	25	27.4	109%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	30.9	123%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	28.9	115%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	28.0	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	28.2	113%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	28.2	113%	85%-115%
1,2-Dichloropropane		ND	25	28.1	112%	85%-115%
cis-1,3-Dichloropropene		ND	25	27.7	111%	85%-115%
trans-1,3-Dichloropropene		ND	25	27.7	111%	85%-115%
Ethyl benzene		ND	25	27.1	108%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	28.3	113%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	26.1	105%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	27.9	111%	85%-115%
Tetrachloroethene (PCE)		ND	25	25.8	103%	85%-115%
Toluene		ND	25	27.1	108%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	27.6	110%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	27.3	109%	85%-115%
Trichloroethene (TCE)		ND	25	26.7	107%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	21.9	88%	85%-115%
m,p-Xylenes		ND	50	53.9	108%	85%-115%
o-Xylene		ND	25	26.7	107%	85%-115%
Vinyl chloride (VC)		ND	25	23.4	93%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	109%		106%		
Toluene-d8	50	105%		105%		
4-Bromofluorobenzene	50	99%		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

Gareth Voigt
Laboratory Director

MAY 0 8 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: 4/16/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/16 #2 MS2
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/16 #2	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	27.3	109%	85%-115%
Bromodichloromethane		ND	25	27.2	109%	85%-115%
Bromoform		ND	25	25.9	103%	85%-115%
Bromomethane		ND	25	24.9	100%	85%-115%
Carbon tetrachloride		ND	25	26.0	104%	85%-115%
Chlorobenzene		ND	25	26.3	105%	85%-115%
Chloroethane		ND	25	28.8	115%	85%-115%
Chloroform		ND	25	28.4	114%	85%-115%
Chloromethane		ND	25	29.8	119%	85%-115%
Dibromochloromethane		ND	25	26.5	106%	85%-115%
1,2-Dichlorobenzene		ND	25	26.6	106%	85%-115%
1,3-Dichlorobenzene		ND	25	26.2	105%	85%-115%
1,4-Dichlorobenzene		ND	25	25.9	104%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	31.2	125%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	29.4	118%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	27.8	111%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	28.7	115%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	28.7	115%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	28.6	114%	85%-115%
1,2-Dichloropropane		ND	25	28.0	112%	85%-115%
cis-1,3-Dichloropropene		ND	25	27.0	108%	85%-115%
trans-1,3-Dichloropropene		ND	25	27.3	109%	85%-115%
Ethyl benzene		ND	25	27.1	108%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	29.2	117%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	25.9	103%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	27.8	111%	85%-115%
Tetrachloroethene (PCE)		ND	25	25.0	100%	85%-115%
Toluene		ND	25	27.2	109%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	27.9	112%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	27.4	109%	85%-115%
Trichloroethene (TCE)		ND	25	26.6	106%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	23.8	95%	85%-115%
m,p-Xylenes		ND	50	54.0	108%	85%-115%
o-Xylene		ND	25	26.4	105%	85%-115%
Vinyl chloride (VC)		ND	25	24.8	99%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	114%		110%		
Toluene-d8	50	107%		107%		
4-Bromofluorobenzene	50	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

Gareth Voigt
Laboratory Director

MAY 0 8 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: 4/16/97
BATCH #: 0416-3
LAB SAMPLE ID #: 1D060-43

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	127	102%	125	125	100%	2%	70%-130%	20
Chlorobenzene		ND	125	127	102%	125	125	100%	2%	70%-130%	20
Chloroform		ND	125	138	111%	125	136	109%	2%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	138	110%	125	137	110%	1%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	149	119%	125	145	116%	2%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	113	90%	125	112	90%	1%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	209	168%	125	210	168%	0%	70%-130%	20
Toluene		ND	125	131	105%	125	129	103%	2%	70%-130%	20
Trichloroethene (TCE)		ND	125	139	111%	125	136	109%	2%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	109%		110%			111%				
Toluene-d8	50	106%		107%			105%				
4-Bromofluorobenzene	50	101%		102%			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 08 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: 4/16/97
BATCH #: 0416-1
LAB SAMPLE ID #: 1D060-15

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	113	90%	125	127	102%	12%	70%-130%	20
Chlorobenzene		ND	125	114	91%	125	124	99%	8%	70%-130%	20
Chloroform		ND	125	126	101%	125	139	111%	10%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	124	99%	125	141	113%	13%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	128	102%	125	147	118%	14%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	103	82%	125	116	93%	12%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	150	120%	125	177	141%	16%	70%-130%	20
Toluene		ND	125	119	95%	125	134	107%	12%	70%-130%	20
Trichloroethene (TCE)		ND	125	117	93%	125	131	105%	11%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	113%		114%			114%				
Toluene-d8	50	107%		108%			108%				
4-Bromofluorobenzene	50	98%		102%			103%				

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

Gareth Voigt
Laboratory Director

MAY 08 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: 4/16/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/16 #1 MS3
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/16 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	25.0	100%	85%-115%
Bromodichloromethane		ND	25	23.3	93%	85%-115%
Bromoform		ND	25	20.5	82%	85%-115%
Bromomethane		ND	25	19.3	77%	85%-115%
Carbon tetrachloride		ND	25	23.0	92%	85%-115%
Chlorobenzene		ND	25	24.1	96%	85%-115%
Chloroethane		ND	25	23.3	93%	85%-115%
Chloroform		ND	25	24.9	100%	85%-115%
Chloromethane		ND	25	25.3	101%	85%-115%
Dibromochloromethane		ND	25	22.4	90%	85%-115%
1,2-Dichlorobenzene		ND	25	23.5	94%	85%-115%
1,3-Dichlorobenzene		ND	25	23.9	95%	85%-115%
1,4-Dichlorobenzene		ND	25	23.6	95%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	22.4	89%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	26.4	105%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	24.0	96%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	24.5	98%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	24.7	99%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	24.9	100%	85%-115%
1,2-Dichloropropane		ND	25	24.4	98%	85%-115%
cis-1,3-Dichloropropene		ND	25	24.4	98%	85%-115%
trans-1,3-Dichloropropene		ND	25	24.3	97%	85%-115%
Ethyl benzene		ND	25	24.2	97%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	23.7	95%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	22.2	89%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	24.2	97%	85%-115%
Tetrachloroethene (PCE)		ND	25	22.2	89%	85%-115%
Toluene		ND	25	24.1	97%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	24.6	99%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	22.7	91%	85%-115%
Trichloroethene (TCE)		ND	25	23.2	93%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	19.1	76%	85%-115%
m,p-Xylenes		ND	50	49.1	98%	85%-115%
o-Xylene		ND	25	25.0	100%	85%-115%
Vinyl chloride (VC)		ND	25	20.3	81%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	103%		104%		
Toluene-d8	50	103%		104%		
4-Bromofluorobenzene	50	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

Gareth Voigt
Laboratory Director

MAY 0 8 1997
Date

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ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Project No: 974002.00

LABORATORY QA/QC REPORT FOR ORGANICS

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

DATE PERFORMED: 4/16/97
BATCH #: 0416-2
LAB SAMPLE ID #: 1D060-50

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	121	96%	125	125	100%	3%	70%-130%	20
Chlorobenzene		ND	125	113	91%	125	118	95%	4%	70%-130%	20
Chloroform		ND	125	130	104%	125	134	107%	3%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	135	108%	125	139	112%	3%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	130	104%	125	132	106%	2%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	104	83%	125	107	86%	3%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	108	86%	125	119	96%	10%	70%-130%	20
Toluene		ND	125	117	94%	125	123	99%	5%	70%-130%	20
Trichloroethene (TCE)		ND	125	112	89%	125	116	93%	4%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	107%		109%			109%				
Toluene-d8	50	106%		104%			105%				
4-Bromofluorobenzene	50	98%		98%			99%				

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

Gareth Voigt
Laboratory Director

MAY 08 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: 4/16/97

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 51 soils for 8260 (8010/8020 list) & 418.1

Time Last Samples Received

Client Issues Raised:

ONSITE Action Plan:

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CHAIN OF CUSTODY RECC ` AND ANALYSIS REQUEST

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

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

[redacted]

Date:	4-16-97
Page:	1 of 5
Laboratory:	
Lab Number:	

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

Bill to:	1
Company:	Kennedy/Jenks
Address:	2151 Michelson Dr. Suite 100
City, State ZIP	Irvine CA. 92612
Phone:	714-261-1577
Fax:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	Semivolatiles by 625/8270	418.1				No. Containers	Remarks
2BB-1-18-1	4-16-97	0819	Soil	SLS	0930	MY	10060-01				X	X				1	
2BB-1-18-4	"	0825	"	SLS	"		02				X	X				1	
2BB-1-18-10	"	0838	"	SLS	"		03				X	X				1	
2BB-1-18-15	"	0851	"	SLS	"		04				X	X				1	
2BB-1-18-20	"	0901	"	SLS	"		05				X	X				1	
2BB-1-18-25	"	0913	"	SLS	"		06				X	X				1	
2BB-4-1-1	"	1008	"	SLS	1050		07				X	X				1	
2BB-4-1-4	"	1013	"	SLS	"		08				X	X				1	
2BB-4-1-10	"	1017	"	SLS	"		09				X	X				1	
2BB-4-2-1	"	1045	"	SLS	"		10				X	X				1	
2BB-4-2-4	"	1050	"	SLS	"		11				X	X				1	
2BB-4-2-10	"	1057	"	SLS	"		12				X	X				1	

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

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

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

BOE-C6-0106272

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94 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. 92612
Phone:	714-261-1577
Fax:	

Date:	4-16-97
Page:	2 of 5
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8010/8020 by GC/HS	418.1				No. Containers	Remarks
2BB-4-3-1	4-16-97	1114	Soil	SCS	1235	MY	10060-13				X	X				1	
2BB-4-3-4	"	1119	"	SCS	"		-14				X	X				1	
2BB-4-3-10	"	1129	"	SCS	"		-15				X	X				1	
2BB-SA-NE-8-1	"	1130	"	SCS	"		-16				X	X				1	
2BB-SA-NE-8-4	"	1135	"	SCS	"		-17				X	X				1	
2BB-SA-NE-8-10	"	1140	"	SCS	"		18				X	X				1	
2BB-SA-NE-8-20	"	1145	"	SCS	"		19				X	X				1	
2BB-SA-NE-8-30	"	1150	"	SCS	"		20				X	X				1	
2BB-SA-NE-8-40	"	1200	"	SCS	"		21				X	X				1	
2BB-SA-NE-8-50	"	1210	"	SCS	"		22				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-C6-0106273

CHAIN OF CUSTODY RECO[illegible] AND ANALYSIS REQUEST

5500 Boscell Common Fremont, CA 94[illegible] Tel. (510) 490-8571 Fax. (510) 490-8572

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

[redacted]

Date:	4-16-97
Page:	3 of 5
Laboratory:	
Lab Number:	

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

Bill to:	
Company:	Kennedy / Jenks
Address:	2151 Michelson Dr. Suite 100
City, State ZIP	Irvine CA. 92612
Phone:	714-261-1577
Fax:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8010/8020 by GC/MS	418.1				No. Containers	Remarks
2BB-4-4-1	4-16-97	1254	Soil	SLS	1430	MY	10060-23				X	X				1	
2BB-4-4-4	"	1259	"	SLS	↓	↓	24				X	X				1	
2BB-4-4-10	"	1306	"	SLS			25				X	X				1	
2BB-4-5-1	"	1321	"	SLS			26				X	X				1	
2BB-4-5-4	"	1326	"	SLS			27				X	X				1	
2BB-4-5-10	"	1332	"	SLS			28				X	X				1	
2BB-SA-NE-2-1	"	1340	"	SLS			29				X	X				1	
2BB-SA-NE-2-4	"	1343	"	SLS			30				X	X				1	
2BB-SA-NE-2-10	"	1348	"	SLS			31				X	X				1	
2BB-SA-NE-2-20	"	1352	"	SLS			32				X	X				1	
2BB-SA-NE-2-30	"	1400	"	SLS			33				X	X				1	
2BB-SA-NE-2-40	"	1405	"	SLS			34				X	X				1	
2BB-SA-NE-2-50	"	1415	"	SLS	↓	↓	35				X	X				1	

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

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

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

BOE-C6-0106274

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

Date:	4-16-97
Page:	4 of 5
Laboratory:	
Lab Number:	

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

Bill to:	
Company:	Kennedy/Jenks
Address:	2151 Michelson Dr Suite 100
City, State ZIP	Irvine CA. 92612
Phone:	714-261-1577
Fax:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8020/8020 by GC/MS	418.1				No. Containers	Remarks
2BB-4-6-1	4-16-97	1355	Soil	SLS	16:20	MY	1D060-36				X	X				1	
2BB-4-6-4	"	1357	"	SLS	↓	↓	37				X	X				1	
2BB-4-6-10	"	1404	"	SLS			38				X	X				1	
2BB-6-8-1	"	1439	"	SLS			39				X	X				1	
2BB-6-8-4	"	1443	"	SLS			40				X	X				1	
2BB-6-8-10	"	1453	"	SLS			41				X	X				1	
2BB-6-8-15	"	1458	"	SLS			42				X	X				1	
2BB-6-8-20	"	1520	"	SLS			43				X	X				1	
2BB-6-8-25	"	1530	"	SLS	↓	↓	44				X	X				1	

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

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

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

BOE-C6-0106275

CHAIN OF CUSTODY RECC AND ANALYSIS REQUEST

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

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.
[redacted]

Date:	4-16-97
Page:	5 of 5
Laboratory:	
Lab Number:	

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

Project Name:	DAC
Project Number:	974002.00

Bill to:	
Company:	Kennedy / Jenks
Address:	2151 Michelson Dr. suite 100
City, State ZIP	Irvine CA. 92612
Phone:	714-261-1577
Fax:	

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8240/8020 by GC/MS	418.1				No. Containers	Remarks
2BB-SA-NW-7-1	4-16 97	1455	Soil	[illegible]	16:55	MY	10060-45				X	X				1	
2BB-SA-NW-7-4	"	1500	"	[illegible]	↓	↓	46				X	X				1	
2BB-SA-NW-7-10	"	1510	"	[illegible]	↓	↓	47				X	X				1	
2BB-SA-NW-7-20	"	1525	"	[illegible]	↓	↓	48				X	X				1	
2BB-SA-NW-7-30	"	1540	"	[illegible]	↓	↓	49				X	X				1	
2BB-SA-NW-7-40	"	1550	"	[illegible]	↓	↓	50				X	X				1	
2BB-SA-NW-7-50	"	1555	"	[illegible]	↓	↓	51				X	X				1	

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

Total Containers	
Received Intact:	
Received Cold:	
Custody Seals:	

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

BOE-C6-0106276

M

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/17/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/17/97	**Client:**	Kennedy/Jenks
Report Number:	1D061C.RPT	**Project:**	974002.00
Lab Number:	1D061	**Units Soil:**	mg/Kg
Date Reported:	4/18/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D061-47	**2BB-1-5-4**	4/17/97	4/17/97	ND	1	Soil
1D061-48	**2BB-1-5-10**	4/17/97	4/17/97	ND	1	Soil
1D061-49	**2BB-1-5-20**	4/17/97	4/17/97	ND	1	Soil
1D061-50	**2BB-1-5-30**	4/17/97	4/17/97	ND	1	Soil
1D061-51	**2BB-1-5-40**	4/17/97	4/17/97	ND	1	Soil
1D061-52	**2BB-1-5-50**	4/17/97	4/17/97	ND	1	Soil
1D061-53	**2BB-6-13-1**	4/17/97	4/17/97	ND	1	Soil
1D061-54	**2BB-6-13-4**	4/17/97	4/17/97	ND	1	Soil
1D061-55	**2BB-6-13-10**	4/17/97	4/17/97	ND	1	Soil
1D061-56	**2BB-6-13-15**	4/17/97	4/17/97	ND	1	Soil
1D061-57	**2BB-6-13-20**	4/17/97	4/17/97	ND	1	Soil
1D061-58	**2BB-6-13-25**	4/17/97	4/17/97	**18**	1	Soil
1D061-59	**2B-1-6-1**	4/17/97	4/17/97	ND	1	Soil
1D061-60	**2B-1-6-4**	4/17/97	4/17/97	ND	1	Soil
1D061-61	**2B-1-6-10**	4/17/97	4/17/97	ND	1	Soil
1D061-62	**2B-1-6-20**	4/17/97	4/17/97	ND	1	Soil
1D061-63	**2B-1-6-30**	4/17/97	4/17/97	ND	1	Soil
1D061-64	**2B-1-6-40**	4/17/97	4/17/97	ND	1	Soil
1D061-65	**2B-1-6-50**	4/17/97	4/17/97	ND	1	Soil

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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 06 1997
Date

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ONSITE
ENVIRONMENTAL LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/17/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/17/97	**Client:**	Kennedy/Jenks
Report Number:	1D061B.RPT	**Project:**	974002.00
Lab Number:	1D061	**Units Soil:**	mg/Kg
Date Reported:	4/18/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D061-24	**2BB-6-11-20**	4/17/97	4/17/97	ND	1	Soil
1D061-25	**2BB-6-11-25**	4/17/97	4/17/97	ND	1	Soil
1D061-26	**2BB-5-20-1**	4/17/97	4/17/97	**9100**	100	Soil
1D061-27	**2BB-5-20-4**	4/17/97	4/17/97	**11**	1	Soil
1D061-28	**2BB-5-20-10**	4/17/97	4/17/97	**10**	1	Soil
1D061-29	**2BB-5-20-20**	4/17/97	4/17/97	ND	1	Soil
1D061-30	**2BB-5-20-30**	4/17/97	4/17/97	**15**	1	Soil
1D061-31	**2BB-5-20-40**	4/17/97	4/17/97	ND	1	Soil
1D061-32	**2BB-5-20-50**	4/17/97	4/17/97	ND	1	Soil
1D061-33	**2BB-1-4-1**	4/17/97	4/17/97	**110**	1	Soil
1D061-34	**2BB-1-4-4**	4/17/97	4/17/97	ND	1	Soil
1D061-35	**2BB-1-4-10**	4/17/97	4/17/97	ND	1	Soil
1D061-36	**2BB-1-4-20**	4/17/97	4/17/97	**11**	1	Soil
1D061-37	**2BB-1-4-30**	4/17/97	4/17/97	ND	1	Soil
1D061-38	**2BB-1-4-40**	4/17/97	4/17/97	ND	1	Soil
1D061-39	**2BB-1-4-50**	4/17/97	4/17/97	ND	1	Soil
1D061-40	**2BB-6-12-1**	4/17/97	4/17/97	**73**	1	Soil
1D061-41	**2BB-6-12-4**	4/17/97	4/17/97	**40**	1	Soil
1D061-42	**2BB-6-12-10**	4/17/97	4/17/97	**16**	1	Soil
1D061-43	**2BB-6-12-15**	4/17/97	4/17/97	ND	1	Soil
1D061-44	**2BB-6-12-20**	4/17/97	4/17/97	ND	1	Soil
1D061-45	**2BB-6-12-25**	4/17/97	4/17/97	ND	1	Soil
1D061-46	**2BB-1-5-1**	4/17/97	4/17/97	**4300**	100	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 06 1997
Date

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ONSITE
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LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/17/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/17/97	**Client:**	Kennedy/Jenks
Report Number:	1D061A.RPT	**Project:**	974002.00
Lab Number:	1D061	**Units Soil:**	mg/Kg
Date Reported:	4/18/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D061-01	**2BB-6-9-1**	4/17/97	4/17/97	**31**	1	Soil
1D061-02	**2BB-6-9-4**	4/17/97	4/17/97	**140**	1	Soil
1D061-03	**2BB-6-9-10**	4/17/97	4/17/97	**23**	1	Soil
1D061-04	**2BB-6-9-15**	4/17/97	4/17/97	ND	1	Soil
1D061-05	**2BB-6-9-20**	4/17/97	4/17/97	ND	1	Soil
1D061-06	**2BB-6-9-25**	4/17/97	4/17/97	ND	1	Soil
1D061-07	**2BB-1A-17-1**	4/17/97	4/17/97	**7900**	100	Soil
1D061-08	**2BB-1A-17-4**	4/17/97	4/17/97	ND	1	Soil
1D061-09	**2BB-1A-17-10**	4/17/97	4/17/97	ND	1	Soil
1D061-10	**2BB-1A-17-20**	4/17/97	4/17/97	ND	1	Soil
1D061-11	**2BB-1A-17-30**	4/17/97	4/17/97	ND	1	Soil
1D061-12	**2BB-1A-17-40**	4/17/97	4/17/97	ND	1	Soil
1D061-13	**2BB-1A-17-50**	4/17/97	4/17/97	ND	1	Soil
1D061-14	**2BB-6-10-1**	4/17/97	4/17/97	**86**	1	Soil
1D061-15	**2BB-6-10-4**	4/17/97	4/17/97	**28**	1	Soil
1D061-16	**2BB-6-10-10**	4/17/97	4/17/97	ND	1	Soil
1D061-17	**2BB-6-10-15**	4/17/97	4/17/97	ND	1	Soil
1D061-18	**2BB-6-10-20**	4/17/97	4/17/97	ND	1	Soil
1D061-19	**2BB-6-10-25**	4/17/97	4/17/97	ND	1	Soil
1D061-20	**2BB-6-11-1**	4/17/97	4/17/97	**200**	1	Soil
1D061-21	**2BB-6-11-4**	4/17/97	4/17/97	**32**	1	Soil
1D061-22	**2BB-6-11-10**	4/17/97	4/17/97	ND	1	Soil
1D061-23	**2BB-6-11-15**	4/17/97	4/17/97	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 06 1997
Date

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ONSITE
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LABORATORIES, INC.

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

Date Sampled:	4/17/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/17/97	**Client:**	Kennedy/Jenks
Report Number:	1D061E.RPT	**Project:**	McDonnell Douglas
Lab Number:	1D061	**Units Soil:**	mg/Kg
Date Reported:	4/22/97		

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TPH-E Diesel	TPH-E Motor Oil	TPH-E Sur. %	TPH-E DF	Matrix
1D061-01	**2BB-6-9-1**	4/18/97	4/22/97	ND	**41***	94	1	Soil
1D061-02	**2BB-6-9-4**	4/18/97	4/22/97	ND	**110***	75	1	Soil
1D061-07	**2BB-1A-17-1**	4/18/97	4/22/97	ND	**8200***	D	10	Soil
1D061-14	**2BB-6-10-1**	4/18/97	4/21/97	ND	**58***	78	1	Soil
1D061-20	**2BB-6-11-1**	4/18/97	4/21/97	ND	**74***	83	1	Soil
1D061-21	**2BB-6-11-4**	4/18/97	4/21/97	ND	**34***	95	1	Soil
1D061-26	**2BB-5-20-1**	4/18/97	4/22/97	ND	**5900***	D	10	Soil
1D061-33	**2BB-1-4-1**	4/18/97	4/21/97	ND	**74**	91	1	Soil
1D061-40	**2BB-6-12-1**	4/18/97	4/21/97	ND	ND	89	1	Soil
1D061-41	**2BB-6-12-4**	4/18/97	4/21/97	ND	ND	81	1	Soil
1D061-46	**2BB-1-5-1**	4/18/97	4/21/97	ND	ND	84	1	Soil
Reporting Limits SOIL mg/Kg				10	10			

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

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

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

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/17/97	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D061-01	1D061-02	1D061-03	1D061-04	1D061-05	1D061-06	1D061-07
CLIENT SAMPLE ID : 2BB-			6-9-1	6-9-4	6-9-10	6-9-15	6-9-20	6-9-25	1A-17-1
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%	104%	109%	108%	105%	105%	106%	121% M
Toluene-d8	50	80%-115%	105%	103%	104%	105%	104%	105%	93%
4-Bromofluorobenzene	50	75%-125%	99%	99%	101%	99%	100%	100%	82%

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 06 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/17/97	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D061-08	1D061-09	1D061-10	1D061-11	1D061-12	1D061-13	1D061-14
CLIENT SAMPLE ID : 2BB-			1A-17-4	1A-17-10	1A-17-20	1A-17-30	1A-17-40	1A-17-50	6-10-1
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%	111%	108%	112%	113%	115%	110%	107%
Toluene-d8	50	80%-115%	107%	105%	105%	104%	105%	104%	104%
4-Bromofluorobenzene	50	75%-125%	102%	98%	98%	101%	99%	101%	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 06 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/17/97	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D061-15	1D061-16	1D061-17	1D061-18	1D061-19	1D061-20	1D061-21
CLIENT SAMPLE ID : 2BB-			6-10-4	6-10-10	6-10-15	6-10-20	6-10-25	6-11-1	6-11-4
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%	106%	107%	106%	106%	105%	115%	114%
Toluene-d8	50	80%-115%	103%	105%	104%	105%	104%	101%	104%
4-Bromofluorobenzene	50	75%-125%	97%	100%	99%	98%	98%	94%	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 06 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/17/97	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D061-22	1D061-23	1D061-24	1D061-25	1D061-26	1D061-27	1D061-28
CLIENT SAMPLE ID : 2BB-			6-11-10	6-11-15	6-11-20	6-11-25	5-20-1	5-20-4	5-20-10
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	**13**	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	**54**	ND	ND
o-Xylene		5	ND	ND	ND	ND	**21**	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%	114%	112%	114%	99%	106%	110%
Toluene-d8	50	80%-115%	104%	106%	105%	105%	92%	104%	105%
4-Bromofluorobenzene	50	75%-125%	101%	101%	100%	99%	85%	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 06 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/17/97	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D061-29	1D061-30	1D061-31	1D061-32	1D061-33	1D061-34	1D061-35
CLIENT SAMPLE ID : 2BB-			5-20-20	5-20-30	5-20-40	5-20-50	1-4-1	1-4-4	1-4-10
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	**6.5**	**14**
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND	ND	**8.1**
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	**26**	ND	ND	**7.4**
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%	104%	105%	110%	116%	113%	111%
Toluene-d8	50	80%-115%	104%	105%	104%	103%	103%	105%	105%
4-Bromofluorobenzene	50	75%-125%	97%	98%	97%	96%	94%	100%	99%

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

Gareth Voigt
Laboratory Director

MAY 06 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			4/17/97	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D061-36	1D061-37	1D061-38	1D061-39	1D061-40	1D061-41	1D061-42
CLIENT SAMPLE ID : 2BB-			1-4-20	1-4-30	1-4-40	1-4-50	6-12-1	6-12-4	6-12-10
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	**39**	**59**	**82**	**98**	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	**56**	**45**	**16**	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	**5.9**	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	**27**	**52**	**48**	**54**	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%	114%	108%	107%	107%	111%	111%	108%
Toluene-d8	50	80%-115%	107%	103%	105%	106%	104%	104%	105%
4-Bromofluorobenzene	50	75%-125%	99%	98%	100%	99%	95%	94%	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 06 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			4/17/97	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D061-43	1D061-44	1D061-45	1D061-46	1D061-47	1D061-48	1D061-49
CLIENT SAMPLE ID : 2BB-			6-12-15	6-12-20	6-12-25	1-5-1	1-5-4	1-5-10	1-5-20
EXTRACTION SOLVENT									
EXTRACTION METHOD									
DILUTION FACTOR			1	1	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND	ND	**5.8**	**27**
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	**9.4**
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%	104%	109%	110%	111%	110%	111%
Toluene-d8	50	80%-115%	104%	105%	105%	106%	105%	103%	104%
4-Bromofluorobenzene	50	75%-125%	98%	98%	98%	95%	100%	99%	99%

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

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/17/97	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D061-50	1D061-51	1D061-52	1D061-53	1D061-54	1D061-55	1D061-56
CLIENT SAMPLE ID : 2BB-			1-5-30	1-5-40	1-5-50	6-13-1	6-13-4	6-13-10	6-13-15
EXTRACTION SOLVENT									
EXTRACTION METHOD									
DILUTION FACTOR			1	1	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	**44**	**180**	**25**	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	**12**	**33**	**11**	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%	112%	111%	115%	118%	115%	115%	114%
Toluene-d8	50	80%-115%	106%	106%	104%	103%	106%	107%	107%
4-Bromofluorobenzene	50	75%-125%	99%	99%	99%	94%	99%	99%	99%

Notes :

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

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97	4/17/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D061-57	1D061-58	1D061-59	1D061-60	1D061-61	1D061-62	1D061-63
		CLIENT SAMPLE ID : 2BB-	6-13-20	6-13-25	1-6-1	1-6-4	1-6-10	1-6-20	1-6-30
		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	**110**	**34**	**13**	**140**	**300**
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	**5.5**	ND	ND	**21**	**89**
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%	118%	113%	111%	92%	105%	107%	106%
Toluene-d8	50	80%-115%	106%	105%	104%	106%	104%	105%	105%
4-Bromofluorobenzene	50	75%-125%	99%	100%	98%	100%	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

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/17/97	4/17/97
		DATE EXTRACTED	N/A	N/A
		LAB SAMPLE ID	1D061-64	1D061-65
		CLIENT SAMPLE ID : 2BB-	1-6-40	1-6-50
		EXTRACTION SOLVENT		
		EXTRACTION METHOD		
		DILUTION FACTOR	2.5	1
COMPOUND		CRDL		
Benzene		5	ND	ND
Bromodichloromethane		5	ND	ND
Bromoform		5	ND	ND
Bromomethane		5	ND	ND
Carbon tetrachloride		5	ND	ND
Chlorobenzene		5	ND	ND
Chloroethane		5	ND	ND
Chloroform		5	ND	ND
Chloromethane		5	ND	ND
Dibromochloromethane		5	ND	ND
1,2-Dichlorobenzene		5	ND	ND
1,3-Dichlorobenzene		5	ND	ND
1,4-Dichlorobenzene		5	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	**E900**	**160**
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	**6.1**	ND
1,2-Dichloropropane		5	ND	ND
cis-1,3-Dichloropropene		5	ND	ND
trans-1,3-Dichloropropene		5	ND	ND
Ethyl benzene		5	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND
Tetrachloroethene (PCE)		5	ND	ND
Toluene		5	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	**9.1**	**15**
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND
Trichloroethene (TCE)		5	**200**	**95**
Trichlorofluoromethane (Freon 11)		5	ND	ND
m,p-Xylenes		5	ND	ND
o-Xylene		5	ND	ND
Vinyl chloride (VC)		5	ND	ND
TPH as gasoline		1000	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC
Dibromofluoromethane	50	75%-120%	109%	109%
Toluene-d8	50	80%-115%	104%	105%
4-Bromofluorobenzene	50	75%-125%	98%	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
E- Exceeds calibration range
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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QC DATA REPORT
TRPH
EPA Method 418.1

Date Sampled:	4/16/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/17/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/17/97	**Project:**	974002.00
Date Extracted:	4/17/97	**Matrix:**	Soil
Report Number:	0417A.QAC	**Units:**	mg/Kg
Lab Number:	2BB-1A-17-30, 1D061-11		

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	23.9	96	0.0	25.3	101	26.7	107	5.4

DEFINITION OF TERMS:

D - Analytes not detected at, or above the reporting limit
IS - 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:	4/16/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/17/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/17/97	**Project:**	974002.00
Date Extracted:	4/17/97	**Matrix:**	Soil
Report Number:	0417B.QAC	**Units:**	mg/Kg
Lab Number:	2BB-5-20-30, 1D061-30		

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	22.9	92	14.5	42.0	110	37.5	92	11.3

DEFINITION OF TERMS:

D - Analytes not detected at, or above the reporting limit
S - 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:	4/16/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/17/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/17/97	**Project:**	974002.00
Date Extracted:	4/17/97	**Matrix:**	Soil
Report Number:	0417C.QAC	**Units:**	mg/Kg
Lab Number:	2BB-1-5-30, 1D061-50		

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	27.4	110	0.0	22.2	89	23.2	93	4.4

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:	4/16/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/17/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/17/97	**Project:**	974002.00
Date Extracted:	4/17/97	**Matrix:**	Soil
Report Number:	0417D.QAC	**Units:**	mg/Kg
Lab Number:	2BB-1-6-50. 1D061-65		

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	24.3	97	0.0	21.8	87	23.2	93	6.2

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:	4/2/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/2/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/20/97	**Project:**	974002.00
Date Extracted:	4/18/97	**Matrix:**	Soil
Report Number:	0417SD.QAC	**Units:**	mg/Kg
Lab Number:	DIESEL: 2BB-SA-NE-8-50, 1D060-22 MOTOR OIL: 2BB-6-12-4, 1D061-41		

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	89.4	89	0.0	83.6	84	83.0	83	1
TPH-E mo	ND	107	119	111	0.0	129	121	140	131	8.2
surr %rec dies.	103			91	79		83		81	
surr %rec mo				92	81		76		84	

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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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: 4/17/97
SUPPLY SOURCE: Absolute Standards, Inc.
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

LAB LCS ID: LCS 4/17 #1 MS2

ANALYTE		MB 4/17 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	26.6	106%	85%-115%
Bromodichloromethane		ND	25	26.2	105%	85%-115%
Bromoform		ND	25	26.5	106%	85%-115%
Bromomethane		ND	25	22.6	90%	85%-115%
Carbon tetrachloride		ND	25	24.9	100%	85%-115%
Chlorobenzene		ND	25	25.3	101%	85%-115%
Chloroethane		ND	25	26.2	105%	85%-115%
Chloroform		ND	25	26.8	107%	85%-115%
Chloromethane		ND	25	26.6	106%	85%-115%
Dibromochloromethane		ND	25	25.8	103%	85%-115%
1,2-Dichlorobenzene		ND	25	25.6	102%	85%-115%
1,3-Dichlorobenzene		ND	25	24.9	99%	85%-115%
1,4-Dichlorobenzene		ND	25	25.8	103%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	28.7	115%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	27.2	109%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	27.3	109%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	26.9	108%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	27.6	110%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	26.8	107%	85%-115%
1,2-Dichloropropane		ND	25	27.4	110%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.9	108%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.9	107%	85%-115%
Ethyl benzene		ND	25	25.6	102%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	27.9	112%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	25.2	101%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	28.8	115%	85%-115%
Tetrachloroethene (PCE)		ND	25	24.3	97%	85%-115%
Toluene		ND	25	26.0	104%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	26.1	104%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	28.2	113%	85%-115%
Trichloroethene (TCE)		ND	25	25.8	103%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	21.7	87%	85%-115%
m,p-Xylenes		ND	50	51.3	103%	85%-115%
o-Xylene		ND	25	26.2	105%	85%-115%
Vinyl chloride (VC)		ND	25	22.5	90%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	111%		106%		
Toluene-d8	50	104%		105%		
4-Bromofluorobenzene	50	99%		101%		

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

Gareth Voigt
Laboratory Director

MAY 0 6 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: 4/17/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/17 #2 MS2
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/17 #2	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	26.5	106%	85%-115%
Bromodichloromethane		ND	25	25.9	103%	85%-115%
Bromoform		ND	25	25.8	103%	85%-115%
Bromomethane		ND	25	22.8	91%	85%-115%
Carbon tetrachloride		ND	25	25.4	102%	85%-115%
Chlorobenzene		ND	25	26.3	105%	85%-115%
Chloroethane		ND	25	28.4	113%	85%-115%
Chloroform		ND	25	27.6	111%	85%-115%
Chloromethane		ND	25	28.1	112%	85%-115%
Dibromochloromethane		ND	25	25.8	103%	85%-115%
1,2-Dichlorobenzene		ND	25	26.0	104%	85%-115%
1,3-Dichlorobenzene		ND	25	26.0	104%	85%-115%
1,4-Dichlorobenzene		ND	25	26.0	104%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	28.9	116%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	28.7	115%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	26.4	106%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	28.1	113%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	28.9	116%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	27.9	111%	85%-115%
1,2-Dichloropropane		ND	25	27.6	110%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.7	107%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.0	104%	85%-115%
Ethyl benzene		ND	25	26.8	107%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	28.3	113%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	25.6	102%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	27.8	111%	85%-115%
Tetrachloroethene (PCE)		ND	25	25.2	101%	85%-115%
Toluene		ND	25	26.5	106%	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	26.1	104%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	22.0	88%	85%-115%
m,p-Xylenes		ND	50	53.5	107%	85%-115%
o-Xylene		ND	25	27.1	108%	85%-115%
Vinyl chloride (VC)		ND	25	23.1	92%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	112%		108%		
Toluene-d8	50	107%		105%		
4-Bromofluorobenzene	50	101%		101%		

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

Gareth Voigt
Laboratory Director

MAY 0 6 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: 4/17/97
BATCH #: 0417-3
LAB SAMPLE ID #: 1D061-58

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	126	101%	125	126	101%	1%	70%-130%	20
Chlorobenzene		ND	125	128	102%	125	130	104%	2%	70%-130%	20
Chloroform		ND	125	138	110%	125	142	114%	3%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	141	113%	125	144	115%	2%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	138	110%	125	140	112%	1%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	112	90%	125	114	91%	2%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	148	118%	125	158	126%	7%	70%-130%	20
Toluene		ND	125	130	104%	125	133	106%	2%	70%-130%	20
Trichloroethene (TCE)		ND	125	125	100%	125	128	102%	2%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	113%		114%			115%				
Toluene-d8	50	105%		107%			105%				
4-Bromofluorobenzene	50	100%		103%			102%				

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

Gareth Voigt
Laboratory Director

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Date

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LABORATORY QA/QC REPORT FOR ORGANICS

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

DATE PERFORMED: 4/17/97
BATCH #: 0417-1
LAB SAMPLE ID #: 1D061-36

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	127	102%	125	124	99%	2%	70%-130%	20
Chlorobenzene		ND	125	123	98%	125	122	98%	1%	70%-130%	20
Chloroform		ND	125	138	110%	125	136	109%	2%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	142	114%	125	139	111%	2%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	148	118%	125	138	110%	7%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		39.3	125	144	84%	125	131	73%	9%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	189	151%	125	191	153%	1%	70%-130%	20
Toluene		ND	125	131	105%	125	127	102%	3%	70%-130%	20
Trichloroethene (TCE)		26.8	125	153	101%	125	148	97%	3%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	114%		115%			111%				
Toluene-d8	50	107%		107%			107%				
4-Bromofluorobenzene	50	99%		103%			101%				

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

Gareth Voigt
Laboratory Director

MAY 06 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: 4/17/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/17 #1 MS3
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/17 #1	SP KE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	28.3	113%	85%-115%
Bromodichloromethane		ND	25	26.8	107%	85%-115%
Bromoform		ND	25	23.6	94%	85%-115%
Bromomethane		ND	25	21.5	86%	85%-115%
Carbon tetrachloride		ND	25	26.6	106%	85%-115%
Chlorobenzene		ND	25	27.6	110%	85%-115%
Chloroethane		ND	25	27.8	111%	85%-115%
Chloroform		ND	25	29.3	117%	85%-115%
Chloromethane		ND	25	28.7	115%	85%-115%
Dibromochloromethane		ND	25	25.8	103%	85%-115%
1,2-Dichlorobenzene		ND	25	27.1	109%	85%-115%
1,3-Dichlorobenzene		ND	25	27.3	109%	85%-115%
1,4-Dichlorobenzene		ND	25	27.3	109%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	25.7	103%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	30.7	123%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	28.2	113%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	28.9	116%	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	29.1	116%	85%-115%
1,2-Dichloropropane		ND	25	27.9	112%	85%-115%
cis-1,3-Dichloropropene		ND	25	28.0	112%	85%-115%
trans-1,3-Dichloropropene		ND	25	27.8	111%	85%-115%
Ethyl benzene		ND	25	27.2	109%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	27.7	111%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	25.3	101%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	29.2	117%	85%-115%
Tetrachloroethene (PCE)		ND	25	24.8	99%	85%-115%
Toluene		ND	25	27.7	111%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	29.3	117%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	26.8	107%	85%-115%
Trichloroethene (TCE)		ND	25	26.6	106%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	22.7	91%	85%-115%
m,p-Xylenes		ND	50	55.9	112%	85%-115%
o-Xylene		ND	25	28.5	114%	85%-115%
Vinyl chloride (VC)		ND	25	23.8	95%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	106%		106%		
Toluene-d8	50	104%		104%		
4-Bromofluorobenzene	50	99%		101%		

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

Gareth Voigt
Laboratory Director

MAY 06 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: 4/17/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/17 #2 MS3
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/17 #2	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	26.6	106%	85%-115%
Bromodichloromethane		ND	25	25.9	104%	85%-115%
Bromoform		ND	25	22.3	89%	85%-115%
Bromomethane		ND	25	20.0	80%	85%-115%
Carbon tetrachloride		ND	25	25.3	101%	85%-115%
Chlorobenzene		ND	25	25.1	100%	85%-115%
Chloroethane		ND	25	25.6	103%	85%-115%
Chloroform		ND	25	27.3	109%	85%-115%
Chloromethane		ND	25	26.3	105%	85%-115%
Dibromochloromethane		ND	25	24.1	96%	85%-115%
1,2-Dichlorobenzene		ND	25	25.2	101%	85%-115%
1,3-Dichlorobenzene		ND	25	25.3	101%	85%-115%
1,4-Dichlorobenzene		ND	25	25.0	100%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	23.3	93%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	28.9	116%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	27.6	110%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	26.7	107%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	26.7	107%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	26.8	107%	85%-115%
1,2-Dichloropropane		ND	25	27.3	109%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.6	106%	85%-115%
trans-1,3-Dichloropropene		ND	25	27.0	108%	85%-115%
Ethyl benzene		ND	25	24.8	99%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	26.0	104%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	23.2	93%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	28.3	113%	85%-115%
Tetrachloroethene (PCE)		ND	25	22.8	91%	85%-115%
Toluene		ND	25	25.8	103%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	27.6	110%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	25.9	103%	85%-115%
Trichloroethene (TCE)		ND	25	25.1	100%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	20.0	80%	85%-115%
m,p-Xylenes		ND	50	50.3	101%	85%-115%
o-Xylene		ND	25	25.9	104%	85%-115%
Vinyl chloride (VC)		ND	25	20.7	83%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	107%		107%		
Toluene-d8	50	104%		105%		
4-Bromofluorobenzene	50	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

Gareth Voigt
Laboratory Director

MAY 06 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: 4/17/97
BATCH #: 0417-2
LAB SAMPLE ID #: 1D061-37

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	138	111%	125	136	109%	2%	70%-130%	20
Chlorobenzene		ND	125	128	103%	125	127	101%	1%	70%-130%	20
Chloroform		ND	125	148	118%	125	146	117%	1%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	156	125%	125	154	123%	1%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	147	117%	125	143	114%	3%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		58.9	125	170	89%	125	158	79%	7%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	144	115%	125	135	108%	6%	70%-130%	20
Toluene		ND	125	134	107%	125	132	106%	2%	70%-130%	20
Trichloroethene (TCE)		51.7	125	176	99%	125	160	87%	9%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	108%		108%			109%				
Toluene-d8	50	103%		104%			104%				
4-Bromofluorobenzene	50	98%		96%			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 6 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: 4/17/97
BATCH #: 0417-4
LAB SAMPLE ID #: 1D061-62

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	125	100%	125	134	107%	7%	70%-130%	20
Chlorobenzene		ND	125	114	92%	125	124	99%	8%	70%-130%	20
Chloroform		ND	125	136	109%	125	145	116%	7%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	143	114%	125	153	122%	7%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	133	106%	125	145	116%	8%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		144.5	125	211	53%	125	185	32%	13%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	174	139%	125	188	150%	8%	70%-130%	20
Toluene		ND	125	123	99%	125	133	106%	7%	70%-130%	20
Trichloroethene (TCE)		20.7	125	144	99%	125	152	105%	5%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	107%		106%			107%				
Toluene-d8	50	105%		105%			106%				
4-Bromofluorobenzene	50	99%		96%			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 06 1997
Date

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ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Daily Project Report

(To be kept with the daily project data files)

Project: Kennedy/Jenks DAC

Date: 4/17/97

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 65 soils for 8260 (8010/8020 list) & 418.1

Time Last Samples Received

Client Issues Raised:

ONSITE Action Plan:

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

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

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

Bill to:	
Company:	Kennedy / Jenks
Address:	2151 Michelson Dr. Suite 100
City, State ZIP	Irvine CA. 92612
Phone:	714-261-1577
Fax:	

Date:	4-17-97
Page:	1 of 65
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	97400.2.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	Soxhlet by EPA 4168.1					No. Containers	Remarks
2BB-6-9-1	4-17-97	0834	Soil	SCS	0840	MY	10061-01				X	X				1	
2BB-6-9-4	"	0839	"	"	"		02				X	X				1	
2BB-6-9-10	"	0847	"	"	"		03				X	X				1	
2BB-6-9-15	"	0850	"	"	"		04				X	X				1	
2BB-6-9-20	"	0857	"	"	"		05				X	X				1	
2BB-6-9-25	"	0907	"	"	"		06				X	X				1	
2BB-1A-17-1	"	0825	"	"	0830		07				X	X				1	
2BB-1A-17-4	"	0830	"	"	"		08				X	X				1	
2BB-1A-17-10	"	0835	"	"	"		09				X	X				1	
2BB-1A-17-20	"	0845	"	"	"		10				X	X				1	
2BB-1A-17-30	"	0850	"	"	"		11				X	X				1	
2BB-1A-17-40	"	0855	"	"	"		12				X	X				1	
2BB-1A-17-50	"	0900	"	"	"		13				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-C6-0106305

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94[illegible] 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. 92612
Phone:	714-261-1577
Fax:	

Date:	4-17-97
Page:	2 of ~~5~~ 4
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	Sodium by 6010/MS	418.1				No. Containers	Remarks
2BB-6-10-1	4-17-97	0940	soil	SLS	1030	MY	1D061-14				X	X				1	
2BB-6-10-4	"	0950	"	"	"		15				X	X				1	
2BB-6-10-10	"	0955	"	"	"		16				X	X				1	
2BB-6-10-15	"	1000	"	"	"		17				X	X				1	
2BB-6-10-20	"	1005	"	"	"		18				X	X				1	
2BB-6-10-25	"	1011	"	"	"		19				X	X				1	
2BB-6-11-1	"	1035	"	"	1115		20				X	X				1	
2BB-6-11-4	"	1039	"	"	"		21				X	X				1	
2BB-6-11-10	"	1046	"	"	"		22				X	X				1	
2BB-6-11-15	"	1050	"	"	"		23				X	X				1	
2BB-6-11-20	"	1100	"	"	"		24				X	X				1	
2BB-6-11-25	"	1109	"	"	"		25				X	X				1	

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

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

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

BOE-C6-0106306

CHAIN OF CUSTODY REC[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. 92612
Phone:	714-261-1577
Fax:	

Date:	4-17-97
Page:	3 of 5 MY
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	Cd/Pb/Zn by GC/MS	418.1				No. Containers	Remarks
2BB-5-20-1	4-17-97	1015	Soil	SS	1150	MY	10061-26				X	X				1	
2BB-5-20-4	"	1020	"	"	"		27				X	X				1	
2BB-5-20-10	"	1025	"	"	"		28				X	X				1	
2BB-5-20-20	"	1030	"	"	"		29				X	X				1	
2BB-5-20-30	"	1045	"	"	"		30				X	X				1	
2BB-5-20-40	"	1055	"	"	"		31				X	X				1	
2BB-5-20-50	"	1100	"	"	"		32				X	X				1	
2BB-1-4-1	"	1230	"	"	1325		33				X	X				1	
2BB-1-4-4	"	1235	"	"	"		34				X	X				1	
2BB-1-4-10	"	1240	"	"	"		35				X	X				1	
2BB-1-4-20	"	1245	"	"	"		36				X	X				1	
2BB-1-4-30	"	1255	"	"	"		37				X	X				1	
2BB-1-4-40	"	1300	"	"	"		38				X	X				1	
2BB-1-4-50	"	1310	"	"	"		39				X	X				1	

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

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

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

BOE-C6-0106307

CHAIN OF CUSTODY RECC ` AND ANALYSIS REQUEST

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

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

[redacted]

Date:	4-17-97
Page:	5 of 5
Laboratory:	4 5
Lab Number:	MY

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

Project Name:	DAC
Project Number:	974002.00

Bill to:	
Company:	Kennedy / Jenks
Address:	2151 Michelson Dr. Suite 100
City, State ZIP	Irvine CA. 92612
Phone:	714-261-1577
Fax:	

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8000 BTEX by GC/MS	418.1				No. Containers	Remarks
2BB-6-12-1	4-17-97	1251	Soil	SS	1500	MY	1D061-40				X	X				1	
2BB-6-12-4	"	1301	"	"	"		41				X	X				1	
2BB-6-12-10	"	1308	"	"	"		42				X	X				1	
2BB-6-12-15	"	1312	"	"	"		43				X	X				1	
2BB-6-12-20	"	1325	"	"	"		44				X	X				1	
2BB-6-12-25	"	1330	"	"	"		45				X	X				1	
2BB-1-5-1	"	1355	"	"	"		46				X	X				1	
2BB-1-5-4	"	1400	"	"	"		47				X	X				1	
2BB-1-5-10	"	1405	"	"	"		48				X	X				1	
2BB-1-5-20	"	1410	"	"	"		49				X	X				1	
2BB-1-5-30	"	1420	"	"	"		50				X	X				1	
2BB-1-5-40	"	1430	"	"	"		51				X	X				1	
2BB-1-5-50	"	1440	"	"	"		52				X	X				1	

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-C6-0106308

CHAIN OF CUSTODY REC( ) 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:	4-17-97
Page:	5 of 5
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8010/8020 by GC/MS	HSL				No. Containers	Remarks
2BB-6-13-1	4-17-97	1408	Soil	SLS	1630	MY	1D061-53				X	X				1	
2BB-6-13-4	"	1414	"	"	"		54				X	X				1	
2BB-6-13-10	"	1420	"	"	"		55				X	X				1	
2BB-6-13-15	"	1429	"	"	"		56				X	X				1	
2BB-6-13-20	"	1442	"	"	"		57				X	X				1	
2BB-6-13-25	"	1502	"	"	"		58				X	X				1	
2BB-1-6-1	"	1520	"	"	"		59				X	X				1	
2BB-1-6-4	"	1525	"	"	"		60				X	X				1	
2BB-1-6-10	"	1530	"	"	"		61				X	X				1	
2BB-1-6-20	"	1535	"	"	"		62				X	X				1	
2BB-1-6-30	"	1545	"	"	"		63				X	X				1	
2BB-1-6-40	"	1550	"	"	"		64				X	X				1	
2BB-1-6-50	"	1600	"	"	"		65				X	X				1	

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

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

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

BOE-C6-0106309

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/18/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/18/97	**Client:**	Kennedy/Jenks
Report Number:	1D062A.RPT	**Project:**	974002.00
Lab Number:	1D062	**Units Soil:**	mg/Kg
Date Reported:	4/21/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D062-01	**2BB-1-23-1**	4/18/97	4/18/97	ND	1	Soil
1D062-02	**2BB-1-23-4**	4/18/97	4/18/97	ND	1	Soil
1D062-03	**2BB-1-23-10**	4/18/97	4/18/97	ND	1	Soil
1D062-04	**2BB-1-23-20**	4/18/97	4/18/97	ND	1	Soil
1D062-05	**2BB-1-23-30**	4/18/97	4/18/97	ND	1	Soil
1D062-06	**2BB-1-23-40**	4/18/97	4/18/97	ND	1	Soil
1D062-07	**2BB-1-23-50**	4/18/97	4/18/97	ND	1	Soil
1D062-08	**2BB-6-14-1**	4/18/97	4/18/97	**28**	1	Soil
1D062-09	**2BB-6-14-4**	4/18/97	4/18/97	**30**	1	Soil
1D062-10	**2BB-6-14-10**	4/18/97	4/18/97	**28**	1	Soil
1D062-11	**2BB-6-14-15**	4/18/97	4/18/97	ND	1	Soil
1D062-12	**2BB-6-14-21**	4/18/97	4/18/97	ND	1	Soil
1D062-13	**2BB-6-14-25**	4/18/97	4/18/97	ND	1	Soil
1D062-14	**2BB-6-15-1**	4/18/97	4/18/97	**27**	1	Soil
1D062-15	**2BB-6-15-4**	4/18/97	4/18/97	**17**	1	Soil
1D062-16	**2BB-6-15-10**	4/18/97	4/18/97	ND	1	Soil
1D062-17	**2BB-6-15-15**	4/18/97	4/18/97	ND	1	Soil
1D062-18	**2BB-6-15-20**	4/18/97	4/18/97	ND	1	Soil
1D062-19	**2BB-6-15-25**	4/18/97	4/18/97	ND	1	Soil
1D062-20	**2BB-1-24-1**	4/18/97	4/18/97	ND	1	Soil
1D062-21	**2BB-1-24-4**	4/18/97	4/18/97	ND	1	Soil
1D062-22	**2BB-1-24-10**	4/18/97	4/18/97	ND	1	Soil
1D062-23	**2BB-1-24-20**	4/18/97	4/18/97	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 08 1997
Date

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ONSITE
ENVIRONMENTAL LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/18/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/18/97	**Client:**	Kennedy/Jenks
Report Number:	1D062b.RPT	**Project:**	974002.00
Lab Number:	1D062	**Units Soil:**	mg/Kg
Date Reported:	4/21/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D062-24	2BB-1-24-30	4/18/97	4/18/97	ND	1	Soil
1D062-25	2BB-1-24-40	4/18/97	4/18/97	ND	1	Soil
1D062-26	2BB-1-24-50	4/18/97	4/18/97	ND	1	Soil
1D062-27	2BB-1-25-1	4/18/97	4/18/97	ND	1	Soil
1D062-28	2BB-1-25-4	4/18/97	4/18/97	ND	1	Soil
1D062-29	2BB-1-25-10	4/18/97	4/18/97	ND	1	Soil
1D062-30	2BB-1-25-20	4/18/97	4/18/97	ND	1	Soil
1D062-31	2BB-1-25-30	4/18/97	4/18/97	ND	1	Soil
1D062-32	2BB-1-25-40	4/18/97	4/18/97	ND	1	Soil
1D062-33	2BB-1-25-50	4/18/97	4/18/97	18	1	Soil
1D062-34	2BB-6-16-1	4/18/97	4/18/97	ND	1	Soil
1D062-35	2BB-6-16-4	4/18/97	4/18/97	19	1	Soil
1D062-36	2BB-6-16-10	4/18/97	4/18/97	ND	1	Soil
1D062-37	2BB-6-16-15	4/18/97	4/18/97	ND	1	Soil
1D062-38	2BB-6-16-20	4/18/97	4/18/97	ND	1	Soil
1D062-39	2BB-6-16-25	4/18/97	4/18/97	ND	1	Soil
1D062-40	2BB-5-2-1	4/18/97	4/18/97	15	1	Soil
1D062-41	2BB-5-2-4	4/18/97	4/18/97	ND	1	Soil
1D062-42	2BB-5-2-10	4/18/97	4/18/97	ND	1	Soil
1D062-43	2BB-5-6-1	4/18/97	4/18/97	ND	1	Soil
1D062-44	2BB-5-6-4	4/18/97	4/18/97	ND	1	Soil
1D062-45	2BB-5-6-10	4/18/97	4/18/97	ND	1	Soil
1D062-46	2BB-5-7-1	4/18/97	4/18/97	ND	1	Soil
1D062-47	2BB-5-7-4	4/18/97	4/18/97	ND	1	Soil
1D062-48	2BB-5-7-10	4/18/97	4/18/97	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 08 1997
Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

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

Date Sampled: 4/18/97
Date Received: 4/18/97
Report Number: 1D062E.RPT
Lab Number: 1D062
Date Reported: 4/23/97

Proj Mgr: Rus Purcell
Client: Kennedy/Jenks
Project: McDonnell Douglas
Units Soil: mg/Kg

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TPH-E Diesel	TPH-E Motor Oil	TPH-E Sur. %	TPH-E DF	Matrix
1D062-09	**2BB-6-14-4**	4/22/97	4/22/97	ND	ND	87	1	Soil
Reporting Limits SOIL mg/Kg				10	10			

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

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

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

Gareth Voigt
Laboratory Director

MAY 0 8 1997
Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/18/97	4/18/97	4/18/97	4/18/97	4/18/97	4/18/97	4/18/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D062-01	1D062-02	1D062-03	1D062-04	1D062-05	1D062-06	1D062-07
CLIENT SAMPLE ID : 2BB-			1-23-1	1-23-4	1-23-10	1-23-20	1-23-30	1-23-40	1-23-50
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	**25**	**20**	**16**	**80**	**22**
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	**11**	**7.8**
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%	103%	110%	111%	114%	115%	105%	106%
Toluene-d8	50	80%-115%	105%	105%	103%	105%	105%	107%	105%
4-Bromofluorobenzene	50	75%-125%	95%	101%	97%	99%	99%	99%	100%

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

Gareth Voigt
Laboratory Director

MAY 0 8 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/18/97	4/18/97	4/18/97	4/18/97	4/18/97	4/18/97	4/18/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D062-08	1D062-09	1D062-10	1D062-11	1D062-12	1D062-13	1D062-14
CLIENT SAMPLE ID : 2BB-			6-14-1	6-14-4	6-14-10	6-14-15	6-14-21	6-14-25	6-15-1
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%	106%	108%	107%	107%	109%	106%	112%
Toluene-d8	50	80%-115%	104%	104%	105%	105%	105%	104%	105%
4-Bromofluorobenzene	50	75%-125%	99%	97%	97%	98%	98%	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
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

MAY 0 8 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			4/18/97	4/18/97	4/18/97	4/18/97	4/18/97	4/18/97	4/18/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D062-15	1D062-16	1D062-17	1D062-18	1D062-19	1D062-20	1D062-21
CLIENT SAMPLE ID : 2BB-			6-15-4	6-15-10	6-15-15	6-15-20	6-15-25	1-24-1	1-24-4
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%	117%	103%	118%	117%	119%	114%	115%
Toluene-d8	50	80%-115%	107%	106%	105%	106%	107%	106%	106%
4-Bromofluorobenzene	50	75%-125%	106%	98%	100%	98%	98%	96%	99%

Notes :

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

Gareth Voigt
Laboratory Director

MAY 0 8 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/18/97	4/18/97	4/18/97	4/18/97	4/18/97	4/18/97	4/18/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D062-22	1D062-23	1D062-24	1D062-25	1D062-26	1D062-27	1D062-28
CLIENT SAMPLE ID : 2BB-			1-24-10	1-24-20	1-24-30	1-24-40	1-24-50	1-25-1	1-25-4
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	**15**	**12**	**13**	**14**	**7.5**	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%	116%	119%	120%	117%	119%	108%	109%
Toluene-d8	50	80%-115%	106%	105%	105%	105%	104%	104%	105%
4-Bromofluorobenzene	50	75%-125%	98%	99%	99%	98%	99%	96%	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 8 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/18/97	4/18/97	4/18/97	4/18/97	4/18/97	4/18/97	4/18/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D062-29	1D062-30	1D062-31	1D062-32	1D062-33	1D062-34	1D062-35
CLIENT SAMPLE ID : 2BB-			1-25-10	1-25-20	1-25-30	1-25-40	1-25-50	6-16-1	6-16-4
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	**8.3**	**5.5**	**6.7**	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	**6.7**	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%	111%	111%	111%	110%	111%	117%	115%
Toluene-d8	50	80%-115%	104%	105%	105%	104%	104%	105%	106%
4-Bromofluorobenzene	50	75%-125%	97%	99%	98%	97%	97%	95%	100%

Notes :

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

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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	4/18/97	4/18/97	4/18/97	4/18/97	4/18/97	4/18/97	4/18/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D062-36	1D062-37	1D062-38	1D062-39	1D062-40	1D062-41	1D062-42
		CLIENT SAMPLE ID : 2BB-	6-16-10	6-16-15	6-16-20	6-16-25	5-2-1	5-2-4	5-2-10
		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%	117%	117%	120%	118%	113%	111%	110%
Toluene-d8	50	80%-115%	107%	106%	106%	107%	103%	104%	106%
4-Bromofluorobenzene	50	75%-125%	97%	97%	98%	96%	93%	94%	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 8 1997
Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/18/97	4/18/97	4/18/97	4/18/97	4/18/97	4/18/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D062-43	1D062-44	1D062-45	1D062-46	1D062-47	1D062-48
CLIENT SAMPLE ID : 2BB-			5-6-1	5-6-4	5-6-10	5-7-1	5-7-4	5-7-10
EXTRACTION SOLVENT								
EXTRACTION METHOD								
DILUTION FACTOR			1	1	1	1	1	1
COMPOUND		CRDL						
Benzene		5	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	108%	116%	111%	112%	112%	116%
Toluene-d8	50	80%-115%	104%	106%	104%	105%	104%	104%
4-Bromofluorobenzene	50	75%-125%	98%	95%	99%	96%	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

Gareth Voigt
Laboratory Director

MAY 0 8 1997
Date

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QC DATA REPORT
TPH-E
EPA Method 8015 Modified

Date Analyzed:	4/22/97, 4/23/97	**Proj Mgr:**	Rus Purcell
Date Extracted:	4/22/97	**Client:**	Kennedy/Jenks
Report Number:	0422SD.QAC	**Project:**	974002.00
Lab Number:	DIESEL: 2BB-6-14-4, 1D062-09	**Matrix:**	Soil
	MOTOR OIL: 2BB-1-26-50, 1D063-07	**Units:**	mg/Kg

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	105	105	0.0	81.6	82	80.5	81	1.4
TPH-E mo	ND	107	109	102	0.0	115	107	133	124	14.5
surr %rec dies	99			95	87		83		86	
surr %rec mo				87	108		90		102	

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:	4/16/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/18/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/18/97	**Project:**	974002.00
Date Extracted:	4/18/97	**Matrix:**	Soil
Report Number:	0418C.QAC	**Units:**	mg/Kg
Lab Number:	2BB-5-7-10. 1D062-48		

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	27.0	108	0.0	22.9	92	25.6	102	11.1

DEFINITION OF TERMS:

) - Analytes not detected at, or above the reporting limit
S - 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:	4/16/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/18/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/18/97	**Project:**	974002.00
Date Extracted:	4/18/97	**Matrix:**	Soil
Report Number:	0418B.QAC	**Units:**	mg/Kg
Lab Number:	2BB-1-25-50, 1D062-33		

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	25.0	100	18.0	32.2	57	34.0	64	5.4

DEFINITION OF TERMS:

- Analytes not detected at, or above the reporting limit
- 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:	4/16/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/18/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/18/97	**Project:**	974002.00
Date Extracted:	4/18/97	**Matrix:**	Soil
Report Number:	0418A.QAC	**Units:**	mg/Kg
Lab Number:	2BB-6-15-25, 1D062-19		

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	23.6	94	0.0	26.3	105	25.6	102	2.7

DEFINITION OF TERMS:

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

LABORATORY QC CRITERIA

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

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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: 4/18/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/18 #1 MS2
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/18 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	27.2	109%	85%-115%
Bromodichloromethane		ND	25	26.1	104%	85%-115%
Bromoform		ND	25	25.4	101%	85%-115%
Bromomethane		ND	25	23.6	94%	85%-115%
Carbon tetrachloride		ND	25	25.8	103%	85%-115%
Chlorobenzene		ND	25	26.3	105%	85%-115%
Chloroethane		ND	25	29.2	117%	85%-115%
Chloroform		ND	25	27.9	111%	85%-115%
Chloromethane		ND	25	28.0	112%	85%-115%
Dibromochloromethane		ND	25	25.8	103%	85%-115%
1,2-Dichlorobenzene		ND	25	26.8	107%	85%-115%
1,3-Dichlorobenzene		ND	25	26.5	106%	85%-115%
1,4-Dichlorobenzene		ND	25	26.4	106%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	29.1	116%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	28.8	115%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	26.5	106%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	28.6	114%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	28.8	115%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	28.2	113%	85%-115%
1,2-Dichloropropane		ND	25	28.1	112%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.6	106%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.5	106%	85%-115%
Ethyl benzene		ND	25	27.1	109%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	28.4	113%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	25.9	104%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	28.1	112%	85%-115%
Tetrachloroethene (PCE)		ND	25	24.9	100%	85%-115%
Toluene		ND	25	27.3	109%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	27.4	109%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	26.7	107%	85%-115%
Trichloroethene (TCE)		ND	25	26.4	106%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	22.1	89%	85%-115%
m,p-Xylenes		ND	50	54.8	110%	85%-115%
o-Xylene		ND	25	27.3	109%	85%-115%
Vinyl chloride (VC)		ND	25	23.6	94%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	110%		109%		
Toluene-d8	50	105%		105%		
4-Bromofluorobenzene	50	98%		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

Gareth Voigt
Laboratory Director

MAY 0 8 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: 4/18/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/18 #2 MS2
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/18 #2	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	25.4	102%	85%-115%
Bromodichloromethane		ND	25	24.7	99%	85%-115%
Bromoform		ND	25	24.6	98%	85%-115%
Bromomethane		ND	25	23.0	92%	85%-115%
Carbon tetrachloride		ND	25	23.7	95%	85%-115%
Chlorobenzene		ND	25	25.0	100%	85%-115%
Chloroethane		ND	25	27.5	110%	85%-115%
Chloroform		ND	25	26.4	106%	85%-115%
Chloromethane		ND	25	26.6	106%	85%-115%
Dibromochloromethane		ND	25	24.3	97%	85%-115%
1,2-Dichlorobenzene		ND	25	24.6	99%	85%-115%
1,3-Dichlorobenzene		ND	25	23.8	95%	85%-115%
1,4-Dichlorobenzene		ND	25	25.0	100%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	25.8	103%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	27.6	110%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	25.0	100%	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	27.3	109%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	26.7	107%	85%-115%
1,2-Dichloropropane		ND	25	26.5	106%	85%-115%
cis-1,3-Dichloropropene		ND	25	25.0	100%	85%-115%
trans-1,3-Dichloropropene		ND	25	24.4	97%	85%-115%
Ethyl benzene		ND	25	25.4	102%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	27.5	110%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	24.5	98%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	26.5	106%	85%-115%
Tetrachloroethene (PCE)		ND	25	23.5	94%	85%-115%
Toluene		ND	25	25.0	100%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	25.4	101%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	25.6	102%	85%-115%
Trichloroethene (TCE)		ND	25	24.7	99%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	20.8	83%	85%-115%
m,p-Xylenes		ND	50	51.2	102%	85%-115%
o-Xylene		ND	25	25.9	103%	85%-115%
Vinyl chloride (VC)		ND	25	22.3	89%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	114%		111%		
Toluene-d8	50	108%		105%		
4-Bromofluorobenzene	50	99%		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

Gareth Voigt
Laboratory Director

MAY 0 8 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: 4/18/97
BATCH #: 0418-1
LAB SAMPLE ID #: 1D062-35

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	121	97%	125	126	101%	4%	70%-130%	20
Chlorobenzene		ND	125	121	97%	125	126	101%	4%	70%-130%	20
Chloroform		ND	125	134	107%	125	136	109%	1%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	140	112%	125	141	113%	1%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	136	109%	125	138	111%	2%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	108	86%	125	111	89%	3%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	148	119%	125	154	123%	4%	70%-130%	20
Toluene		ND	125	124	99%	125	129	103%	4%	70%-130%	20
Trichloroethene (TCE)		ND	125	121	97%	125	126	101%	4%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	115%		118%			113%				
Toluene-d8	50	106%		106%			107%				
4-Bromofluorobenzene	50	100%		99%			100%				

Notes :

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

Gareth Voigt
Laboratory Director

MAY 08 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: 4/18/97
BATCH #: 0418-3
LAB SAMPLE ID #: 1D062-48

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	133	107%	125	125	100%	6%	70%-130%	20
Chlorobenzene		ND	125	140	112%	125	130	104%	7%	70%-130%	20
Chloroform		ND	125	148	118%	125	139	111%	6%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	153	122%	125	140	112%	9%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	151	121%	125	142	113%	7%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	121	97%	125	112	90%	8%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	182	146%	125	172	137%	6%	70%-130%	20
Toluene		ND	125	137	110%	125	129	103%	6%	70%-130%	20
Trichloroethene (TCE)		ND	125	133	106%	125	128	102%	4%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	116%		116%			116%				
Toluene-d8	50	104%		106%			103%				
4-Bromofluorobenzene	50	98%		103%			103%				

Notes :

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

Gareth Voigt
Laboratory Director

MAY 0 8 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: 4/18/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/18 #1 MS3
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/18 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	27.4	109%	85%-115%
Bromodichloromethane		ND	25	25.9	104%	85%-115%
Bromoform		ND	25	22.1	89%	85%-115%
Bromomethane		ND	25	20.7	83%	85%-115%
Carbon tetrachloride		ND	25	25.9	104%	85%-115%
Chlorobenzene		ND	25	25.7	103%	85%-115%
Chloroethane		ND	25	26.5	106%	85%-115%
Chloroform		ND	25	28.0	112%	85%-115%
Chloromethane		ND	25	26.7	107%	85%-115%
Dibromochloromethane		ND	25	24.1	96%	85%-115%
1,2-Dichlorobenzene		ND	25	26.0	104%	85%-115%
1,3-Dichlorobenzene		ND	25	25.9	104%	85%-115%
1,4-Dichlorobenzene		ND	25	25.8	103%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	24.3	97%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	29.6	118%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	27.8	111%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	27.7	111%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	27.3	109%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	27.6	110%	85%-115%
1,2-Dichloropropane		ND	25	27.0	108%	85%-115%
cis-1,3-Dichloropropene		ND	25	27.0	108%	85%-115%
trans-1,3-Dichloropropene		ND	25	27.3	109%	85%-115%
Ethyl benzene		ND	25	23.7	95%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	26.5	106%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	23.6	94%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	27.6	110%	85%-115%
Tetrachloroethene (PCE)		ND	25	23.3	93%	85%-115%
Toluene		ND	25	26.5	106%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	28.3	113%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	26.0	104%	85%-115%
Trichloroethene (TCE)		ND	25	25.9	104%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	21.6	86%	85%-115%
m,p-Xylenes		ND	50	51.6	103%	85%-115%
o-Xylene		ND	25	26.3	105%	85%-115%
Vinyl chloride (VC)		ND	25	23.0	92%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	107%		106%		
Toluene-d8	50	104%		106%		
4-Bromofluorobenzene	50	98%		99%		

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

Gareth Voigt
Laboratory Director

MAY 0 8 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: 4/18/97
BATCH #: 0418-2
LAB SAMPLE ID #: 1D062-42

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	134	108%	125	133	106%	1%	70%-130%	20
Chlorobenzene		ND	125	123	98%	125	122	98%	1%	70%-130%	20
Chloroform		ND	125	147	118%	125	148	118%	0%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	155	124%	125	154	124%	1%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	148	118%	125	146	117%	1%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	111	89%	125	110	88%	1%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	163	131%	125	165	132%	1%	70%-130%	20
Toluene		ND	125	132	105%	125	131	105%	0%	70%-130%	20
Trichloroethene (TCE)		ND	125	127	102%	125	127	101%	1%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	110%		110%			111%				
Toluene-d8	50	106%		105%			105%				
4-Bromofluorobenzene	50	97%		96%			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 8 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: 4/18/97

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

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

Normal Hours and Overtime Hours Worked:

Normal Hours 10

Overtime Hours 2

Reason for Overtime

Sample Volume and Matrix

Samples Received and Matrix 48 soils for 8260 (8010/8020 (1st) & 418.1

Time Last Samples Received

Client Issues Raised:

ONSITE Action Plan:

Printed on recycled paper.

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 9 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. ~~925~~ 92612
Phone:	714-261-1577
Fax:	

Date:	4-18-97
Page:	1 of 4
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8010/8020 by EPA 5030	418.1				No. Containers	Remarks
2BB-1-23-1	4-18-97	0805	Soil	SLS	0930	MY	1D062-01				X	X				1	
2BB-1-23-4	"	0810	"	"	"	"	02				X	X				1	
2BB-1-23-10	"	0815	"	"	"	"	03				X	X				1	
2BB-1-23-20	"	0820	"	"	"	"	04				X	X				1	
2BB-1-23-30	"	0845	"	"	"	"	05				X	X				1	
2BB-1-23-40	"	0855	"	"	"	"	06				X	X				1	
2BB-1-23-50	"	0900	"	"	"	"	07				X	X				1	
2BB-6-~~15~~-14-1 SLS	"	08:36 ~~0955~~	"	"	1100	"	08				X	X				1	
2BB-6-~~15~~-14-4 SLS	"	08:41 ~~0959~~	"	"	"	"	09				X	X				1	
2BB-6-~~15~~-14-10 SLS	"	08:48 ~~1011~~	"	"	"	"	10				X	X				1	
2BB-6-~~15~~-14-15 SLS	"	08:52 ~~1020~~	"	"	"	"	11				X	X				1	
2BB-6-~~15~~-14-21 SLS	"	0919 ~~1026~~	"	"	"	"	12				X	X				1	
2BB-6-~~15~~-14-25 SLS	"	0929 ~~1038~~	"	"	"	"	13				X	X				1	

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

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

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

BOE-C6-0106331

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94 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. 92612
Phone:	714-261-1577
Fax:	

Date:	4-18-97
Page:	2 of 4
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8010/8020 by GC/MS	418.1				No. Containers	Remarks
2BB-6-15-1	4-18-97	0955	Soil	SLS	1100	MY	10062-14				X	X				1	
2BB-6-15-4	"	0959	"	"	"		15				X	X				1	
2BB-6-15-10	"	1014	"	"	"		16				X	X				1	
2BB-6-15-15	"	1020	"	"	"		17				X	X				1	
2BB-6-15-20	"	1026	"	"	"		18				X	X				1	
2BB-6-15-25	"	1038	"	"	"		19				X	X				1	
2BB-1-24-1	"	0940	"	"	1200		20				X	X				1	
2BB-1-24-4	"	0945	"	"	"		21				X	X				1	
2BB-1-24-10	"	0950	"	"	"		22				X	X				1	
2BB-1-24-20	"	1000	"	"	"		23				X	X				1	
2BB-1-24-30	"	1005	"	"	"		24				X	X				1	
2BB-1-24-40	"	1010	"	"	"		25				X	X				1	
2BB-1-24-50	"	1015	"	"	"		26				X	X				1	

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

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

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

BOE-C6-0106332

CHAIN OF CUSTODY RECC) AND ANALYSIS REQUEST

5500 Boscell Common Fremont, CA 94 Tel. (510) 490-8571 Fax. (510) 490-8572

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

[redacted]

Date:	4-18-97
Page:	3 of 4
Laboratory:	
Lab Number:	

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

Project Name:	DAC
Project Number:	974002.00

Bill to:	
Company:	Kennedy / Jenks
Address:	2151 Michelson Dr. Suite 100
City, State ZIP	Irvine CA. 92612
Phone:	714-261-1577
Fax:	

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	5030/8020 by 6C/MS	7131.1				No. Containers	Remarks
2BB-1-25-1	4-18-97	1050	soil	SLS	1200	MY	10062-27				X	X				1	
2BB-1-25-4	"	1055	"	"	"		28				X	X				1	
2BB-1-25-10	"	1100	"	"	"		29				X	X				1	
2BB-1-25-20	"	1110	"	"	"		30				X	X				1	
2BB-1-25-30	"	1115	"	"	"		31				X	X				1	
2BB-1-25-40	"	1120	"	"	"		32				X	X				1	
2BB-1-25-50	"	1130	"	"	"		33				X	X				1	
2BB-6-16-1	"	1106	"	"	"		34				X	X				1	
2BB-6-16-4	"	1111	"	"	"		35				X	X				1	
2BB-6-16-10	"	1118	"	"	"		36				X	X				1	
2BB-6-16-15	"	1124	"	"	"		37				X	X				1	
2BB-6-16-20	"	1131	"	"	"		38				X	X				1	
2BB-6-16-25	"	1139	"	"	"		39				X	X				1	

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

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

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

BOE-C6-0106333

CHAIN OF CUSTODY RECC] AND ANALYSIS REQUEST

5500 Boscell Common Fremont, CA 94[illegible] Tel. (510) 490-8571 Fax. (510) 490-8572

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

[redacted]

Date:	4-18-97
Page:	4 of 4
Laboratory:	
Lab Number:	

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

Project Name:	DAC
Project Number:	974002.00

Bill to:	
Company:	Kennedy / Jenks
Address:	2151 Michelson Dr. suite 100
City, State ZIP	Irvine CA. 92612
Phone:	714-261-1577
Fax:	

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8020/8020 by GC/MS	418.1				No. Containers	Remarks
2BB-5-2-1	4-18-97	1306	Soil	SCS	1345	MY	10062-40				X	X				1	
2BB-5-2-4	"	1310	"	"	"		41				X	X				1	
2BB-5-2-10	"	1318	"	"	"		42				X	X				1	
2BB-5-6-1	"	1344	"	"	1456		43				X	X				1	
2BB-5-6-4	"	1349	"	"	"		44				X	X				1	
2BB-5-6-10	"	1358	"	"	"		45				X	X				1	
2BB-5-7-1	"	1423	"	"	"		46				X	X				1	
2BB-5-7-4	"	1427	"	"	"		47				X	X				1	
2BB-5-7-10	"	1434	"	"	"		48				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-C6-0106334

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

1D063A.RPT

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/18/97, 4/21/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/21/97	**Client:**	Kennedy/Jenks
Report Number:	1D063A.RPT	**Project:**	974002.00
Lab Number:	1D063	**Units Soil:**	mg/Kg
		Units Water:	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D063-01	2BB-1-26-1	4/21/97	4/21/97	19	1	Soil
1D063-02	2BB-1-26-4	4/21/97	4/21/97	ND	1	Soil
1D063-03	2BB-1-26-10	4/21/97	4/21/97	ND	1	Soil
1D063-04	2BB-1-26-20	4/21/97	4/21/97	ND	1	Soil
1D063-05	2BB-1-26-30	4/21/97	4/21/97	ND	1	Soil
1D063-06	2BB-1-26-40	4/21/97	4/21/97	ND	1	Soil
1D063-07	2BB-1-26-50	4/21/97	4/21/97	45	1	Soil
1D063-08	2BB-1A-1-1	4/21/97	4/21/97	ND	1	Soil
1D063-09	2BB-1A-1-4	4/21/97	4/21/97	ND	1	Soil
1D063-10	2BB-1A-1-10	4/21/97	4/21/97	ND	1	Soil
1D063-11	2BB-1A-1-20	4/21/97	4/21/97	ND	1	Soil
1D063-12	2BB-1A-1-30	4/21/97	4/21/97	ND	1	Soil
1D063-13	2BB-1A-1-40	4/21/97	4/21/97	ND	1	Soil
1D063-14	2BB-1A-1-50	4/21/97	4/21/97	ND	1	Soil
1D063-15	2BB-5-9-1	4/21/97	4/21/97	35	1	Soil
1D063-16	2BB-5-9-4	4/21/97	4/21/97	81	1	Soil
1D063-17	2BB-5-9-10	4/21/97	4/21/97	ND	1	Soil
1D063-18	2BB-5-8-1	4/21/97	4/21/97	110	1	Soil
1D063-19	2BB-5-8-4	4/21/97	4/21/97	33	1	Soil
1D063-20	2BB-5-8-10	4/21/97	4/21/97	ND	1	Soil
1D063-21	2BB-5-48-1	4/21/97	4/21/97	32	1	Soil
1D063-22	2BB-5-48-4	4/21/97	4/21/97	66	1	Soil
1D063-23	2BB-5-48-10	4/21/97	4/21/97	ND	1	Soil

Reporting Limits SOIL mg/Kg	10

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

PROCEDURES:
1D01 - This analysis was performed using EPA Method 418.1.

CERTIFICATIONS:
State Department of Health Services ELAP
Environmental Laboratories, 5900 Bowell Cresent, Pleasant, CA 94588 (510) 490-8151

Gareth Voigt
Laboratory Director

MAY 9 1997
Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/21/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/21/97	**Client:**	Kennedy/Jenks
Report Number:	1D063B.RPT	**Project:**	974002.00
Lab Number:	1D063	**Units Soil:**	mg/Kg
		Units Water:	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D063-24	**2BB-1A-2-1**	4/21/97	4/21/97	ND	1	Soil
1D063-25	**2BB-1A-2-4**	4/21/97	4/21/97	ND	1	Soil
1D063-26	**2BB-1A-2-10**	4/21/97	4/21/97	ND	1	Soil
1D063-27	**2BB-1A-2-20**	4/21/97	4/21/97	ND	1	Soil
1D063-28	**2BB-1A-2-30**	4/21/97	4/21/97	ND	1	Soil
1D063-29	**2BB-1A-2-40**	4/21/97	4/21/97	ND	1	Soil
1D063-30	**2BB-1A-2-50**	4/21/97	4/21/97	ND	1	Soil
1D063-31	**2BB-1A-4-1**	4/21/97	4/21/97	ND	1	Soil
1D063-32	**2BB-1A-4-4**	4/21/97	4/21/97	ND	1	Soil
1D063-33	**2BB-1A-4-10**	4/21/97	4/21/97	ND	1	Soil
1D063-34	**2BB-1A-4-20**	4/21/97	4/21/97	ND	1	Soil
1D063-35	**2BB-1A-4-30**	4/21/97	4/21/97	ND	1	Soil
1D063-36	**2BB-1A-4-40**	4/21/97	4/21/97	ND	1	Soil
1D063-37	**2BB-1A-4-50**	4/21/97	4/21/97	ND	1	Soil
1D063-38	**2BB-5-47-1**	4/21/97	4/21/97	ND	1	Soil
1D063-39	**2BB-5-47-4**	4/21/97	4/21/97	**20**	1	Soil
1D063-40	**2BB-5-47-10**	4/21/97	4/21/97	ND	1	Soil
1D063-41	**2BB-5-46-1**	4/21/97	4/21/97	ND	1	Soil
1D063-42	**2BB-5-45-1**	4/21/97	4/21/97	**11**	1	Soil
1D063-43	**2BB-5-45-4**	4/21/97	4/21/97	**84**	1	Soil
1D063-44	**2BB-5-45-10**	4/21/97	4/21/97	ND	1	Soil
1D063-45	**2BB-1A-3-1**	4/21/97	4/21/97	ND	1	Soil
1D063-46	**2BB-1A-3-4**	4/21/97	4/21/97	**17**	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

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/21/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/21/97	**Client:**	Kennedy/Jenks
Report Number:	1D063C.RPT	**Project:**	974002.00
Lab Number:	1D063	**Units Soil:**	mg/Kg
Date Reported:	4/21/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D063-47	**2BB-1A-3-10**	4/21/97	4/21/97	ND	1	Soil
1D063-48	**2BB-1A-3-20**	4/21/97	4/21/97	ND	1	Soil
1D063-49	**2BB-1A-3-30**	4/21/97	4/21/97	ND	1	Soil
1D063-50	**2BB-1A-3-40**	4/21/97	4/21/97	ND	1	Soil
1D063-51	**2BB-1A-3-50**	4/21/97	4/21/97	ND	1	Soil
1D063-52	**2BB-5-44-1**	4/21/97	4/21/97	**190**	1	Soil
1D063-53	**2BB-5-44-4**	4/21/97	4/21/97	**100**	1	Soil
1D063-54	**2BB-5-44-10**	4/21/97	4/21/97	ND	1	Soil
1D063-55	**2BB-5-17-1**	4/21/97	4/21/97	**4300**	100	Soil
1D063-56	**2BB-5-17-4**	4/21/97	4/21/97	**4800**	100	Soil
1D063-57	**2BB-1A-5-1**	4/21/97	4/21/97	ND	1	Soil
1D063-58	**2BB-1A-5-4**	4/21/97	4/21/97	ND	1	Soil
1D063-59	**2BB-1A-5-10**	4/21/97	4/21/97	ND	1	Soil
1D063-60	**2BB-1A-5-20**	4/21/97	4/21/97	ND	1	Soil
1D063-61	**2BB-1A-5-30**	4/21/97	4/21/97	ND	1	Soil
1D063-62	**2BB-1A-5-40**	4/21/97	4/21/97	ND	1	Soil
1D063-63	**2BB-1A-5-50**	4/21/97	4/21/97	ND	1	Soil
1D063-64	**2BB-5-18-5**	4/21/97	4/21/97	ND	1	Soil
1D063-65	**2BB-5-18-10**	4/21/97	4/21/97	ND	1	Soil
1D063-66	**2BB-5-18-15**	4/21/97	4/21/97	ND	1	Soil
1D063-67	**2BB-5-18-20**	4/21/97	4/21/97	ND	1	Soil
1D063-68	**2BB-5-18-25**	4/21/97	4/21/97	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 0 9 1997
Date

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

Date Sampled:	4/21/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/21/97	**Client:**	Kennedy/Jenks
Report Number:	1D063E.RPT	**Project:**	McDonnell Douglas
Lab Number:	1D063	**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
1D063-07	**2BB-1-26-50**	4/22/97	4/23/97	ND	ND	108	1	Soil
1D063-15	**2BB-5-9-1**	4/22/97	4/23/97	ND	ND	90	1	Soil
1D063-16	**2BB-5-9-4**	4/22/97	4/23/97	ND	**27**	93	1	Soil
1D063-18	**2BB-5-8-1**	4/22/97	4/23/97	ND	**29**	89	1	Soil
1D063-19	**2BB-5-8-4**	4/22/97	4/23/97	ND	ND	96	1	Soil
1D063-21	**2BB-5-48-1**	4/22/97	4/23/97	ND	**46**	88	1	Soil
1D063-22	**2BB-5-48-4**	4/22/97	4/23/97	ND	**50**	81	1	Soil
1D063-43	**2BB-5-45-4**	4/22/97	4/23/97	ND	**98***	97	1	Soil
1D063-52	**2BB-5-44-1**	4/22/97	4/23/97	ND	ND	89	1	Soil
1D063-53	**2BB-5-44-4**	4/22/97	4/23/97	ND	ND	94	1	Soil
1D063-55	**2BB-5-17-1**	4/22/97	4/23/97	ND	**250**	D	5	Soil
1D063-56	**2BB-5-17-4**	4/22/97	4/23/97	ND	**1200***	D	5	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 Bosell 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			4/21/97	4/21/97	4/21/97	4/21/97	4/21/97	4/21/97	4/21/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D063-01	1D063-02	1D063-03	1D063-04	1D063-05	1D063-06	1D063-07
CLIENT SAMPLE ID : **2BB-**			1-26-1	1-26-4	1-26-10	1-26-20	1-26-30	1-26-40	1-26-50
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%	103%	108%	110%	112%	113%	111%	110%
Toluene-d8	50	80%-115%	106%	106%	105%	107%	106%	107%	105%
4-Bromofluorobenzene	50	75%-125%	99%	101%	98%	101%	99%	98%	99%

Notes :

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

Gareth Voigt
Laboratory Director

MAY 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			4/21/97	4/21/97	4/21/97	4/21/97	4/21/97	4/21/97	4/21/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D063-08	1D063-09	1D063-10	1D063-11	1D063-12	1D063-13	1D063-14
CLIENT SAMPLE ID : 2BB-			1A-1-1	1A-1-4	1A-1-10	1A-1-20	1A-1-30	1A-1-40	1A-1-50
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	16	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%	106%	106%	107%	106%	107%	102%
Toluene-d8	50	80%-115%	105%	106%	105%	106%	105%	104%	105%
4-Bromofluorobenzene	50	75%-125%	98%	99%	100%	99%	99%	98%	99%

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

Gareth Voigt
Laboratory Director

MAY 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			4/21/97	4/21/97	4/21/97	4/21/97	4/21/97	4/21/97	4/21/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D063-15	1D063-16	1D063-17	1D063-18	1D063-19	1D063-20	1D063-21
CLIENT SAMPLE ID : 2BB-			5-9-1	5-9-4	5-9-10	5-8-1	5-8-4	5-8-10	5-48-1
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%	114%	111%	111%	109%	109%	109%	112%
Toluene-d8	50	80%-115%	104%	104%	105%	104%	104%	106%	105%
4-Bromofluorobenzene	50	75%-125%	94%	98%	104%	95%	101%	99%	100%

Notes :

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

Gareth Voigt
Laboratory Director

MAY 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			4/21/97	4/21/97	4/21/97	4/21/97	4/21/97	4/21/97	4/21/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D063-22	1D063-23	1D063-24	1D063-25	1D063-26	1D063-27	1D063-28
CLIENT SAMPLE ID : 2BB-			5-48-4	5-48-10	1A-2-1	1A-2-4	1A-2-10	1A-2-20	1A-2-30
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	5 J	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%	110%	108%	113%	111%	107%	110%	113%
Toluene-d8	50	80%-115%	106%	103%	104%	105%	106%	104%	106%
4-Bromofluorobenzene	50	75%-125%	97%	100%	99%	99%	104%	100%	99%

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
J - At or below CRDL
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			4/21/97	4/21/97	4/21/97	4/21/97	4/21/97	4/21/97	4/21/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D063-29	1D063-30	1D063-31	1D063-32	1D063-33	1D063-34	1D063-35
CLIENT SAMPLE ID : 2BB-			1A-2-40	1A-2-50	1A-4-1	1A-4-4	1A-4-10	1A-4-20	1A-4-30
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%	107%	108%	111%	109%	110%	101%
Toluene-d8	50	80%-115%	106%	104%	104%	106%	106%	106%	106%
4-Bromofluorobenzene	50	75%-125%	101%	98%	96%	98%	97%	98%	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

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/21/97	4/21/97	4/21/97	4/21/97	4/21/97	4/21/97	4/21/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D063-36	1D063-37	1D063-38	1D063-39	1D063-40	1D063-41	1D063-42
CLIENT SAMPLE ID : 2BB-			1A-4-40	1A-4-50	5-47-1	5-47-4	5-47-10	5-46-1	5-45-1
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	7.5
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%	98%	116%	111%	116%	123% M	115%
Toluene-d8	50	80%-115%	105%	105%	101%	107%	107%	102%	107%
4-Bromofluorobenzene	50	75%-125%	97%	96%	94%	96%	98%	90%	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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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/21/97	4/21/97	4/21/97	4/21/97	4/21/97	4/21/97	4/21/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D063-43	1D063-44	1D063-45	1D063-46	1D063-47	1D063-48	1D063-49
		CLIENT SAMPLE ID : 2BB-	5-45-4	5-45-10	1A-3-1	1A-3-4	1A-3-10	1A-3-20	1A-3-30
		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%	107%	108%	109%	107%	108%	101%
Toluene-d8	50	80%-115%	102%	104%	105%	106%	105%	106%	106%
4-Bromofluorobenzene	50	75%-125%	95%	100%	95%	96%	97%	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
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			4/21/97	4/21/97	4/21/97	4/21/97	4/21/97	4/22/97	4/22/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D063-50	1D063-51	1D063-52	1D063-53	1D063-54	1D063-55	1D063-56
CLIENT SAMPLE ID : 2BB-			1A-3-40	1A-3-50	5-44-1	5-44-4	5-44-10	5-17-1	5-17-4
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%	98%	101%	111%	112%	107%	108%	108%
Toluene-d8	50	80%-115%	105%	105%	102%	104%	98%	102%	103%
4-Bromofluorobenzene	50	75%-125%	101%	100%	98%	99%	100%	96%	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

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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/21/97	4/21/97	4/21/97	4/21/97	4/21/97	4/21/97	4/21/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D063-57	1D063-58	1D063-59	1D063-60	1D063-61	1D063-62	1D063-63
CLIENT SAMPLE ID : 2BB-			1A-5-1	1A-5-4	1A-5-10	1A-5-20	1A-5-30	1A-5-40	1A-5-50
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	18	ND	9.5	26	ND	5.3	19
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%	110%	106%	108%	108%	96%	99%	101%
Toluene-d8	50	80%-115%	105%	106%	106%	104%	105%	105%	106%
4-Bromofluorobenzene	50	75%-125%	97%	97%	99%	97%	98%	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

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	4/22/97	4/22/97	4/22/97	4/22/97	4/21/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D063-64	1D063-65	1D063-66	1D063-67	1D063-68
		CLIENT SAMPLE ID : 2BB-	5-18-6	5-18-10	5-18-15	5-18-20	5-18-25
		EXTRACTION SOLVENT					
		EXTRACTION METHOD					
		DILUTION FACTOR	1	1	1	1	1
COMPOUND		CRDL					
Benzene		5	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND	ND	ND
Ethyl benzene		5	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND	ND	ND
Trichloroethene (TCE)		5	ND	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	105%	103%	105%	105%	106%
Toluene-d8	50	80%-115%	105%	105%	106%	105%	106%
4-Bromofluorobenzene	50	75%-125%	98%	99%	98%	100%	98%

Notes :

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

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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QC DATA REPORT
TPH-E
EPA Method 8015 Modified

Date Analyzed:	4/22/97, 4/23/97	**Proj Mgr:**	Rus Purcell
Date Extracted:	4/22/97	**Client:**	Kennedy/Jenks
Report Number:	0422SD.QAC	**Project:**	974002.00
Lab Number:	DIESEL: 2BB-6-14-4, 1D062-09	**Matrix:**	Soil
	MOTOR OIL: 2BB-1-26-50, 1D063-07	**Units:**	mg/Kg

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	105	105	0.0	81.6	82	80.5	81	1.4
TPH-E mo	ND	107	109	102	0.0	115	107	133	124	14.5
surr %rec dies	99			95	87		83		86	
surr %rec mo				87	108		90		102	

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:	4/21/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/21/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/21/97	**Project:**	974002.00
Date Extracted:	4/21/97	**Matrix:**	Soil
Report Number:	0421D.QAC	**Units:**	mg/Kg
Lab Number:	2BB-5-18-25, 1D063-68		

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	26.0	104	0.0	22.5	90	25.3	101	11.7

DEFINITION OF TERMS:

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

LABORATORY QC CRITERIA

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

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QC DATA REPORT
TRPH
EPA Method 418.1

Date Sampled:	4/21/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/21/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/21/97	**Project:**	974002.00
Date Extracted:	4/21/97	**Matrix:**	Soil
Report Number:	0421C.QAC	**Units:**	mg/Kg
Lab Number:	2BB-1A-3-40, 1D063-50		

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	26.7	107	27.4	110	2.6

DEFINITION OF TERMS:

D - Analytes not detected at, or above the reporting limit
S - 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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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: 4/21/97
SUPPLY SOURCE: Absolut Standards, Inc. **LAB LCS ID:** LCS 4/21 #1 MS2
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/21 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	26.3	105%	85%-115%
Bromodichloromethane		ND	25	25.3	101%	85%-115%
Bromoform		ND	25	25.2	101%	85%-115%
Bromomethane		ND	25	21.4	86%	85%-115%
Carbon tetrachloride		ND	25	24.7	99%	85%-115%
Chlorobenzene		ND	25	25.8	103%	85%-115%
Chloroethane		ND	25	26.6	106%	85%-115%
Chloroform		ND	25	26.3	105%	85%-115%
Chloromethane		ND	25	26.5	106%	85%-115%
Dibromochloromethane		ND	25	24.9	100%	85%-115%
1,2-Dichlorobenzene		ND	25	26.2	105%	85%-115%
1,3-Dichlorobenzene		ND	25	25.7	103%	85%-115%
1,4-Dichlorobenzene		ND	25	25.6	102%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	27.0	108%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	27.2	109%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	25.1	100%	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	27.5	110%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	27.0	108%	85%-115%
1,2-Dichloropropane		ND	25	26.6	106%	85%-115%
cis-1,3-Dichloropropene		ND	25	25.9	104%	85%-115%
trans-1,3-Dichloropropene		ND	25	25.5	102%	85%-115%
Ethyl benzene		ND	25	25.9	104%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	27.7	111%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	25.1	100%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	27.3	109%	85%-115%
Tetrachloroethene (PCE)		ND	25	24.4	98%	85%-115%
Toluene		ND	25	26.0	104%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	25.7	103%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	26.1	104%	85%-115%
Trichloroethene (TCE)		ND	25	25.3	101%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	21.2	85%	85%-115%
m,p-Xylenes		ND	50	52.4	105%	85%-115%
o-Xylene		ND	25	26.0	104%	85%-115%
Vinyl chloride (VC)		ND	25	21.6	86%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	108%		108%		
Toluene-d8	50	108%		106%		
4-Bromofluorobenzene	50	99%		99%		

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

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: 4/21/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/21 #2 MS2
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/21 #2	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	25.9	104%	85%-115%
Bromodichloromethane		ND	25	25.5	102%	85%-115%
Bromoform		ND	25	27.4	110%	85%-115%
Bromomethane		ND	25	20.3	81%	85%-115%
Carbon tetrachloride		ND	25	24.9	100%	85%-115%
Chlorobenzene		ND	25	26.7	107%	85%-115%
Chloroethane		ND	25	26.0	104%	85%-115%
Chloroform		ND	25	26.6	106%	85%-115%
Chloromethane		ND	25	22.8	91%	85%-115%
Dibromochloromethane		ND	25	26.8	107%	85%-115%
1,2-Dichlorobenzene		ND	25	27.1	108%	85%-115%
1,3-Dichlorobenzene		ND	25	26.7	107%	85%-115%
1,4-Dichlorobenzene		ND	25	26.3	105%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	26.6	106%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	27.3	109%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	26.6	106%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	26.8	107%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	27.0	108%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	27.0	108%	85%-115%
1,2-Dichloropropane		ND	25	26.9	108%	85%-115%
cis-1,3-Dichloropropene		ND	25	25.1	100%	85%-115%
trans-1,3-Dichloropropene		ND	25	25.7	103%	85%-115%
Ethyl benzene		ND	25	26.6	106%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	27.5	110%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	26.3	105%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	29.9	120%	85%-115%
Tetrachloroethene (PCE)		ND	25	25.3	101%	85%-115%
Toluene		ND	25	25.9	104%	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	26.8	107%	85%-115%
Trichloroethene (TCE)		ND	25	25.0	100%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	18.7	75%	85%-115%
m,p-Xylenes		ND	50	54.8	110%	85%-115%
o-Xylene		ND	25	27.2	109%	85%-115%
Vinyl chloride (VC)		ND	25	19.3	77%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	111%		107%		
Toluene-d8	50	105%		104%		
4-Bromofluorobenzene	50	101%		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

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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: 4/21/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/21 #1 MS3
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/21 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	26.3	105%	85%-115%
Bromodichloromethane		ND	25	25.2	101%	85%-115%
Bromoform		ND	25	21.6	86%	85%-115%
Bromomethane		ND	25	20.2	81%	85%-115%
Carbon tetrachloride		ND	25	25.1	100%	85%-115%
Chlorobenzene		ND	25	25.1	101%	85%-115%
Chloroethane		ND	25	25.8	103%	85%-115%
Chloroform		ND	25	27.2	109%	85%-115%
Chloromethane		ND	25	25.1	100%	85%-115%
Dibromochloromethane		ND	25	24.0	96%	85%-115%
1,2-Dichlorobenzene		ND	25	25.6	102%	85%-115%
1,3-Dichlorobenzene		ND	25	25.6	102%	85%-115%
1,4-Dichlorobenzene		ND	25	25.4	101%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	22.7	91%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	28.4	114%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	26.2	105%	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	26.4	106%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	26.9	107%	85%-115%
1,2-Dichloropropane		ND	25	26.1	104%	85%-115%
cis-1,3-Dichloropropene		ND	25	25.9	103%	85%-115%
trans-1,3-Dichloropropene		ND	25	25.9	104%	85%-115%
Ethyl benzene		ND	25	25.2	101%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	26.4	105%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	23.1	93%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	27.0	108%	85%-115%
Tetrachloroethene (PCE)		ND	25	23.3	93%	85%-115%
Toluene		ND	25	25.6	102%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	27.4	110%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	24.6	98%	85%-115%
Trichloroethene (TCE)		ND	25	24.9	99%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	23.9	95%	85%-115%
m,p-Xylenes		ND	50	51.5	103%	85%-115%
o-Xylene		ND	25	26.1	104%	85%-115%
Vinyl chloride (VC)		ND	25	22.4	90%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	107%		106%		
Toluene-d8	50	104%		105%		
4-Bromofluorobenzene	50	99%		100%		

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

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: 4/21/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/21 #2 MS3
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/21 #2	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	27.4	110%	85%-115%
Bromodichloromethane		ND	25	26.6	106%	85%-115%
Bromoform		ND	25	23.0	92%	85%-115%
Bromomethane		ND	25	20.2	81%	85%-115%
Carbon tetrachloride		ND	25	26.3	105%	85%-115%
Chlorobenzene		ND	25	26.2	105%	85%-115%
Chloroethane		ND	25	26.1	104%	85%-115%
Chloroform		ND	25	28.3	113%	85%-115%
Chloromethane		ND	25	24.0	96%	85%-115%
Dibromochloromethane		ND	25	25.1	101%	85%-115%
1,2-Dichlorobenzene		ND	25	27.1	108%	85%-115%
1,3-Dichlorobenzene		ND	25	27.0	108%	85%-115%
1,4-Dichlorobenzene		ND	25	26.8	107%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	22.6	91%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	29.7	119%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	28.6	114%	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	27.7	111%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	27.6	110%	85%-115%
1,2-Dichloropropane		ND	25	27.9	112%	85%-115%
cis-1,3-Dichloropropene		ND	25	27.7	111%	85%-115%
trans-1,3-Dichloropropene		ND	25	27.7	111%	85%-115%
Ethyl benzene		ND	25	24.3	97%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	27.5	110%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	24.1	97%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	29.8	119%	85%-115%
Tetrachloroethene (PCE)		ND	25	23.2	93%	85%-115%
Toluene		ND	25	26.3	105%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	29.0	116%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	26.7	107%	85%-115%
Trichloroethene (TCE)		ND	25	26.1	104%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	20.5	82%	85%-115%
m,p-Xylenes		ND	50	51.2	102%	85%-115%
o-Xylene		ND	25	26.4	105%	85%-115%
Vinyl chloride (VC)		ND	25	21.6	86%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	107%		107%		
Toluene-d8	50	105%		106%		
4-Bromofluorobenzene	50	99%		100%		

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

Gareth Voigt
Laboratory Director

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Date

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Project No: 974002.00

LABORATORY QA/QC REPORT FOR ORGANICS

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

DATE PERFORMED: 4/21/97
BATCH #: 0421-2
LAB SAMPLE ID #: 1D063-34

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	137	109%	125	138	110%	1%	70%-130%	20
Chlorobenzene		ND	125	120	96%	125	120	96%	0%	70%-130%	20
Chloroform		ND	125	145	116%	125	146	117%	1%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	160	128%	125	161	129%	1%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	145	116%	125	150	120%	4%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	144	116%	125	145	116%	0%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	169	135%	125	175	140%	3%	70%-130%	20
Toluene		ND	125	130	104%	125	131	105%	1%	70%-130%	20
Trichloroethene (TCE)		ND	125	129	103%	125	133	106%	3%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	110%		109%			109%				
Toluene-d8	50	106%		107%			106%				
4-Bromofluorobenzene	50	98%		96%			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.

Project No: 974002.00

LABORATORY QA/QC REPORT FOR ORGANICS

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

DATE PERFORMED: 4/21/97
BATCH #: 0421-4
LAB SAMPLE ID #: 1D063-68

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	126	101%	125	137	110%	8%	70%-130%	20
Chlorobenzene		ND	125	112	89%	125	121	97%	8%	70%-130%	20
Chloroform		ND	125	138	111%	125	147	118%	6%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	151	120%	125	161	129%	7%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	141	113%	125	151	121%	7%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	136	109%	125	147	117%	8%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	176	141%	125	189	151%	7%	70%-130%	20
Toluene		ND	125	121	97%	125	131	105%	8%	70%-130%	20
Trichloroethene (TCE)		ND	125	141	113%	125	150	120%	6%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	106%		106%			105%				
Toluene-d8	50	106%		106%			105%				
4-Bromofluorobenzene	50	98%		99%			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: 4/21/97

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 2

Reason for Overtime

Sample Volume and Matrix

Samples Received and Matrix 68 soils for 8260 (8010/8020 list) & 418.1

Time Last Samples Received

Client Issues Raised:

ONSITE Action Plan:

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: 4/21/97
BATCH #: 0421-1
LAB SAMPLE ID #: 1D063-27

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	121	97%	125	124	99%	2%	70%-130%	20
Chlorobenzene		ND	125	121	97%	125	127	101%	4%	70%-130%	20
Chloroform		ND	125	127	101%	125	131	105%	4%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	134	107%	125	142	114%	6%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	129	103%	125	131	105%	2%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	132	106%	125	139	112%	5%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	204	163%	125	217	173%	6%	70%-130%	20
Toluene		ND	125	121	97%	125	127	101%	4%	70%-130%	20
Trichloroethene (TCE)		5.0	125	143	110%	125	155	120%	8%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	110%		108%			107%				
Toluene-d8	50	104%		107%			105%				
4-Bromofluorobenzene	50	100%		103%			103%				

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

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

Printed on recycled paper.

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94[illegible] Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	Rus Purcell
Client Name:	Kennedy/Jenks
Address:	2151 Michelson Dr., Ste 100
City, State ZIP	Irvine, CA 92612
Phone:	714-261-1577
Fax:	261-2134

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	4-21-97
Page:	2 of
Laboratory:	
Lab Number:	

Project Name:	Douglas Aircraft
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	418.1	8010/8020				No. Containers	Remarks
2BB-5-9-1	4-21-97	0814	soil	JK	1023	MY	1D063-15				X	X				1	
2BB-5-9-4		0818					16				X	X				1	
2BB-5-9-10		0839					17				X	X				1	
2BB-5-8-1		0905					18				X	X				1	
2BB-5-8-4		0909					19				X	X				1	
2BB-5-8-10		0917					20				X	X				1	
2BB-5-48-1		0954					21				X	X				1	
2BB-5-48-4		0959					22				X	X				1	
2BB-5-48-10		1006					23				X	X				1	

Initials:	Printed Name:	Signature:		
JK	Jay Knight	Jay Knight	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-C6-0106360

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94 Tel. (510) 490-8571 Fax. (510) 490-8572

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

Bill to:	
Company:	Kennedy / Jenks
Address:	2151 Michelson Dr Suite 100
City, State ZIP	Irvine CA. 92612
Phone:	714-261-1577
Fax:	

Date:	4-~~18~~ 21-97
Page:	15 of
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8000/8020 by GC/MS	418.1				No. Containers	Remarks
2BB-1-26-1	4-18-97	1320	Soil	[illegible]	7:30	MY	10063-01				X	X				1	
2BB-1-26-4	"	1325	"	"			-02				X	X				1	
2BB-1-26-10	"	1330	"	"			03				X	X				1	
2BB-1-26-20	"	1335	"	"			04				X	X				1	
2BB-1-26-30	"	1345	"	"			05				X	X				1	
2BB-1-26-40	"	1355	"	"			06				X	X				1	
2BB-1-26-50	"	1405	"	"			07				X	X				1	
2BB-1A-1-1	"	1515	"	"			08				X	X				1	
2BB-1A-1-4	"	1520	"	"			09				X	X				1	
2BB-1A-1-10	"	1525	"	"			10				X	X				1	
2BB-1A-1-20	"	1535	"	"			11				X	X				1	
2BB-1A-1-30	"	1545	"	"			12				X	X				1	
2BB-1A-1-40	"	1550	"	"			13				X	X				1	
2BB-1A-1-50	"	1555	"	"			14				X	X				1	

Initials:	Printed Name:	Signature:		
[illegible]	Shane Scrimshire	[illegible]	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-C6-0106361

Analysis Request and Chain of Custody Record

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

Lab Job No: ____
Page 1 of 1

REQUIRED TAT: ____

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

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	8010/8020	418.1							REMARKS/PRECAUTIONS
2BB-1A-2-1	1	4/21/97	0840	Soil	Brass		X	X							1D063-24
-4	1		0845				X	X							25
-10	1		0850				X	X							26
-20	1		0900				X	X							27
-30	1		0905				X	X							28
-40	1		0910				X	X							29
-50	1		0920				X	X							30
2BB-1A-4-1	1		1020				X	X							31
-4	1		1030				X	X							32
-10	1		1035				X	X							33
-20	1		1045				X	X							34
-30	1		1055				X	X							35
-40	1		1100				X	X							36
-50	1		1105				X	X							37

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Dale M. Sef	4/21/97 1155	Michael Jurosky	4/21/97 1155
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-C6-0106362

CHAIN OF CUSTODY REC[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:	Kennedy / Jenks
Address:	2151 Michelson, Ste. 100
City, State ZIP	Irvine, CA 92612
Phone:	714-261-1577
Fax:	2134

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	4-21-97
Page:	2 of
Laboratory:	
Lab Number:	

Project Name:	Douglas Aircraft
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	418.1	8010/8020				No. Containers	Remarks
2BB-5-47-1	4-21-97	1032	soil	JK	13:30	MY	1D063-38				X	X				1	
2BB-5-47-4	"	1037	"	"	"		39				X	X				1	
2BB-5-47-10	"	1043	"	"	"		40				X	X				1	
2BB-5-46-1	"	1113	"	"	"		41				X	X				1	
2BB-5-45-1	"	1249	"	"	"		42				X	X				1	
2BB-5-45-4	"	1253	"	"	"		43				X	X				1	
2BB-5-45-10	"	1300	"	"	"		44				X	X				1	
2BB-1A-3-1	"	1245	"	"	1340		45				X	X				1	
2BB-1A-3-4	"	1250	"	"	"		46				X	X				1	
2BB-1A-3-10	"	1255	"	"	"		47				X	X				1	
2BB-1A-3-20	"	1305	"	"	"		48				X	X				1	
2BB-1A-3-30	"	1310	"	"	"		49				X	X				1	
2BB-1A-3-40	"	1320	"	"	"		50				X	X				1	
2BB-1A-3-50	"	1330	"	"	"		51				X	X				1	

Initials:	Printed Name:	Signature:		
JK	Jay Knight	Jay Knight	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-C6-0106363

CHAIN OF CUSTODY REC[illegible] AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94[illegible] 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. 92612
Phone:	714-261-1577
Fax:	

Date:	4-21-97
Page:	of
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8010/8020 by GC/MS	418.1				No. Containers	Remarks
2BB-5-44-1	4-21-97	1327	Soil	SCS	1510	MY	10063-52				X	X				1	
2BB-5-44-4	"	1332	"	SCS	"		53				X	X				1	
2BB-5-44-10	"	1338	"	SCS	"		54				X	X				1	
2BB-5-17-1	"	1400	"	SCS	"		55				X	X				1	
2BB-5-17-4	"	1437	"	SCS	"		56				X	X				1	
2BB-1A-5-1	"	1430	"	SCS	1540		57				X	X				1	
2BB-1A-5-4	"	1435	"	SCS	"		58				X	X				1	
2BB-1A-5-10	"	1445	"	SCS	"		59				X	X				1	
2BB-1A-5-20	"	1455	"	SCS	"		60				X	X				1	
2BB-1A-5-30	"	1500	"	SCS	"		61				X	X				1	
2BB-1A-5-40	"	1505	"	SCS	"		62				X	X				1	
2BB-1A-5-50	"	1515	"	SCS	"		63				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-C6-0106364

CHAIN OF CUSTODY RECO[illegible] AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94[illegible] 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. 92612
Phone:	714-261-1577
Fax:	

Date:	4-21-97
Page:	of
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	~~8020~~ by GC/MS	418.1				No. Containers	Remarks
2BB-5-18-6	4-21-97	1530	Soil	SLS	1630	MY	1D063-64				X	X				1	
2BB-5-18-10	"	1541	"	SLS	"	↓	65				X	X				1	
2BB-5-18-15	"	1554	"	SLS	"	↓	66				X	X				1	
2BB-5-18-20	"	1605	"	SLS	"	↓	67				X	X				1	
2BB-5-18-25	"	1620	"	SLS	"	↓	68				X	X				1	

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

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

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

BOE-C6-0106365

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

P

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/22/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/22/97	**Client:**	Kennedy/Jenks
Report Number:	1D064A.RPT	**Project:**	974002.00
Lab Number:	1D064	**Units Soil:**	mg/Kg
Date Reported:	4/23/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D064-01	**2BB-5-19-4**	4/22/97	4/22/97	**190**	1	Soil
1D064-02	**2BB-5-19-10**	4/22/97	4/22/97	ND	1	Soil
1D064-03	**2BB-5-19-15**	4/22/97	4/22/97	ND	1	Soil
1D064-04	**2BB-5-19-20**	4/22/97	4/22/97	ND	1	Soil
1D064-05	**2BB-5-19-25**	4/22/97	4/22/97	ND	1	Soil
1D064-06	**2BB-1A-5A-4**	4/22/97	4/22/97	ND	1	Soil
1D064-07	**2BB-1A-5A-10**	4/22/97	4/22/97	ND	1	Soil
1D064-08	**2BB-1A-5A-20**	4/22/97	4/22/97	ND	1	Soil
1D064-09	**2BB-1A-5A-30**	4/22/97	4/22/97	ND	1	Soil
1D064-10	**2BB-1A-5A-40**	4/22/97	4/22/97	ND	1	Soil
1D064-11	**2BB-1A-5A-50**	4/22/97	4/22/97	ND	1	Soil
1D064-12	**2BB-5-11-1**	4/22/97	4/22/97	ND	1	Soil
1D064-13	**2BB-5-11-4**	4/22/97	4/22/97	ND	1	Soil
1D064-14	**2BB-5-11-10**	4/22/97	4/22/97	ND	1	Soil
1D064-15	**2BB-5-11-15**	4/22/97	4/22/97	ND	1	Soil
1D064-16	**2BB-5-11-20**	4/22/97	4/22/97	ND	1	Soil
1D064-17	**2BB-5-11-25**	4/22/97	4/22/97	ND	1	Soil
1D064-18	**2BB-1A-6-4**	4/22/97	4/22/97	ND	1	Soil
1D064-19	**2BB-1A-6-10**	4/22/97	4/22/97	ND	1	Soil
1D064-20	**2BB-1A-6-20**	4/22/97	4/22/97	ND	1	Soil
1D064-21	**2BB-1A-6-30**	4/22/97	4/22/97	ND	1	Soil
1D064-22	**2BB-1A-6-40**	4/22/97	4/22/97	ND	1	Soil
1D064-23	**2BB-1A-6-50**	4/22/97	4/22/97	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

JUN 04 1997

Date

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Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/22/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/22/97	**Client:**	Kennedy/Jenks
Report Number:	1D064B.RPT	**Project:**	974002.00
Lab Number:	1D064	**Units Soil:**	mg/Kg
Date Reported:	4/23/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D064-24	**2BB-1A-7-4**	4/22/97	4/22/97	ND	1	Soil
1D064-25	**2BB-1A-7-10**	4/22/97	4/22/97	ND	1	Soil
1D064-26	**2BB-1A-7-20**	4/22/97	4/22/97	ND	1	Soil
1D064-27	**2BB-1A-7-30**	4/22/97	4/22/97	ND	1	Soil
1D064-28	**2BB-1A-7-40**	4/22/97	4/22/97	ND	1	Soil
1D064-29	**2BB-1A-7-50**	4/22/97	4/22/97	ND	1	Soil
1D064-30	**2BB-5-13-1**	4/23/97	4/23/97	**1700**	10	Soil
1D064-31	**2BB-5-13-4**	4/22/97	4/22/97	ND	1	Soil
1D064-32	**2BB-5-13-10**	4/22/97	4/22/97	ND	1	Soil
1D064-33	**2BB-5-13-15**	4/22/97	4/22/97	**14**	1	Soil
1D064-34	**2BB-5-13-20**	4/22/97	4/22/97	ND	1	Soil
1D064-35	**2BB-5-13-25**	4/22/97	4/22/97	ND	1	Soil
1D064-36	**2BB-5-3-4**	4/22/97	4/22/97	ND	1	Soil
1D064-37	**2BB-5-3-10**	4/22/97	4/22/97	ND	1	Soil
1D064-38	**2BB-5-3-20**	4/22/97	4/22/97	ND	1	Soil
1D064-39	**2BB-5-3-30**	4/22/97	4/22/97	ND	1	Soil
1D064-40	**2BB-5-3-40**	4/22/97	4/22/97	ND	1	Soil
1D064-41	**2BB-5-3-50**	4/22/97	4/22/97	ND	1	Soil
1D064-42	**2BB-5-14-1**	4/22/97	4/22/97	**75**	1	Soil
1D064-43	**2BB-5-14-4**	4/22/97	4/22/97	ND	1	Soil
1D064-44	**2BB-5-14-10**	4/22/97	4/22/97	ND	1	Soil
1D064-45	**2BB-5-14-15**	4/22/97	4/22/97	ND	1	Soil
1D064-46	**2BB-5-14-20**	4/22/97	4/22/97	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
DL - Dilution Factor

PROCEDURES
TRPH - This analysis was performed using EPA Method 418.1

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

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Laboratory Director

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Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/22/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/22/97	**Client:**	Kennedy/Jenks
Report Number:	1D064C.RPT	**Project:**	974002.00
Lab Number:	1D064	**Units Soil:**	mg/Kg
Date Reported:	4/23/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D064-47	**2BB-5-14-25**	4/22/97	4/22/97	ND	1	Soil
1D064-48	**2BB-36-16-1**	4/22/97	4/22/97	**43**	1	Soil
1D064-49	**2BB-36-16-4**	4/22/97	4/22/97	**20**	1	Soil
1D064-50	**2BB-36-16-10**	4/22/97	4/22/97	ND	1	Soil
1D064-51	**2BB-36-16-15**	4/22/97	4/22/97	ND	1	Soil
1D064-52	**2BB-36-16-20**	4/22/97	4/22/97	ND	1	Soil
1D064-53	**2BB-36-16-25**	4/22/97	4/22/97	ND	1	Soil
1D064-54	**2BB-5-4-4**	4/22/97	4/22/97	ND	1	Soil
1D064-55	**2BB-5-4-10**	4/22/97	4/22/97	ND	1	Soil
1D064-56	**2BB-5-4-20**	4/22/97	4/22/97	ND	1	Soil
1D064-57	**2BB-5-4-30**	4/22/97	4/22/97	ND	1	Soil
1D064-58	**2BB-5-4-40**	4/22/97	4/22/97	ND	1	Soil
1D064-59	**2BB-5-4-50**	4/22/97	4/22/97	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

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QC DATA REPORT
TRPH
EPA Method 418.1

Date Sampled:	4/18/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/21/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/21/97	**Project:**	974002.00
Date Extracted:	4/21/97	**Matrix:**	Soil
Report Number:	0421A.QAC	**Units:**	mg/Kg
Lab Number:	2BB-1A-1-50, 1D063-14		

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	24.6	98	0.0	25.3	101	22.5	90	11.7

DEFINITION OF TERMS:

- Analytes not detected at, or above the reporting limit
.S - 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:	4/21/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/21/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/21/97	**Project:**	974002.00
Date Extracted:	4/21/97	**Matrix:**	Soil
Report Number:	0421B.QAC	**Units:**	mg/Kg
Lab Number:	2BB-1A-4-50, 1D063-37		

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	26.0	104	0.0	26.3	105	24.6	98	6.7

DEFINITION OF TERMS:

- Analytes not detected at, or above the reporting limit
- 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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Analytical Laboratory Report
TPH-E Diesel, TPH-E Motor Oil
EPA Method 8015 Modified

Date Sampled:	4/22/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/22/97	**Client:**	Kennedy/Jenks
Report Number:	1D064E.RPT	**Project:**	McDonnell Douglas
Lab Number:	1D064	**Units Soil:**	mg/Kg
Date Reported:	4/24/97		

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TPH-E Diesel	TPH-E Motor Oil	TPH-E Sur. %	TPH-E DF	Matrix
1D064-01	**2BB-5-9-4**	4/22/97	4/23/97	ND	**120***	91	1	Soil
1D064-30	**2BB-5-13-1**	4/24/97	4/24/97	ND	ND	92	1	Soil
1D064-42	**2BB-5-14-1**	4/22/97	4/23/97	ND	ND	100	1	Soil
1D064-48	**2BB-36-16-1**	4/22/97	4/23/97	ND	**14**	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

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

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/22/97	4/22/97	4/22/97	4/22/97	4/22/97	4/22/97	4/22/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D064-01	1D064-02	1D064-03	1D064-04	1D064-05	1D064-06	1D064-07
		CLIENT SAMPLE ID :	2BB-5-19-4	2BB-5-19-10	2BB-5-19-15	2BB-5-19-20	2BB-5-19-25	2BB-1A-5A-4	2BB-1A-5A-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	13	14
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%	106%	101%	101%	100%	108%	108%
Toluene-d8	50	80%-115%	104%	106%	106%	106%	105%	105%	106%
4-Bromofluorobenzene	50	75%-125%	97%	99%	100%	100%	99%	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
M - Matrix effect confirmed

Gareth Voigt
Laboratory Director

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Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/22/97	4/22/97	4/22/97	4/22/97	4/22/97	4/22/97	4/22/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D064-08	1D064-09	1D064-10	1D064-11	1D064-12	1D064-13	1D064-14
		CLIENT SAMPLE ID :	2BB-1A-5A-20	2BB-1A-5A-30	2BB-1A-5A-40	2BB-1A-5A-50	2BB-5-11-1	2BB-5-11-4	2BB-5-11-10
		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	20	ND	ND	9.8	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%	98%	99%	100%	108%	109%	106%
Toluene-d8	50	80%-115%	106%	106%	105%	105%	104%	105%	105%
4-Bromofluorobenzene	50	75%-125%	99%	99%	98%	99%	97%	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

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Laboratory Director

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Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/22/97	4/22/97	4/22/97	4/22/97	4/22/97	4/22/97	4/22/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D064-15	1D064-16	1D064-17	1D064-18	1D064-19	1D064-20	1D064-21
CLIENT SAMPLE ID :			2BB-5-11-15	2BB-5-11-20	2BB-5-11-25	2BB-1A-6-4	2BB-1A-6-10	2BB-1A-6-20	2BB-1A-6-30
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	26	42	60	5.3
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%	101%	105%	108%	107%	104%	105%
Toluene-d8	50	80%-115%	105%	106%	105%	105%	106%	106%	105%
4-Bromofluorobenzene	50	75%-125%	100%	99%	99%	98%	98%	98%	99%

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

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/22/97	4/22/97	4/22/97	4/22/97	4/22/97	4/22/97	4/22/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D064-22	1D064-23	1D064-24	1D064-25	1D064-26	1D064-27	1D064-28
		CLIENT SAMPLE ID :	2BB-1A-6-40	2BB-1A-6-50	2BB-1A-7-4	2BB-1A-7-10	2BB-1A-7-20	2BB-1A-7-30	2BB-1A-7-40
		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	11	170	9.3	11	7.7	ND	24
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%	109%	103%	100%	104%	98%	103%
Toluene-d8	50	80%-115%	105%	106%	102%	101%	103%	101%	102%
4-Bromofluorobenzene	50	75%-125%	98%	97%	99%	99%	98%	96%	99%

Notes :

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

Gareth Voigt
Laboratory Director

MAY 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	4/22/97	4/23/97	4/23/97	4/22/97	4/22/97	4/22/97	4/23/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D064-29	1D064-30	1D064-31	1D064-32	1D064-33	1D064-34	1D064-35
		CLIENT SAMPLE ID :	2BB-1A-7-50	2BB-5-13-1	2BB-5-13-4	2BB-5-13-10	2BB-5-13-15	2BB-5-13-20	2BB-5-13-25
		EXTRACTION SOLVENT							
		EXTRACTION METHOD							
		DILUTION FACTOR	1	400	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	11000	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	1200	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	22	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	75000	6.4	ND	ND	ND	ND
o-Xylene		5	ND	44000	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	5100000**	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	103%	90%	105%	101%	103%	103%	104%
Toluene-d8	50	80%-115%	105%	111%	105%	104%	101%	103%	103%
4-Bromofluorobenzene	50	75%-125%	95%	97%	97%	97%	97%	96%	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
** Sample chromatogram does not match gasoline chromatogram

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			4/22/97	4/22/97	4/22/97	4/22/97	4/22/97	4/22/97	4/22/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D064-36	1D064-37	1D064-38	1D064-39	1D064-40	1D064-41	1D064-42
CLIENT SAMPLE ID :			2BB-5-3-4	2BB-5-3-10	2BB-5-3-20	2BB-5-3-30	2BB-5-3-40	2BB-5-3-50	2BB-5-14-1**
EXTRACTION SOLVENT									
EXTRACTION METHOD									
DILUTION FACTOR			1	1	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND	ND	ND	ND	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	10	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%	104%	103%	104%	100%	103%	104%	112%
Toluene-d8	50	80%-115%	103%	105%	105%	104%	104%	104%	105%
4-Bromofluorobenzene	50	75%-125%	97%	99%	97%	96%	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
** - Estimated 88 mg/Kg of 2-Ethyl-1-Hexanol in the sample

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			4/23/97	4/23/97	4/22/97	4/23/97	4/22/97	4/22/97	4/22/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D064-43	1D064-44	1D064-45	1D064-46	1D064-47	1D064-48	1D064-49
CLIENT SAMPLE ID : 2BB-			5-14-4	5-14-10	5-14-15	5-14-20	5-14-25	36-16-1	36-16-4
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	5.7
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	9.1	20
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%	93%	111%	108%	110%	112%	112%
Toluene-d8	50	80%-115%	110%	111%	105%	105%	106%	105%	105%
4-Bromofluorobenzene	50	75%-125%	89%	94%	98%	98%	95%	96%	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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ONSITE
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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/22/97	4/22/97	4/23/97	4/24/97	4/24/97	4/24/97	4/23/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D064-50	1D064-51	1D064-52	1D064-53	1D064-54	1D064-55	1D064-56
CLIENT SAMPLE ID :			2BB-36-16-10	2BB-36-16-15	2BB-36-16-20	2BB-36-16-25	2BB-5-4-4	2BB-5-4-10	2BB-5-4-20
EXTRACTION SOLVENT									
EXTRACTION METHOD									
DILUTION FACTOR			1	1	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	12	24	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	21	42	ND	12	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%	89%	90%	95%	92%	106%
Toluene-d8	50	80%-115%	105%	105%	110%	112%	111%	113%	106%
4-Bromofluorobenzene	50	75%-125%	98%	96%	92%	90%	90%	89%	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

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/23/97	4/23/97	4/23/97
		DATE EXTRACTED	N/A	N/A	N/A
		LAB SAMPLE ID	1D064-57	1D064-58	1D064-59
		CLIENT SAMPLE ID :	2BB-5-4-30	2BB-5-4-40	2BB-5-4-50
		EXTRACTION SOLVENT			
		EXTRACTION METHOD			
		DILUTION FACTOR	1	1	1
COMPOUND		CRDL			
Benzene		5	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND
Bromoform		5	ND	ND	ND
Bromomethane		5	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND
Chlorobenzene		5	ND	ND	ND
Chloroethane		5	ND	ND	ND
Chloroform		5	ND	ND	ND
Chloromethane		5	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	ND	ND	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND	ND	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND	ND	ND
1,2-Dichloropropane		5	ND	ND	ND
cis-1,3-Dichloropropene		5	ND	ND	ND
trans-1,3-Dichloropropene		5	ND	ND	ND
Ethyl benzene		5	ND	ND	ND
Methylene chloride (Dichloromethane)		5	ND	ND	ND
1,1,1,2-Tetrachloroethane		5	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND
Tetrachloroethene (PCE)		5	ND	ND	ND
Toluene		5	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND	ND	ND
Trichloroethene (TCE)		5	ND	ND	6.5
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND
o-Xylene		5	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	108%	90%	91%
Toluene-d8	50	80%-115%	105%	111%	110%
4-Bromofluorobenzene	50	75%-125%	98%	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

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QC DATA REPORT
TPH-E
EPA Method 8015 Modified

Date Analyzed:	4/22/97, 4/23/97	**Proj Mgr:**	Rus Purcell
Date Extracted:	4/22/97	**Client:**	Kennedy/Jenks
Report Number:	0422SD.QAC	**Project:**	974002.00
Lab Number:	DIESEL: 2BB-6-14-4, 1D062-09	**Matrix:**	Soil
	MOTOR OIL: 2BB-1-26-50, 1D063-07	**Units:**	mg/Kg

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	105	105	0.0	81.6	82	80.5	8	1.4
TPH-E mo	ND	107	109	102	0.0	115	107	133	124	14.5
surr %rec dies.	99			95	87		83		86	
surr %rec mo				87	108		90		102	

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:	4/22/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/22/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/22/97	**Project:**	974002.00
Date Extracted:	4/22/97	**Matrix:**	Soil
Report Number:	0422C.QAC	**Units:**	mg/Kg
Lab Number:	2BB-5-14-25, 1D064-47		

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	24.6	98	0.0	27.4	110	24.5	97	12.0

DEFINITION OF TERMS:

- Analytes not detected at, or above the reporting limit
- 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:	4/22/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/22/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/22/97	**Project:**	974002.00
Date Extracted:	4/22/97	**Matrix:**	Soil
Report Number:	0422B.QAC	**Units:**	mg/Kg
Lab Number:	2BB-1A-7-50, 1D064-29		

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	22.9	92	0.0	24.6	98	26.5	105	6.7

DEFINITION OF TERMS:

- Analytes not detected at, or above the reporting limit
- 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:	4/22/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/22/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/22/97	**Project:**	974002.00
Date Extracted:	4/22/97	**Matrix:**	Soil
Report Number:	0422A.QAC	**Units:**	mg/Kg
Lab Number:	2BB-1A-5A-50, 1D064-11		

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	28.1	112	0.0	22.9	92	26.7	107	15.3

DEFINITION OF TERMS:

- Analytes not detected at, or above the reporting limit
- 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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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: 4/22/97
SUPPLY SOURCE: Absolut Standards, Inc. **LAB LCS ID:** LCS 4/22 #1 MS2
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/22 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	25.3	101%	85%-115%
Bromodichloromethane		ND	25	25.6	103%	85%-115%
Bromoform		ND	25	25.4	102%	85%-115%
Bromomethane		ND	25	20.6	82%	85%-115%
Carbon tetrachloride		ND	25	25.3	101%	85%-115%
Chlorobenzene		ND	25	24.9	100%	85%-115%
Chloroethane		ND	25	22.0	88%	85%-115%
Chloroform		ND	25	25.4	102%	85%-115%
Chloromethane		ND	25	22.6	91%	85%-115%
Dibromochloromethane		ND	25	25.9	103%	85%-115%
1,2-Dichlorobenzene		ND	25	25.9	103%	85%-115%
1,3-Dichlorobenzene		ND	25	25.9	104%	85%-115%
1,4-Dichlorobenzene		ND	25	25.7	103%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	20.6	82%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	25.7	103%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	26.0	104%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	26.2	105%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	25.4	101%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	25.9	104%	85%-115%
1,2-Dichloropropane		ND	25	25.8	103%	85%-115%
cis-1,3-Dichloropropene		ND	25	25.9	104%	85%-115%
trans-1,3-Dichloropropene		ND	25	25.6	103%	85%-115%
Ethyl benzene		ND	25	25.1	100%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	25.6	102%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	24.4	98%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	26.8	107%	85%-115%
Tetrachloroethene (PCE)		ND	25	25.0	100%	85%-115%
Toluene		ND	25	25.3	101%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	25.4	101%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	25.7	103%	85%-115%
Trichloroethene (TCE)		ND	25	25.2	101%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	19.8	79%	85%-115%
m,p-Xylenes		ND	50	49.7	99%	85%-115%
o-Xylene		ND	25	24.6	98%	85%-115%
Vinyl chloride (VC)		ND	25	19.0	76%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	99%		102%		
Toluene-d8	50	97%		101%		
4-Bromofluorobenzene	50	94%		101%		

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

Gareth Voigt
Laboratory Director

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Date

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Project No: 974002.00

LABORATORY QA/QC REPORT FOR ORGANICS

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

DATE PERFORMED: 4/22/97
BATCH #: 0422-1
LAB SAMPLE ID #: 1D064-29

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	135	108%	125	143	115%	6%	70%-130%	20
Chlorobenzene		ND	125	123	98%	125	135	108%	9%	70%-130%	20
Chloroform		ND	125	136	108%	125	148	119%	9%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	143	114%	125	154	123%	7%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	141	113%	125	154	123%	9%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	149	119%	125	154	124%	4%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	132	106%	125	148	119%	11%	70%-130%	20
Toluene		ND	125	133	106%	125	144	115%	8%	70%-130%	20
Trichloroethene (TCE)		22.2	125	133	89%	125	147	100%	10%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	103%		105%			108%				
Toluene-d8	50	105%		104%			105%				
4-Bromofluorobenzene	50	95%		97%			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

Garth Voigt
Laboratory Director

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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: 4/22/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/22 #1 MS3
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/22 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	27.2	109%	85%-115%
Bromodichloromethane		ND	25	25.9	104%	85%-115%
Bromoform		ND	25	22.0	88%	85%-115%
Bromomethane		ND	25	20.7	83%	85%-115%
Carbon tetrachloride		ND	25	26.0	104%	85%-115%
Chlorobenzene		ND	25	25.9	104%	85%-115%
Chloroethane		ND	25	26.8	107%	85%-115%
Chloroform		ND	25	28.2	113%	85%-115%
Chloromethane		ND	25	28.8	115%	85%-115%
Dibromochloromethane		ND	25	24.3	97%	85%-115%
1,2-Dichlorobenzene		ND	25	26.2	105%	85%-115%
1,3-Dichlorobenzene		ND	25	26.6	106%	85%-115%
1,4-Dichlorobenzene		ND	25	26.3	105%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	25.0	100%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	29.5	118%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	27.4	110%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	27.2	109%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	27.4	110%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	27.4	110%	85%-115%
1,2-Dichloropropane		ND	25	27.4	110%	85%-115%
cis-1,3-Dichloropropene		ND	25	27.0	108%	85%-115%
trans-1,3-Dichloropropene		ND	25	27.1	108%	85%-115%
Ethyl benzene		ND	25	25.6	102%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	27.4	110%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	23.9	96%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	27.4	110%	85%-115%
Tetrachloroethene (PCE)		ND	25	23.4	94%	85%-115%
Toluene		ND	25	26.5	106%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	28.9	116%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	25.2	101%	85%-115%
Trichloroethene (TCE)		ND	25	25.5	102%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	21.5	86%	85%-115%
m,p-Xylenes		ND	50	51.9	104%	85%-115%
o-Xylene		ND	25	26.6	106%	85%-115%
Vinyl chloride (VC)		ND	25	23.2	93%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	107%		107%		
Toluene-d8	50	104%		106%		
4-Bromofluorobenzene	50	97%		99%		

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

Gareth Voigt
Laboratory Director

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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: 4/22/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/22 #2 MS3
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/22 #2	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	26.9	108%	85%-115%
Bromodichloromethane		ND	25	26.2	105%	85%-115%
Bromoform		ND	25	22.4	90%	85%-115%
Bromomethane		ND	25	20.6	83%	85%-115%
Carbon tetrachloride		ND	25	26.0	104%	85%-115%
Chlorobenzene		ND	25	25.6	102%	85%-115%
Chloroethane		ND	25	26.7	107%	85%-115%
Chloroform		ND	25	28.7	115%	85%-115%
Chloromethane		ND	25	27.3	109%	85%-115%
Dibromochloromethane		ND	25	24.6	99%	85%-115%
1,2-Dichlorobenzene		ND	25	26.1	104%	85%-115%
1,3-Dichlorobenzene		ND	25	26.1	104%	85%-115%
1,4-Dichlorobenzene		ND	25	25.9	104%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	24.4	97%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	29.8	119%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	27.7	111%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	27.3	109%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	27.5	110%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	27.9	112%	85%-115%
1,2-Dichloropropane		ND	25	27.4	110%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.4	106%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.7	107%	85%-115%
Ethyl benzene		ND	25	24.0	96%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	27.4	110%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	23.9	95%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	28.7	115%	85%-115%
Tetrachloroethene (PCE)		ND	25	23.2	93%	85%-115%
Toluene		ND	25	26.1	104%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	29.3	117%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	25.6	102%	85%-115%
Trichloroethene (TCE)		ND	25	25.5	102%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	20.3	81%	85%-115%
m,p-Xylenes		ND	50	50.3	101%	85%-115%
o-Xylene		ND	25	26.0	104%	85%-115%
Vinyl chloride (VC)		ND	25	22.7	91%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	110%		110%		
Toluene-d8	50	105%		106%		
4-Bromofluorobenzene	50	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

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Laboratory Director

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Project No: 974002.00

LABORATORY QA/QC REPORT FOR ORGANICS

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

DATE PERFORMED: 4/22/97
BATCH #: 0422-2
LAB SAMPLE ID #: 1D064-11

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	138	110%	125	141	112%	2%	70%-130%	20
Chlorobenzene		ND	125	126	101%	125	133	106%	5%	70%-130%	20
Chloroform		ND	125	144	115%	125	146	117%	2%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	155	124%	125	157	126%	1%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	145	116%	125	151	121%	4%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	141	113%	125	142	113%	1%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	179	143%	125	205	164%	14%	70%-130%	20
Toluene		ND	125	133	106%	125	138	110%	4%	70%-130%	20
Trichloroethene (TCE)		9.8	125	135	100%	125	142	106%	5%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	100%		106%			105%				
Toluene-d8	50	105%		105%			106%				
4-Bromofluorobenzene	50	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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ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Project No: 974002.00

LABORATORY QA/QC REPORT FOR ORGANICS

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

DATE PERFORMED: 4/22/97
BATCH #: 0422-4
LAB SAMPLE ID #: 1D064-17

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD *	%MSD	RPD **	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	141	113%	125	-	-	7%	70%-130%	20
Chlorobenzene		ND	125	138	110%	125	-	-	9%	70%-130%	20
Chloroform		ND	125	153	123%	125	-	-	9%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	163	130%	125	-	-	6%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	150	120%	125	-	-	6%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	151	121%	125	-	-	5%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	223	178%	125	-	-	13%	70%-130%	20
Toluene		ND	125	139	111%	125	-	-	8%	70%-130%	20
Trichloroethene (TCE)		ND	125	149	120%	125	-	-	8%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	105%		107%			-				
Toluene-d8	50	105%		106%			-				
4-Bromofluorobenzene	50	99%		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
* - Wrong amount of internal/surrogate standard mix was injected
** - RPD was calculated using areas of qualified ion for the spiking compounds

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: 4/22/97

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

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

Normal Hours and Overtime Hours Worked:

Normal Hours 10

Overtime Hours 2

Reason for Overtime

Sample Volume and Matrix

Samples Received and Matrix 59 soils for 8260 (8010/8020 9057 & 418.1

Time Last Samples Received

Client Issues Raised:

ONSITE Action Plan:

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE ENVIRONMENTAL LABORATORIES, INC.
[redacted]
5500 Boscell Common Fremont, CA 94... Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	~~DAC~~ 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. 92612
Phone:	714-261-1577
Fax:	

Date:	4-22-97
Page:	of
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8010/8020 by GC/MS	418.1				No. Containers	Remarks
2BB-5-3-4	4-22-97	1250	Soil	SLS	1450	MY	10064-36				X	X				1	
2BB-5-3-10	"	1255	"	"	"		37				X	X				1	
2BB-5-3-20	"	1305	"	"	"		38				X	X				1	
2BB-5-3-30	"	1310	"	"	"		39				X	X				1	
2BB-5-3-40	"	1315	"	"	"		40				X	X				1	
2BB-5-3-50	"	1320	"	"	"		41				X	X				1	
2BB-5-14-1	"	1258	"	"	"		42				X	X				1	
2BB-5-14-4	"	1302	"	"	"		43				X	X				1	
2BB-5-14-10	"	1309	"	"	"		44				X	X				1	
2BB-5-14-15	"	1316	"	"	"		45				X	X				1	
2BB-5-14-20	"	1324	"	"	"		46				X	X				1	
2BB-5-14-25	"	1335	"	"	"		47				X	X				1	

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

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

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

BOE-C6-0106392

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94. 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. 92612
Phone:	714-261-1577
Fax:	

Date:	4-22-97
Page:	of
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	TPH as Diesel (8015M)	418.1				No. Containers	Remarks
2BB-36-16-1	4-22-97	1423	Soil	SLS	1545	MY	1D064-48				X	X				1	
2BB-36-16-4	"	1427	"	"			49				X	X				1	
2BB-36-16-10	"	1434	"	"			50				X	X				1	
2BB-36-16-15	"	1444	"	"			51				X	X				1	
2BB-36-16-20	"	1452	"	"			52				X	X				1	
2BB-36-16-25	"	1507	"	"			53				X	X				1	
2BB-~~36~~ 5-4-4	"	1415	"	"			54				X	X				1	
2BB-5-4-10	"	1420	"	"			55				X	X				1	
2BB-5-4-20	"	1435	"	"			56				X	X				1	
2BB-5-4-30	"	1445	"	"			57				X	X				1	
2BB-5-4-40	"	1450	"	"			58				X	X				1	
2BB-5-4-50	"	1500	"	"			59				X	X				1	

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

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

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

BOE-C6-0106393

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94 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. 92612
Phone:	714-261-1577
Fax:	

Date:	4/22/97
Page:	1 of
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8010/8020 by GC/MS	418.1				No. Containers	Remarks
2BB - 5-19-4	4-22-97	0823	Soil	SLS	0900	MY	1D06Y-01				X	X				1	
2BB - 5-19-10	"	0828	"	"	"		02				X	X				1	
2BB - 5-19-15	"	0835	"	"	"		03				X	X				1	
2BB - 5-19-20	"	0843	"	"	"		04				X	X				1	
2BB - 5-19-25	"	0853	"	"	"		05				X	X				1	
2BB - 1A - 5A - 4	"	0810	"	"	0930		06				X	X				1	
2BB - 1A - 5A - 10	"	0815	"	"	"		07				X	X				1	
2BB - 1A - 5A - 20	"	0820	"	"	"		08				X	X				1	
2BB - 1A - 5A - 30	"	0825	"	"	"		09				X	X				1	
2BB - 1A - 5A - 40	"	0835	"	"	"		10				X	X				1	
2BB - 1A - 5A - 50	"	0840	"	"	"		11				X	X				1	

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

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

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

BOE-C6-0106394

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 9[illegible] 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. 92612
Phone:	714-261-1577
Fax:	

Date:	4-22-97
Page:	2 of
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8010/8020 by GC/MS	418.1				No. Containers	Remarks
2BB-5-11-1	4-22-97	0937	Soil	SS	1015	MY	1D064-12				X	X				1	
2BB-5-11-4	"	0943	"	"			13				X	X				1	
2BB-5-11-10	"	0949	"	"			14				X	X				1	
2BB-5-11-15	"	0954	"	"			15				X	X				1	
2BB-5-11-20	"	1000	"	"			16				X	X				1	
2BB-5-11-25	"	1008	"	"			17				X	X				1	
2BB-1A-6-4	"	0930	"	"			18				X	X				1	
2BB-1A-6-10	"	0935	"	"			19				X	X				1	
2BB-1A-6-20	"	0940	"	"			20				X	X				1	
2BB-1A-6-30	"	0945	"	"			21				X	X				1	
2BB-1A-6-40	"	0950	"	"			22				X	X				1	
2BB-1A-6-50	"	1000	"	"			23				X	X				1	

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-C6-0106395

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 1 of 1

REQUIRED TAT: ____

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

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	3010/8020	418.1							REMARKS/PRECAUTIONS
2BB-1A-7-4	1	4/22/97	1040	soil	Brass		X	X							1D064-24
2BB-1A-7-10	1		1045				X	X							25
2BB-1A-7-20	1		1050				X	X							26
2BB-1A-7-30	1		1100				X	X							27
2BB-1A-7-40	1		1105				X	X							28
2BB-1A-7-50	1		1115				X	X							29
2BB-5-13-1	1		1040				X	X							30
2BB-5-13-4	1		1046				X	X							31
2BB-5-13-10	1		1051				X	X							32
2BB-5-13-15	1		1056				X	X							33
2BB-5-13-20	1		1104				X	X							34
2BB-5-13-25	1		1113				X	X							35

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	4/22/97 1207	Michael Jurosky	4/22/97 1207
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-C6-0106396

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/23/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/23/97	**Client:**	Kennedy/Jenks
Report Number:	1D065A.RPT	**Project:**	974002.00
Lab Number:	1D065	**Units Soil:**	mg/Kg
Date Reported:	4/24/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D065-01	**2BB-5-10-1**	4/23/97	4/23/97	ND	1	Soil
1D065-02	**2BB-5-10-4**	4/23/97	4/23/97	ND	1	Soil
1D065-03	**2BB-5-10-10**	4/23/97	4/23/97	ND	1	Soil
1D065-04	**2BB-6-1-4**	4/23/97	4/23/97	ND	1	Soil
1D065-05	**2BB-6-1-10**	4/23/97	4/23/97	ND	1	Soil
1D065-06	**2BB-6-1-20**	4/23/97	4/23/97	ND	1	Soil
1D065-07	**2BB-6-1-30**	4/23/97	4/23/97	ND	1	Soil
1D065-08	**2BB-6-1-40**	4/23/97	4/23/97	ND	1	Soil
1D065-09	**2BB-6-1-50**	4/23/97	4/23/97	ND	1	Soil
1D065-10	**2BB-5-12-1**	4/23/97	4/23/97	ND	1	Soil
1D065-11	**2BB-5-12-4**	4/23/97	4/23/97	ND	1	Soil
1D065-12	**2BB-5-12-10**	4/23/97	4/23/97	ND	1	Soil
1D065-13	**2BB-6-2-1**	4/23/97	4/23/97	ND	1	Soil
1D065-14	**2BB-6-2-4**	4/23/97	4/23/97	ND	1	Soil
1D065-15	**2BB-6-2-10**	4/23/97	4/23/97	ND	1	Soil
1D065-16	**2BB-6-2-20**	4/23/97	4/23/97	ND	1	Soil
1D065-17	**2BB-6-2-30**	4/23/97	4/23/97	ND	1	Soil
1D065-18	**2BB-6-2-40**	4/23/97	4/23/97	ND	1	Soil
1D065-19	**2BB-6-2-50**	4/23/97	4/23/97	ND	1	Soil
1D065-20	**2BB-5-16-1**	4/23/97	4/23/97	**410**	10	Soil
1D065-21	**2BB-5-16-4**	4/23/97	4/23/97	**440**	10	Soil
1D065-22	**2BB-5-16-7**	4/23/97	4/23/97	**6200**	100	Soil
1D065-23	**2BB-5-16-10**	4/23/97	4/23/97	**23000**	100	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 Hoscell Common, Fremont, CA 94538 (510) 490-8571

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/23/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/23/97	**Client:**	Kennedy/Jenks
Report Number:	1D065B.RPT	**Project:**	974002.00
Lab Number:	1D065	**Units Soil:**	mg/Kg
Date Reported:	4/24/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D065-24	**2BB-5-16-15**	4/23/97	4/23/97	ND	1	Soil
1D065-25	**2BB-5-16-20**	4/23/97	4/23/97	ND	1	Soil
1D065-26	**2BB-5-16-25**	4/23/97	4/23/97	ND	1	Soil
1D065-27	**2BB-36-15-4**	4/23/97	4/23/97	**51**	1	Soil
1D065-28	**2BB-36-15-10**	4/23/97	4/23/97	ND	1	Soil
1D065-29	**2BB-36-15-15**	4/23/97	4/23/97	ND	1	Soil
1D065-30	**2BB-36-15-20**	4/23/97	4/23/97	ND	1	Soil
1D065-31	**2BB-36-15-25**	4/23/97	4/23/97	ND	1	Soil
1D065-32	**2BB-6-3-1**	4/23/97	4/23/97	ND	1	Soil
1D065-33	**2BB-6-3-4**	4/23/97	4/23/97	ND	1	Soil
1D065-34	**2BB-6-3-10**	4/23/97	4/23/97	ND	1	Soil
1D065-35	**2BB-6-3-20**	4/23/97	4/23/97	ND	1	Soil
1D065-36	**2BB-6-3-30**	4/23/97	4/23/97	ND	1	Soil
1D065-37	**2BB-6-3-40**	4/23/97	4/23/97	ND	1	Soil
1D065-38	**2BB-6-3-50**	4/23/97	4/23/97	ND	1	Soil
1D065-39	**2BB-1-27A-1**	4/23/97	4/23/97	ND	1	Soil
1D065-40	**2BB-1-27A-4**	4/23/97	4/23/97	**19**	1	Soil
1D065-41	**2BB-1-27A-10**	4/23/97	4/23/97	ND	1	Soil
1D065-42	**2BB-1-27B-1**	4/23/97	4/23/97	**23**	1	Soil
1D065-43	**2BB-1-27B-4**	4/23/97	4/23/97	ND	1	Soil
1D065-44	**2BB-1-27B-10**	4/23/97	4/23/97	ND	1	Soil
1D065-45	**2BB-6-4-4**	4/23/97	4/23/97	ND	1	Soil
1D065-46	**2BB-6-4-10**	4/23/97	4/23/97	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 Bolcell Common, Fremont, CA 94538 (510) 490-8571

Gareth Voigt
Laboratory Director

JUN 04 1997
Date

Printed on recycled paper.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/23/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/23/97	**Client:**	Kennedy/Jenks
Report Number:	1D065B.RPT	**Project:**	974002.00
Lab Number:	1D065	**Units Soil:**	mg/Kg
Date Reported:	4/24/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D065-47	**2BB-6-4-20**	4/23/97	4/23/97	ND	1	Soil
1D065-48	**2BB-6-4-30**	4/23/97	4/23/97	ND	1	Soil
1D065-49	**2BB-6-4-40**	4/23/97	4/23/97	ND	1	Soil
1D065-50	**2BB-6-4-50**	4/23/97	4/23/97	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 0 9 1997
Date

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

Date Sampled:	4/23/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/23/97	**Client:**	Kennedy/Jenks
Report Number:	1D065E.RPT	**Project:**	McDonnell Douglas
Lab Number:	1D065	**Units Soil:**	mg/Kg
Date Reported:	4/27/97		

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TPH-E Diesel	TPH-E Motor Oil	TPH-E Sur. %	TPH-E DF	Matrix
1D065-20	**2BB-5-16-1**	4/24/97	4/25/97	ND	**200***	80	1	Soil
1D065-21	**2BB-5-16-4**	4/24/97	4/25/97	ND	**140***	65	1	Soil
1D065-22	**2BB-5-16-7**	4/24/97	4/24/97	**18,000***	ND	D	100	Soil
1D065-23	**2BB-5-16-10**	4/24/97	4/24/97	**15,000***	ND	D	100	Soil
1D065-27	**2BB-36-15-4**	4/24/97	4/24/97	ND	ND	72	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

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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	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D065-01	1D065-02	1D065-03	1D065-04	1D065-05	1D065-06	1D065-07
		CLIENT SAMPLE ID :	2BB-5-10-1	2BB-5-10-4	2BB-5-10-10	2BB-6-1-4	2BB-6-1-10	2BB-6-1-20	2BB-6-1-30
		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%	108%	109%	107%	93%	92%	91%	91%
Toluene-d8	50	80%-115%	106%	104%	105%	111%	111%	112%	111%
4-Bromofluorobenzene	50	75%-125%	97%	95%	98%	93%	91%	91%	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
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	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D065-08	1D065-09	1D065-10	1D065-11	1D065-12	1D065-13	1D065-14
		CLIENT SAMPLE ID :	2BB-6-1-40	2BB-6-1-50	2BB-5-12-1	2BB-5-12-4	2BB-5-12-10	2BB-6-2-1	2BB-6-2-4
		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	**15**	**52**	ND	ND	ND	ND	**9.6**
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%	93%	111%	109%	109%	91%	93%
Toluene-d8	50	80%-115%	111%	110%	104%	105%	105%	112%	110%
4-Bromofluorobenzene	50	75%-125%	89%	91%	96%	95%	96%	92%	93%

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

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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			4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D065-15	1D065-16	1D065-17	1D065-18	1D065-19	1D065-20	1D065-21
CLIENT SAMPLE ID :			2BB-6-2-10	2BB-6-2-20	2BB-6-2-30	2BB-6-2-40	2BB-6-2-50	2BB-5-16-1	2BB-5-16-4
EXTRACTION SOLVENT									
EXTRACTION METHOD									
DILUTION FACTOR			1	1	1	1	1	1.9	1.5
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	9.1	ND	16	19	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%	86%	92%	90%	89%	93%	112%	113%
Toluene-d8	50	80%-115%	110%	111%	111%	112%	112%	104%	104%
4-Bromofluorobenzene	50	75%-125%	91%	93%	93%	92%	91%	95%	93%

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

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97
DATE EXTRACTED			4/22/97	4/23/97	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D065-22	1D065-23	1D065-24	1D065-25	1D065-26	1D065-27	1D065-28
CLIENT SAMPLE ID			2BB-5-16-7	2BB-5-16-10	2BB-5-16-15	2BB-5-16-20	2BB-5-16-25	2BB-36-15-4	2BB-36-15-10
EXTRACTION SOLVENT			MEOH	MEOH					
EXTRACTION METHOD			3580A	3580A					
DILUTION FACTOR			100	200	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	120	32
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	170	33
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	300000**	530000**	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	95%	91%	107%	90%	88%	110%	109%
Toluene-d8	50	80%-115%	111%	111%	105%	111%	111%	104%	105%
4-Bromofluorobenzene	50	75%-125%	94%	95%	99%	89%	92%	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
** - Sample chromatogram dos not match gasoline standard chromatogram

Gareth Voigt
Laboratory Director

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Date

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LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

		DATE ANALYZED	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D065-29	1D065-30	1D065-31	1D065-32	1D065-33	1D065-34	1D065-35
		CLIENT SAMPLE ID :	2BB-36-15-15	2BB-36-15-20	2BB-36-15-25	2BB-6-3-1	2BB-6-3-4	2BB-6-3-10	2BB-6-3-20
		EXTRACTION SOLVENT							
		EXTRACTION METHOD							
		DILUTION FACTOR	1	1	1	1	1	1	1
COMPOUND		CRDL							
Benzene		5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		5	ND	ND	ND	ND	ND	ND	ND
Bromomethane		5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Chloroethane		5	ND	ND	ND	ND	ND	ND	ND
Chloroform		5	ND	ND	ND	ND	ND	ND	ND
Chloromethane		5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)		5	92	21	78	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	89	35	78	23	ND	13	5.9
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%	110%	114%	113%	108%	108%	108%	108%
Toluene-d8	50	80%-115%	105%	105%	106%	104%	105%	107%	105%
4-Bromofluorobenzene	50	75%-125%	96%	96%	96%	93%	100%	100%	98%

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

Gareth Voigt
Laboratory Director

MAY 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	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/24/97
		DATE EXTRACTED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		LAB SAMPLE ID	1D065-36	1D065-37	1D065-38	1D065-39	1D065-40	1D065-41	1D065-42
		CLIENT SAMPLE ID :	2BB-6-3-30	2BB-6-3-40	2BB-6-3-50	2BB-1-27A-1	2BB-1-27A-4	2BB-1-27A-10	2BB-1-27B-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	34	6.2	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	5.1	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%	104%	107%	106%	92%	95%	94%	86%
Toluene-d8	50	80%-115%	105%	105%	106%	111%	109%	114%	108%
4-Bromofluorobenzene	50	75%-125%	99%	99%	98%	90%	85%	90%	90%

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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ONSITE
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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97	4/23/97
DATE EXTRACTED			N/A	N/A	N/A	N/A	N/A	N/A	N/A
LAB SAMPLE ID			1D065-43	1D065-44	1D065-45	1D065-46	1D065-47	1D065-48	1D065-49
CLIENT SAMPLE ID : 2BB-			1-27B-4	1-27B-10	6-4-4	6-4-10	6-4-20	6-4-30	6-4-40
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	17	33	16	34	15
Trichlorofluoromethane (Freon 11)		5	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes		5	ND	ND	ND	ND	ND	ND	ND
o-Xylene		5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)		5	ND	ND	ND	ND	ND	ND	ND
TPH as gasoline		1000	ND	ND	ND	ND	ND	ND	ND
SURROGATE	SPK conc	ACP %	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Dibromofluoromethane	50	75%-120%	94%	92%	108%	107%	107%	108%	105%
Toluene-d8	50	80%-115%	110%	111%	106%	105%	105%	105%	105%
4-Bromofluorobenzene	50	75%-125%	89%	90%	98%	99%	97%	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
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	4/23/97
		DATE EXTRACTED	N/A
		LAB SAMPLE ID	1D065-50
		CLIENT SAMPLE ID : 2BB-	6-4-55
		EXTRACTION SOLVENT	
		EXTRACTION METHOD	
		DILUTION FACTOR	1
COMPOUND		CRDL	
Benzene		5	ND
Bromodichloromethane		5	ND
Bromoform		5	ND
Bromomethane		5	ND
Carbon tetrachloride		5	ND
Chlorobenzene		5	ND
Chloroethane		5	ND
Chloroform		5	ND
Chloromethane		5	ND
Dibromochloromethane		5	ND
1,2-Dichlorobenzene		5	ND
1,3-Dichlorobenzene		5	ND
1,4-Dichlorobenzene		5	ND
Dichlorodifluoromethane (Freon 12)		5	ND
1,1-Dichloroethane (1,1-DCA)		5	ND
1,2-Dichloroethane (1,2-DCA)		5	ND
1,1-Dichloroethene (1,1-DCE)		5	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND
1,2-Dichloropropane		5	ND
cis-1,3-Dichloropropene		5	ND
trans-1,3-Dichloropropene		5	ND
Ethyl benzene		5	ND
Methylene chloride (Dichloromethane)		5	ND
1,1,1,2-Tetrachloroethane		5	ND
1,1,2,2-Tetrachloroethane		5	ND
Tetrachloroethene (PCE)		5	ND
Toluene		5	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND
Trichloroethene (TCE)		5	13
Trichlorofluoromethane (Freon 11)		5	ND
m,p-Xylenes		5	ND
o-Xylene		5	ND
Vinyl chloride (VC)		5	ND
TPH as gasoline		1000	ND
SURROGATE	SPK conc	ACP %	%RC
Dibromofluoromethane	50	75%-120%	108%
Toluene-d8	50	80%-115%	106%
4-Bromofluorobenzene	50	75%-125%	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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QC DATA REPORT
TRPH
EPA Method 418.1

Date Sampled:	4/23/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/23/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/23/97	**Project:**	974002.00
Date Extracted:	4/23/97	**Matrix:**	Soil
Report Number:	0423C.QAC	**Units:**	mg/Kg
Lab Number:	2BB-6-4-50, 1D065-50		

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	23.9	96	0.0	25.3	101	27.0	108	6.5

DEFINITION OF TERMS:

- Analytes not detected at, or above the reporting limit
- 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:	4/23/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/23/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/23/97	**Project:**	974002.00
Date Extracted:	4/23/97	**Matrix:**	Soil
Report Number:	0423B.QAC	**Units:**	mg/Kg
Lab Number:	2BB-36-15-25, 1D065-31		

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	27.7	111	26.3	105	5.2

DEFINITION OF TERMS:

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

LABORATORY QC CRITERIA

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

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LABORATORIES, INC.

QC DATA REPORT
TRPH
EPA Method 418.1

Date Sampled:	4/23/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/23/97	**Client:**	Kennedy/Jenks
Date Analyzed:	4/23/97	**Project:**	974002.00
Date Extracted:	4/23/97	**Matrix:**	Soil
Report Number:	0423A.QAC	**Units:**	mg/Kg
Lab Number:	2BB-5-12-10, 1D065-12		

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	23.6	94	0.0	24.6	98	25.3	101	2.8

DEFINITION OF TERMS:

- Analytes not detected at, or above the reporting limit
S - 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 Furcell
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: 4/23/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/23 #1 MS2
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/23 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	27.5	110%	85%-115%
Bromodichloromethane		ND	25	26.8	107%	85%-115%
Bromoform		ND	25	22.7	91%	85%-115%
Bromomethane		ND	25	24.3	97%	85%-115%
Carbon tetrachloride		ND	25	25.1	100%	85%-115%
Chlorobenzene		ND	25	24.2	97%	85%-115%
Chloroethane		ND	25	25.8	103%	85%-115%
Chloroform		ND	25	28.0	112%	85%-115%
Chloromethane		ND	25	30.5	122%	85%-115%
Dibromochloromethane		ND	25	23.4	94%	85%-115%
1,2-Dichlorobenzene		ND	25	25.4	102%	85%-115%
1,3-Dichlorobenzene		ND	25	25.8	103%	85%-115%
1,4-Dichlorobenzene		ND	25	25.4	101%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	22.4	90%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	28.8	115%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	27.3	109%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	29.6	119%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	28.4	114%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	28.5	114%	85%-115%
1,2-Dichloropropane		ND	25	27.5	110%	85%-115%
cis-1,3-Dichloropropene		ND	25	27.2	109%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.4	106%	85%-115%
Ethyl benzene		ND	25	25.4	102%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	28.9	115%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	22.4	89%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	28.2	113%	85%-115%
Tetrachloroethene (PCE)		ND	25	22.6	91%	85%-115%
Toluene		ND	25	26.9	108%	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	27.2	109%	85%-115%
Trichloroethene (TCE)		ND	25	26.4	105%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	21.7	87%	85%-115%
m,p-Xylenes		ND	50	48.1	96%	85%-115%
o-Xylene		ND	25	24.1	96%	85%-115%
Vinyl chloride (VC)		ND	25	24.4	97%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	106%		105%		
Toluene-d8	50	106%		106%		
4-Bromofluorobenzene	50	93%		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: 4/23/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/23 #2 MS2
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/23 #2	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	29.2	117%	85%-115%
Bromodichloromethane		ND	25	27.4	110%	85%-115%
Bromoform		ND	25	23.4	94%	85%-115%
Bromomethane		ND	25	29.5	118%	85%-115%
Carbon tetrachloride		ND	25	23.9	96%	85%-115%
Chlorobenzene		ND	25	23.2	93%	85%-115%
Chloroethane		ND	25	24.2	97%	85%-115%
Chloroform		ND	25	26.4	106%	85%-115%
Chloromethane		ND	25	31.8	127%	85%-115%
Dibromochloromethane		ND	25	23.3	93%	85%-115%
1,2-Dichlorobenzene		ND	25	25.2	101%	85%-115%
1,3-Dichlorobenzene		ND	25	25.0	100%	85%-115%
1,4-Dichlorobenzene		ND	25	24.5	98%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	21.4	86%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	25.0	100%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	26.4	105%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	27.9	111%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	26.8	107%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	27.4	110%	85%-115%
1,2-Dichloropropane		ND	25	26.3	105%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.7	107%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.6	106%	85%-115%
Ethyl benzene		ND	25	26.0	104%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	28.5	114%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	23.3	93%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	25.4	102%	85%-115%
Tetrachloroethene (PCE)		ND	25	24.9	100%	85%-115%
Toluene		ND	25	29.1	116%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	24.3	97%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	28.6	114%	85%-115%
Trichloroethene (TCE)		ND	25	27.2	109%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	18.8	75%	85%-115%
m,p-Xylenes		ND	50	47.1	94%	85%-115%
o-Xylene		ND	25	23.6	94%	85%-115%
Vinyl chloride (VC)		ND	25	25.8	103%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	95%		94%		
Toluene-d8	50	113%		111%		
4-Bromofluorobenzene	50	91%		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

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: 4/23/97
BATCH #: 0423-1
LAB SAMPLE ID #: 1D065-19

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	128	102%	125	151	120%	16%	70%-130%	20
Chlorobenzene		ND	125	101	81%	125	118	95%	16%	70%-130%	20
Chloroform		ND	125	112	89%	125	129	103%	15%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	109	87%	125	126	101%	15%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	119	95%	125	138	110%	15%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	125	100%	125	147	117%	16%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	151	121%	125	177	142%	16%	70%-130%	20
Toluene		ND	125	128	103%	125	149	119%	15%	70%-130%	20
Trichloroethene (TCE)		19.2	125	208M	151%	125	167 M	118%	22%M	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	93%		91%			89%				
Toluene-d8	50	112%		110%			111%				
4-Bromofluorobenzene	50	91%		94%			93%				

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.

Project No: 974002.00

LABORATORY QA/QC REPORT FOR ORGANICS

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

DATE PERFORMED: 4/23/97
BATCH #: 0423-3
LAB SAMPLE ID #: 1D065-26

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	132	105%	125	147	118%	11%	70%-130%	20
Chlorobenzene		ND	125	104	83%	125	117	94%	12%	70%-130%	20
Chloroform		ND	125	116	92%	125	128	103%	10%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	112	90%	125	125	100%	11%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	120	96%	125	139	112%	15%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		ND	125	132	106%	125	146	117%	10%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	210	168%	125	230	184%	9%	70%-130%	20
Toluene		ND	125	132	106%	125	148	119%	12%	70%-130%	20
Trichloroethene (TCE)		ND	125	150	120%	125	170	136%	13%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	88%		88%			86%				
Toluene-d8	50	111%		112%			112%				
4-Bromofluorobenzene	50	92%		94%			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

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: 4/23/97
SUPPLY SOURCE: Absolute Standards, Inc. **LAB LCS ID:** LCS 4/23 #1 MS3
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

ANALYTE		MB 4/23 #1	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	26.3	105%	85%-115%
Bromodichloromethane		ND	25	25.2	101%	85%-115%
Bromoform		ND	25	21.7	87%	85%-115%
Bromomethane		ND	25	20.0	80%	85%-115%
Carbon tetrachloride		ND	25	25.1	101%	85%-115%
Chlorobenzene		ND	25	25.4	101%	85%-115%
Chloroethane		ND	25	25.9	104%	85%-115%
Chloroform		ND	25	27.7	111%	85%-115%
Chloromethane		ND	25	27.0	108%	85%-115%
Dibromochloromethane		ND	25	23.8	95%	85%-115%
1,2-Dichlorobenzene		ND	25	25.4	101%	85%-115%
1,3-Dichlorobenzene		ND	25	25.4	102%	85%-115%
1,4-Dichlorobenzene		ND	25	25.3	101%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	23.7	95%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	29.0	116%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	26.9	108%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	26.8	107%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	26.4	106%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	27.3	109%	85%-115%
1,2-Dichloropropane		ND	25	26.7	107%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.1	105%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.2	105%	85%-115%
Ethyl benzene		ND	25	25.6	102%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	26.7	107%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	23.5	94%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	27.1	109%	85%-115%
Tetrachloroethene (PCE)		ND	25	23.0	92%	85%-115%
Toluene		ND	25	25.8	103%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	28.1	112%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	25.1	101%	85%-115%
Trichloroethene (TCE)		ND	25	25.1	100%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	19.6	79%	85%-115%
m,p-Xylenes		ND	50	51.1	102%	85%-115%
o-Xylene		ND	25	25.9	104%	85%-115%
Vinyl chloride (VC)		ND	25	22.1	88%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	108%		108%		
Toluene-d8	50	105%		105%		
4-Bromofluorobenzene	50	98%		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 0 9 1997
Date

Printed on recycled paper.

ONSITE ENVIRONMENTAL LABORATORIES, INC.

Project No. 974002.00

LABORATORY QA/QC REPORT FOR ORGANICS

Laboratory Quality Control Check Sample (LCS)

METHOD : EPA 8260

REPORTING UNITS : µg/L - LCS
µg/Kg - MB

DATE PERFORMED: 4/23/97
SUPPLY SOURCE: Absolute Standards, Inc.
LOT NUMBER: 012095(gases), 051596(liq.)
DATE OF SOURCE: 3/14/97

LAB LCS ID: LCS 4/23 #2 MS3

ANALYTE		MB 4/23 #2	SPIKE CONC	RESULT	%RECOVERY	ACP %REC LIMIT
Benzene		ND	25	26.9	107%	85%-115%
Bromodichloromethane		ND	25	25.7	103%	85%-115%
Bromoform		ND	25	22.2	89%	85%-115%
Bromomethane		ND	25	20.2	81%	85%-115%
Carbon tetrachloride		ND	25	25.6	102%	85%-115%
Chlorobenzene		ND	25	26.3	105%	85%-115%
Chloroethane		ND	25	25.8	103%	85%-115%
Chloroform		ND	25	28.1	112%	85%-115%
Chloromethane		ND	25	28.5	114%	85%-115%
Dibromochloromethane		ND	25	24.5	98%	85%-115%
1,2-Dichlorobenzene		ND	25	26.4	105%	85%-115%
1,3-Dichlorobenzene		ND	25	26.3	105%	85%-115%
1,4-Dichlorobenzene		ND	25	26.1	104%	85%-115%
Dichlorodifluoromethane (Freon 12)		ND	25	22.9	92%	85%-115%
1,1-Dichloroethane (1,1-DCA)		ND	25	29.3	117%	85%-115%
1,2-Dichloroethane (1,2-DCA)		ND	25	27.4	109%	85%-115%
1,1-Dichloroethene (1,1-DCE)		ND	25	27.1	108%	85%-115%
cis-1,2-Dichloroethene (c-1,2-DCE)		ND	25	27.3	109%	85%-115%
trans-1,2-Dichloroethene (t-1,2-DCE)		ND	25	27.6	110%	85%-115%
1,2-Dichloropropane		ND	25	26.9	108%	85%-115%
cis-1,3-Dichloropropene		ND	25	26.6	106%	85%-115%
trans-1,3-Dichloropropene		ND	25	26.4	105%	85%-115%
Ethyl benzene		ND	25	24.0	96%	85%-115%
Methylene chloride (Dichloromethane)		ND	25	26.9	108%	85%-115%
1,1,1,2-Tetrachloroethane		ND	25	24.0	96%	85%-115%
1,1,2,2-Tetrachloroethane		ND	25	27.2	109%	85%-115%
Tetrachloroethene (PCE)		ND	25	23.6	94%	85%-115%
Toluene		ND	25	26.4	106%	85%-115%
1,1,1-Trichloroethane (1,1,1-TCA)		ND	25	28.4	114%	85%-115%
1,1,2-Trichloroethane (1,1,2-TCA)		ND	25	25.1	100%	85%-115%
Trichloroethene (TCE)		ND	25	25.6	102%	85%-115%
Trichlorofluoromethane (Freon 11)		ND	25	18.6	74%	85%-115%
m,p-Xylenes		ND	50	52.6	105%	85%-115%
o-Xylene		ND	25	26.7	107%	85%-115%
Vinyl chloride (VC)		ND	25	23.3	93%	85%-115%
SURROGATE	SPK conc	%RC		%RC		
Dibromofluoromethane	50	107%		107%		
Toluene-d8	50	105%		106%		
4-Bromofluorobenzene	50	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

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: 4/23/97
BATCH #: 0423-2
LAB SAMPLE ID #: 1D065-31

ANALYTE		SAMPLE RESULT	SPIKE CONC	MS	%MS	SPIKE CONC (DUP)	MSD	%MSD	RPD	MS/MSD LIMIT	RPD LIMIT
Benzene		ND	125	134	107%	125	138	111%	3%	70%-130%	20
Chlorobenzene		ND	125	118	94%	125	121	96%	2%	70%-130%	20
Chloroform		ND	125	144	115%	125	149	119%	3%	70%-130%	20
1,1-Dichloroethane (1,1-DCA)		ND	125	160	128%	125	166	133%	4%	70%-130%	20
1,2-Dichloroethane (1,2-DCA)		ND	125	146	117%	125	152	121%	4%	70%-130%	20
1,1-Dichloroethene (1,1-DCE)		78.1	125	187	87%	125	173	76%	8%	70%-130%	20
Tetrachloroethene (PCE)		ND	125	139	111%	125	147	118%	6%	70%-130%	20
Toluene		ND	125	125	100%	125	131	105%	4%	70%-130%	20
Trichloroethene (TCE)		77.9	125	191	91%	125	175	78%	9%	70%-130%	20
SURROGATE	SPK conc	%RC		%RC			%RC				
Dibromofluoromethane	50	113%		110%			112%				
Toluene-d8	50	106%		106%			105%				
4-Bromofluorobenzene	50	96%		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

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: 4/23/97

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 2

Reason for Overtime

Sample Volume and Matrix

Samples Received and Matrix 50 soils for 8260 (8010/8020 list) & 418.1

Time Last Samples Received

Client Issues Raised:

ONSITE Action Plan:

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94[illegible] 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. Suit 100
City, State ZIP	Irvine CA. 92612
Phone:	714-261-1577
Fax:	

Date:	4-23-97
Page:	1 of
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8010/8020 by GC/MS	418.1				No. Containers	Remarks
2BB-5-10-1	4-23-97	0834	Soil	SS	0810	MY	1D065-01				X	X				1	
2BB-5-10-4	"	0839	"	"	"		02				X	X				1	
2BB-5-10-10	"	0850	"	"	"		03				X	X				1	
2BB-6-1-4	"	0815	"	"	"		04				X	X				1	
2BB-6-1-10	"	0820	"	"	"		05				X	X				1	
2BB-6-1-20	"	0830	"	"	"		06				X	X				1	
2BB-6-1-30	"	0835	"	"	"		07				X	X				1	
2BB-6-1-40	"	0845	"	"	"		08				X	X				1	
2BB-6-1-50	"	0850	"	"	"		09				X	X				1	
2BB-5-12-1	"	0405	"	"	0830		10				X	X				1	
2BB 5-12-4	"	0408	"	"	"		11				X	X				1	
2BB-5-12-10	"	0415	"	"	"		12				X	X				1	

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-C6-0106421

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

5500 Boscell Common Fremont, CA 94... Tel. (510) 490-8571 Fax. (510) 490-8572

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

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

Bill to:	
Company:	Kennedy / Jenks
Address:	2151 Michelson Dr. Suite 100
City, State ZIP	Irvine CA. 92612
Phone:	714-261-1577
Fax:	

Date:	4-23-97
Page:	2 of
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	SHPO/5 oxygenates	418.1				No. Containers	Remarks
2BB-6-2-1	4-23-97	0920	Soil	SCS	0920	MY	10065-13				X	X				1	
2BB-6-2-4	"	0930	"	"	"		14				X	X				1	
2BB-6-2-10	"	0935	"	"	"		15				X	X				1	
2BB-6-2-20	"	0940	"	"	"		16				X	X				1	
2BB-6-2-30	"	0945	"	"	"		17				X	X				1	
2BB-6-2-40	"	0950	"	"	"		18				X	X				1	
2BB-6-2-50	"	0955	"	"	"		19				X	X				1	
2BB-5-16-1	"	0942	"	"	1035		20				X	X				1	
2BB-5-16-4	"	0945	"	"	"		21				X	X				1	
2BB-5-16-7	"	0953	"	"	"		22				X	X				1	
2BB-5-16-10	"	0958	"	"	"		23				X	X				1	
2BB-5-16-15	"	1005	"	"	"		24				X	X				1	
2BB-5-16-20	"	1014	"	"	"		25				X	X				1	
2BB-5-16-25	"	1023	"	"	"		26				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-C6-0106422

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 9 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. 92612
Phone:	714-261-1577
Fax:	

Date:	4-23-97
Page:	3 of
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8020/8020 by GC/MS	418.1				No. Containers	Remarks
2BB-36-15-4	4-23-97	1058	Soil	SLS	12:15	MY	10065-27				X	X				1	
2BB-36-15-10	"	1113	"	"			28				X	X				1	
2BB-36-15-15	"	1122	"	"			29				X	X				1	
2BB-36-15-20	"	1135	"	"			30				X	X				1	
2BB-36-15-25	"	1146	"	"			31				X	X				1	
2BB-6-3-1	"	1030	"	"			32				X	X				1	
2BB-6-3-4	"	1035	"	"			33				X	X				1	
2BB-6-3-10	"	1040	"	"			34				X	X				1	
2BB-6-3-20	"	1045	"	"			35				X	X				1	
2BB-6-3-30	"	1050	"	"			36				X	X				1	
2BB-6-3-40	"	1100	"	"			37				X	X				1	
2BB-6-3-50	"	1105	"	"			38				X	X				1	

Initials:	Printed Name:	Signature:		
SLS	Shane Scrimshire	Shane [illegible]	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-C6-0106423

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

[redacted]

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

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

Bill to:	
Company:	Kennedy/Jenks
Address:	2151 Michelson Dr. Suite 100
City, State ZIP	Irvine CA. 92612
Phone:	714-261-1577
Fax:	

Date:	4-23-97
Page:	4 of
Laboratory:	
Lab Number:	

Project Name:	DAC
Project Number:	974002.00

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8010/8020 by GC/MS	HS.1				No. Containers	Remarks
2BB-1-27A-1	4-23-97	1309	Soil	SS	1600	MY	10065-39				X	X				1	
2BB-1-27A-4	"	1314	"	"			40				X	X				1	
2BB-1-27A-10	"	1319	"	"			41				X	X				1	
2BB-1-27B-1	"	1329	"	"			42				X	X				1	
2BB-1-27B-4	"	1335	"	"			43				X	X				1	
2BB-1-27B-10	"	1346	"	"			44				X	X				1	
2BB-6-4-4	"	1245	"	"			45				X	X				1	
2BB-6-4-10	"	1250	"	"			46				X	X				1	
2BB-6-4-20	"	1255	"	"			47				X	X				1	
2BB-6-4-30	"	1310	"	"			48				X	X				1	
2BB-6-4-40	"	1315	"	"			49				X	X				1	
2BB-6-4-55	"	1540	"	"			50				X	X				1	

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

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

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

BOE-C6-0106424

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

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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ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

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:

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

LABORATORY QC CRITERIA

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

Printed on recycled paper.

ONSITE
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LABORATORIES, INC.

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%

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: 4/24/97
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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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 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
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 #: 0424-1
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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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 #: 0424-3
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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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 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

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 #: 0424-4
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 1/3X) & 418.1

Time Last Samples Received

Client Issues Raised:

ONSITE Action Plan:

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

Mobile Lab

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

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

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	8020/8020 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-6-5-19.5	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:	Date/Time:	Received By:	Date/Time:
[signature]	4-24-97	Michael Yurovsky	4-24-97 9:40
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.

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

Anal ; 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. Suit 100	LOCATION: ~~Bf~~ Torrance
Irvine CA. 92612	ADDRESS:
PHONE: 714-261-1577 FAX:	SAMPLED BY: SLS

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-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:
[signature]	4-24-97	Michael Jnanby	4/24/97 11:00
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 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: 5010/8020 by GC/MS; 418.1

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	5010/8020 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 Jmarby	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

Analy 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 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-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	"	~~1611~~ 1604	"			X	X							48
2BB-36-13-4.5	1	"	~~1614~~ 1611	"			X	X							49
2BB-36-13-9.5	1	"	1619 ~~1622~~	"			X	X							50
2BB-36-13-19.5	1	"	1622 ~~1634~~	"			X	X							51
2BB-36-13-29.5	1	"	1639 ~~1644~~	"			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: ___ Method of Shipment: ___ ~~55~~

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-C6-0106440

ONSITE
ENVIRONMENTAL
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

Printed on recycled paper.

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:	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**	10	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, 550 Hosecit Common, Fremont, CA 94538 (510) 490-8571

Gareth Voigt
Laboratory Director

MAY 0 9 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:	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 Boscell Common, Fremont, CA 94538 (510) 490-8537

Gareth Voigt
Laboratory Director

MAY 0 9 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) 498-8571

Gareth Voigt
Laboratory Director

MAY 0 9 1997
Date

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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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ONSITE
ENVIRONMENTAL 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			1D066-20	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 :

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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ONSITE
ENVIRONMENTAL
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	1D066-27	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 :
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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ONSITE
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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/24/97	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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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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ONSITE
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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

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

DATE ANALYZED			4/24/97	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 :

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

MAY 0 9 1997
Date

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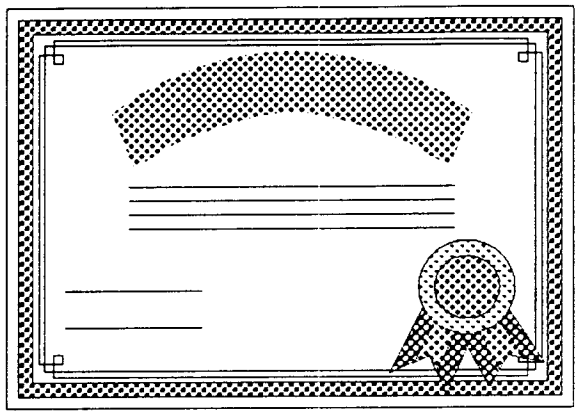
4/23/97

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



ORANGE COAST ANALYTICAL THANKS YOU FOR YOUR BUSINESS

THE FOLLOWING PAGES ARE THE ANALYSIS REPORT

ON THE SAMPLES YOU REQUESTED.

IF YOU HAVE ANY QUESTIONS REGARDING THIS REPORT

PLEASE FEEL FREE TO CONTACT US.

#51

4/23/97

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-29-4
Laboratory Sample #: 97040451
Laboratory Reference #: KJC 8885

Sampled : 04-08-97
Received: 04-09-97
Analyzed: 04-18-97
Reported: 04-22-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010/8020)

ANALYTE	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Benzene	5.0	N.D.
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chlorodibromomethane	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethyl vinyl ether	25	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Trans 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	20	N.D.
Ethylbenzene	5.0	N.D.
Methylene chloride	25	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
Toluene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	10	N.D.
Total Xylenes	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Surrogate Recovery	%
alpha, alpha, alpha-trifluorotoluene	*104*
1,4-Dichlorobutane	*81*

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

.ennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: KJC 8885

Sampled : 04-08-97
Received: 04-09-97
Analyzed: 04-14-97
Reported: 04-22-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/kg)*
97040447	5-32-10	N.D.
97040457	5-26-4	N.D.
Detection Limit:		8.0

Analyte reported as N.D. was not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Laboratory Director

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-32-1

Laboratory Sample Number: 97040445
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-11-97
Reported: 04-22-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	46	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium Total	6010	560	2500	0.05	5.0	<---
Cobalt	6010	80	8000	0.5	2.2	<---
Copper	6010	25	2500	0.1	0.9	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	3.3	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	9.3	<---
Zinc	6010	250	5000	0.1	10	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-32-4

Laboratory Sample Number: 97040446
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	150	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	38	<---
Cobalt	6010	80	8000	0.5	9.1	<---
Copper	6010	25	2500	0.1	22	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	17	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	43	<---
Zinc	6010	250	5000	0.1	65	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-32-10

Laboratory Sample Number: 97040447
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	110	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	30	<---
Cobalt	6010	80	8000	0.5	8.4	<---
Copper	6010	25	2500	0.1	12	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	15	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	34	<---
Zinc	6010	250	5000	0.1	47	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-31-4

Laboratory Sample Number: 97040448
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	97	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	19	<---
Cobalt	6010	80	8000	0.5	5.4	<---
Copper	6010	25	2500	0.1	9.2	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	8.9	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	25	<---
Zinc	6010	250	5000	0.1	3.9	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-31-10

Laboratory Sample Number: 97040449
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	67	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	15	<---
Cobalt	6010	80	8000	0.5	4.5	<---
Copper	6010	25	2500	0.1	4.4	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	8.3	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	23	<---
Zinc	6010	250	5000	0.1	25	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-29-1

Laboratory Sample Number: 97040450
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	120	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	29	<---
Cobalt	6010	80	8000	0.5	7.9	<---
Copper	6010	25	2500	0.1	17	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	13	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	35	<---
Zinc	6010	250	5000	0.1	56	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-29-4

Laboratory Sample Number: 97040451
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	110	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	28	<---
Cobalt	6010	80	8000	0.5	7.2	<---
Copper	6010	25	2500	0.1	18	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	15	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	33	<---
Zinc	6010	250	5000	0.1	47	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-29-10

Laboratory Sample Number: 97040452
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	150	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	35	<---
Cobalt	6010	80	8000	0.5	8.6	<---
Copper	6010	25	2500	0.1	16	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	16	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	38	<---
Zinc	6010	250	5000	0.1	57	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-28-1

Laboratory Sample Number: 97040453
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	120	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	33	<---
Cobalt	6010	80	8000	0.5	8.0	<---
Copper	6010	25	2500	0.1	18	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	13	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	40	<---
Zinc	6010	250	5000	0.1	60	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-28-4

Laboratory Sample Number: 97040454
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	130	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	33	<---
obalt	6010	80	8000	0.5	7.6	<---
Copper	6010	25	2500	0.1	17	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	13	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	39	<---
Zinc	6010	250	5000	0.1	59	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-28-10

Laboratory Sample Number: 97040455
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	120	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	30	<---
obalt	6010	80	8000	0.5	8.2	<---
Copper	6010	25	2500	0.1	16	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	14	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	33	<---
Zinc	6010	250	5000	0.1	52	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-26-1

Laboratory Sample Number: 97040456
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	110	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	32	<---
Cobalt	6010	80	8000	0.5	9.0	<---
Copper	6010	25	2500	0.1	18	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	15	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	38	<---
Zinc	6010	250	5000	0.1	52	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-26-4

Laboratory Sample Number: 97040457
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	110	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	35	<---
Cobalt	6010	80	8000	0.5	9.1	<---
Copper	6010	25	2500	0.1	20	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	18	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	40	<---
Zinc	6010	250	5000	0.1	58	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-26-10

Laboratory Sample Number: 97040458
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	34	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium Total	6010	560	2500	0.05	7.0	<---
Cobalt	6010	80	8000	0.5	2.1	<---
Copper	6010	25	2500	0.1	6.1	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	5.8	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	8.6	<---
Zinc	6010	250	5000	0.1	12	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Water, TB-100
Laboratory Sample #: 97040459
Laboratory Reference #: KJC 8885

Sampled : 04-08-97
Received: 04-09-97
Analyzed: 04-17-97
Reported: 04-22-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010)

ANALYTE	*DETECTION LIMIT* ug/l	*SAMPLE RESULTS* ug/l
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chlorodibromomethane	0.5	N.D.
Chloroethane	1.0	N.D.
2-Chloroethyl vinyl ether	5.0	N.D.
Chloroform	0.5	N.D.
Chloromethane	1.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.5	N.D.
1,2-Dichloroethane	0.5	N.D.
1,1-Dichloroethene	0.5	N.D.
Trans 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.5	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.5	N.D.
Tetrachloroethene	0.5	N.D.
1,1,1-Trichloroethane	0.5	N.D.
1,1,2-Trichloroethane	0.5	N.D.
Trichloroethene	0.5	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recovery	*%*
1,4-Dichlorobutane	*83*

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Water, TB-102
Laboratory Sample #: 97040460
Laboratory Reference #: KJC 8885

Sampled : 04-08-97
Received: 04-09-97
Analyzed: 04-17-97
Reported: 04-22-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010)

ANALYTE	*DETECTION LIMIT* *ug/l*	*SAMPLE RESULTS* *ug/l*
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chlorodibromomethane	0.5	N.D.
Chloroethane	1.0	N.D.
2-Chloroethyl vinyl ether	5.0	N.D.
Chloroform	0.5	N.D.
Chloromethane	1.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.5	N.D.
1,2-Dichloroethane	0.5	N.D.
1,1-Dichloroethene	0.5	N.D.
Trans 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.5	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.5	N.D.
Tetrachloroethene	0.5	N.D.
1,1,1-Trichloroethane	0.5	N.D.
1,1,2-Trichloroethane	0.5	N.D.
Trichloroethene	0.5	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recovery	*%*
1,4-Dichlorobutane	*84*

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Kennedy Jenks Consultants
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sampled : 04-08-97
Received: 04-09-97
Analyzed: 04-17-97
Reported: 04-22-97

Sample Description: Water, EB-1
Laboratory Sample #: 97040461
Laboratory Reference #: KJC 8885

VOLATILE ORGANIC COMPOUNDS (EPA 8010)

ANALYTE	*DETECTION LIMIT* ug/l	*SAMPLE RESULTS* ug/l
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chlorodibromomethane	0.5	N.D.
Chloroethane	1.0	N.D.
2-Chloroethyl vinyl ether	5.0	N.D.
Chloroform	0.5	N.D.
Chloromethane	1.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.5	N.D.
1,2-Dichloroethane	0.5	N.D.
1,1-Dichloroethene	0.5	N.D.
Trans 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.5	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.5	N.D.
Tetrachloroethene	0.5	N.D.
1,1,1-Trichloroethane	0.5	N.D.
1,1,2-Trichloroethane	0.5	N.D.
Trichloroethene	0.5	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Laboratory Director

Surrogate Recovery	%
1,4-Dichlorobutane	*82*

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 04/12/97
Laboratory Sample No : 97040457
Laboratory Reference No : KJC 8885

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	30.00	27.00	30.00	90	100	11
Arsenic	0.00	10.00	8.70	9.60	87	96	10
Barium	11.00	10.00	20.60	20.80	96	98	1
Beryllium	0.00	1.00	1.05	0.96	105	96	9
Cadmium	0.00	1.00	0.89	0.93	89	93	4
Chromium (Total)	3.50	5.00	8.20	8.40	94	98	2
Chromium (VI)	0.00	1.00	0.92	0.97	92	97	5
Cobalt	0.91	1.00	1.73	1.75	82	84	1
Copper	2.00	1.00	2.80	2.90	80	90	4
Lead	0.00	10.00	9.20	9.10	92	91	1
Mercury	0.000	0.020	0.021	0.019	105	95	10
Molybdenum	0.00	10.00	10.10	10.50	101	105	4
Nickel	1.10	5.00	6.20	6.40	102	106	3
Selenium	0.00	10.00	10.10	10.00	101	100	1
Silver	0.00	5.00	4.80	4.90	96	98	2
Thallium	0.00	30.00	28.00	27.00	93	90	4
Vanadium	4.00	5.00	8.80	9.20	96	104	4
Zinc	5.80	5.00	10.50	11.00	94	104	5

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

Mark Noorani

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Laboratory Director

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QC DATA REPORT

Analysis : Volatile Organic Compounds (EPA 8010)

Date of Analysis : 04/17/97
Laboratory Sample No : 97030461
Laboratory Reference No : KJC 8885

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
1,1-Dichloroethane	0.0	5.0	4.8	4.8	96	96	0
Trichloroethene	0.0	5.0	4.7	4.7	94	94	0
Tetrachloroethene	0.0	5.0	5.1	5.1	102	102	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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MARK NOORANI
Laboratory Director

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 04/14/97
Laboratory Sample No : 97040511
Laboratory Reference No : KJC 8885

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	106	106	106	106	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

Mark Noorani

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Laboratory Director

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QC DATA REPORT

Analysis : Volatile Organic Compounds (EPA 8010/8020)

Date of Analysis : 04/18/97
Laboratory Sample No : 97040523
Laboratory Reference No : KJC 8885

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	40	39	38	98	95	3
1,1-Dichloroethane	0.0	20	20	19	100	95	5
Trichloroethene	0.0	20	20	18	100	90	11
Tetrachloroethene	0.0	20	20	19	100	95	5
Toluene	0.0	40	40	39	100	98	3

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

MARK NOORANI
Laboratory Director

Analysis Request and Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.
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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

Lab Job No: ____
Page 2 of 2

REQUIRED TAT: ____

CUSTOMER INFORMATION

COMPANY: Kennedy/Jenks
SEND REPORT TO:
ADDRESS:
PHONE: FAX:

PROJECT INFORMATION

PROJECT NAME: DAC
NUMBER: 974002.00
LOCATION: Basement - Bldg 1
ADDRESS:
SAMPLED BY: DMS

ANALYSIS/METHOD REQUEST: Metals; Cr+6; 8010

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Metals	Cr+6	8010						REMARKS/PRECAUTIONS
5-26-1	1	4/8/97	2110	Soil	Stainless Steel		X	X							
5-26-4	1	"	2115	"	"		X	X							
5-26-10	1	"	2125	"	"		X	X							
TB-100	1	4/8/97	—	Water	VOA				X						
TB-102	1	4/8/97	—	Water	VOA				X						
EB-1	2	4/8/97	2230	Water	VOA				X						

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Dale M. [illegible]	4/8/97 2230		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [illegible]	Date/Time: 4/9/97 16:15

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-C6-0106477

Analysis Request and Chain of Custody Record

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

Lab Job No: ____
Page 1 of 2

REQUIRED TAT: ____

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

ANALYSIS/METHOD REQUEST: [redacted] Metals, Cr+6

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	[redacted]	Metals	Cr+6					REMARKS/PRECAUTIONS
5-32-1	1	4/8/97	1740	Soil	Stainless Steel			X	X					
5-32-4	1	"	1745	"	"			X	X					
5-32-10	1	"	1755	"	"			X	X					
~~5-31-1~~	~~1~~	~~"~~	~~NR~~	~~"~~	~~"~~			~~X~~	~~X~~					NO SAMPLE RECOVERY
5-31-4	1	"	1830	"	"			X	X					
5-31-10	1	"	1900	"	"			X	X					
5-29-1	1	"	1935	"	"			X	X					
5-29-4	1	"	1950	"	"			X	X					
5-29-10	1	"	1955	"	"			X	X					
5-28-1	1	"	2030	"	"			X	X					
5-28-4	1	"	2035	"	"			X	X					
5-28-10	1	"	2045	"	"			X	X					

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:	Reporting Format: (check)
[signature]	4/8/97 2230			NORMAL ____ S.D. HMMD ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	RWQCB ____ OTHER ____
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 4/9/97 16:15	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-C6-0106478

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

Analy Request and Chain of Custody Record

Lab Job No: ____
Page 1 of 1

REQUIRED TAT: Normal

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Kennedy / Jenks	PROJECT NAME:	Douglas Aircraft
SEND REPORT TO:	Rus Purcell	NUMBER:	974002.09
ADDRESS:	2151 Michelson Dr, Ste 100 Irvine, CA 92612	LOCATION:	Torrance C-6 Facility
		ADDRESS:	
PHONE:	714-261-1577 FAX: 714-261-2134	SAMPLED BY:	J. Knight

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	418.1	8010/8020	8260	REMARKS/PRECAUTIONS
~~2BB~~ JK 5-32-10	1			Soil	poly sleeve		X			10% QA/QC for ND Samples are in Lab
~~2BB~~ JK 5-26-4							X			
2BB-1-34-10							X			
~~2BB~~ JK 5-29-4								X		
2BB-1-10-4								X		
2BB-1-7-10								X		
2BB-1-13-1									X	8010/8020 > 200 total VOC
2BB-1-12-1									X	
2BB-1-37-1									X	

Total No. of Samples:		Method of Shipment:	
Relinquished By: Jay Pt	Date/Time: 4-10-97 1625	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: Jan Erlem	Date/Time: 4/10/97 16:34

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-C6-0106479

#13

4/24/97

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-41-1
Laboratory Sample #: 97040523
Laboratory Reference #: KJC 8890

Sampled : 04-09-97
Received: 04-10-97
Analyzed: 04-18-97
Reported: 04-23-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010/8020)

ANALYTE	*DETECTION LIMIT* ug/kg	*SAMPLE RESULTS* ug/kg
Benzene	5.0	N.D.
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chlorodibromomethane	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethyl vinyl ether	25	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Trans 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	20	N.D.
Ethylbenzene	5.0	N.D.
Methylene chloride	25	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
Toluene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	10	N.D.
Total Xylenes	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Surrogate Recovery	%
alpha, alpha, alpha-trifluorotoluene	*104*
1,4-Dichlorobutane	*85*

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: KJC 8890

Sampled : 04-09-97
Received: 04-10-97
Analyzed: 04-14-97
Reported: 04-23-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/kg)*
97040511	5-36-1	N.D.
97040528	5-42-10	N.D.
97040508	5-33-1	N.D.
Detection Limit:		8.0

Analyte reported as N.D. was not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
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Laboratory Director

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-33-4
Laboratory Sample Number: 97040509
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-18-97
Reported: 04-23-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*
Benzene	71-43-2	2.5	N.D.
Bromodichloromethane	75-27-4	2.5	N.D.
Bromoform	75-25-2	2.5	N.D.
Bromomethane	74-83-9	2.5	N.D.
Carbon Disulfide	75-15-0	5.0	N.D.
Carbon tetrachloride	56-23-5	2.5	N.D.
Chlorobenzene	108-90-7	2.5	N.D.
Chlorodibromomethane	124-48-1	2.5	N.D.
Chloroethane	75-00-3	2.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.
Chloroform	67-66-3	2.5	N.D.
Chloromethane	74-87-3	2.5	N.D.
1,1-Dichloroethane	75-35-3	2.5	N.D.
1,2-Dichloroethane	107-06-2	2.5	N.D.
1,1-Dichloroethene	75-35-4	2.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.
Ethylbenzene	100-41-4	2.5	N.D.
Methylene chloride	75-09-2	5.0	N.D.
Styrene	100-42-5	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
Tetrachloroethene	127-18-4	2.5	N.D.
Toluene	108-88-3	2.5	N.D.
1,1,1-Trichloroethane	71-55-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
Trichloroethene	79-01-6	2.5	N.D.
Trichlorofluoromethane	75-69-4	5.0	N.D.
Vinyl acetate	108-05-4	5.0	N.D.
Vinyl chloride	75-01-4	2.5	N.D.
Total Xylenes	1330-20-7	2.5	N.D.
Dichlorofluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	2.5	N.D.
2,2-Dichloropropane	590-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

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Sample Description: Soil, 5-33-4

Laboratory Sample Number: 97040509

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*
1,3-Dichloropropane	142-28-9	2.5	N.D.
Dibromochloromethane	124-48-1	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1-2-Dibromo-2-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recoveries	*%*
Dibromofluoromethane	*104*
Toluene-d8	*93*
4-Bromofluorobenbzene	*119*

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-33-10
Laboratory Sample Number: 97040510
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-18-97
Reported: 04-23-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*	
Benzene	71-43-2	2.5	N.D.	
Bromodichloromethane	75-27-4	2.5	N.D.	
Bromoform	75-25-2	2.5	N.D.	
Bromomethane	74-83-9	2.5	N.D.	
Carbon Disulfide	75-15-0	5.0	N.D.	
Carbon tetrachloride	56-23-5	2.5	N.D.	
Chlorobenzene	108-90-7	2.5	N.D.	
Chlorodibromomethane	124-48-1	2.5	N.D.	
Chloroethane	75-00-3	2.5	N.D.	
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.	
Chloroform	67-66-3	2.5	N.D.	
Chloromethane	74-87-3	2.5	N.D.	
1,1-Dichloroethane	75-35-3	2.5	N.D.	
1,2-Dichloroethane	107-06-2	2.5	N.D.	
1,1-Dichloroethene	75-35-4	2.5	N.D.	
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.	
1,2-Dichloropropane	78-87-5	2.5	N.D.	
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.	
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.	
Ethylbenzene	100-41-4	2.5	N.D.	
Methylene chloride	75-09-2	5.0	N.D.	
Styrene	100-42-5	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
Tetrachloroethene	127-18-4	2.5	N.D.	
Toluene	108-88-3	2.5	N.D.	
1,1,1-Trichloroethane	71-55-6	2.5	N.D.	
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
Trichloroethene	79-01-6	2.5	8.6	<---
Trichlorofluoromethane	75-69-4	5.0	N.D.	
Vinyl acetate	108-05-4	5.0	N.D.	
Vinyl chloride	75-01-4	2.5	N.D.	
Total Xylenes	1330-20-7	2.5	N.D.	
Dichlorofluoromethane	75-71-8	2.5	N.D.	
cis-1-2,-Dichloroethane	156-59-4	2.5	N.D.	
2,2-Dichloropropane	590-20-7	2.5	N.D.	
Bromochloromethane	74-97-5	2.5	N.D.	
1,1-Dichloropropene	563-58-6	2.5	N.D.	
1,2-Dichloropropane	78-87-5	2.5	N.D.	
Dibromomethane	74-95-3	2.5	N.D.	
trans-1,3-Dichloropropane	10061-02-6	2.5	N.D.	
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
1,2-Dibromoethane	106-93-4	2.5	N.D.	

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

Sample Description: Soil, 5-33-10

Laboratory Sample Number: 97040510

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*
1,3-Dichloropropane	142-28-9	2.5	N.D.
Dibromochloromethane	124-48-1	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1-2-Dibromo-2-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recoveries	*%*
Dibromofluoromethane	*107*
Toluene-d8	*90*
4-Bromofluorobenbzene	*116*

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-27-1

Laboratory Sample Number: 97040506
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-12-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	120	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	31	<---
Cobalt	6010	80	8000	0.5	8.1	<---
Copper	6010	25	2500	0.1	10	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	15	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	33	<---
Zinc	6010	250	5000	0.1	48	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Laboratory Director

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-27-4

Laboratory Sample Number: 97040507
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-12-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	100	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	21	<---
Cobalt	6010	80	8000	0.5	5.8	<---
Copper	6010	25	2500	0.1	7.9	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	8.9	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	22	<---
Zinc	6010	250	5000	0.1	37	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-27-10

Laboratory Sample Number: 97040508
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-12-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	130	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	32	<---
Cobalt	6010	80	8000	0.5	8.0	<---
Copper	6010	25	2500	0.1	13	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	14	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	37	<---
Zinc	6010	250	5000	0.1	53	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-33-1

Laboratory Sample Number: 97040538
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-16-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	120	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	22	<---
obalt	6010	80	8000	0.5	7.3	<---
Copper	6010	25	2500	0.1	9.5	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	13	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	25	<---
Zinc	6010	250	5000	0.1	37	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-33-4

Laboratory Sample Number: 97040509
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-12-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	130	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	28	<---
Cobalt	6010	80	8000	0.5	7.7	<---
Copper	6010	25	2500	0.1	16	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	14	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	29	<---
Zinc	6010	250	5000	0.1	46	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-33-10

Laboratory Sample Number: 97040510
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-12-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	100	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	22	<---
Cobalt	6010	80	8000	0.5	6.6	<---
Copper	6010	25	2500	0.1	12	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	10	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	26	<---
Zinc	6010	250	5000	0.1	42	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-36-1

Laboratory Sample Number: 97040511
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-12-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	81	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	22	<---
Cobalt	6010	80	8000	0.5	6.3	<---
Copper	6010	25	2500	0.1	8.5	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	12	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	24	<---
Zinc	6010	250	5000	0.1	33	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-36-4

Laboratory Sample Number: 97040512
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-12-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	100	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	25	<---
Cobalt	6010	80	8000	0.5	7.3	<---
Copper	6010	25	2500	0.1	13	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	14	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	27	<---
Zinc	6010	250	5000	0.1	38	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-36-10

Laboratory Sample Number: 97040513
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-12-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	130	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	25	<---
obalt	6010	80	8000	0.5	7.9	<---
Copper	6010	25	2500	0.1	17	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	14	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	31	<---
Zinc	6010	250	5000	0.1	47	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-34-1

Laboratory Sample Number: 97040514
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-12-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	64	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	17	<---
Cobalt	6010	80	8000	0.5	5.7	<---
Copper	6010	25	2500	0.1	2.9	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	10	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	19	<---
Zinc	6010	250	5000	0.1	32	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-34-4

Laboratory Sample Number: 97040515
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-12-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	73	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	15	<---
obalt	6010	80	8000	0.5	4.6	<---
Copper	6010	25	2500	0.1	5.2	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	8.8	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	20	<---
Zinc	6010	250	5000	0.1	23	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-34-10

Laboratory Sample Number: 97040516
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-12-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	120	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	30	<---
Cobalt	6010	80	8000	0.5	8.4	<---
Copper	6010	25	2500	0.1	16	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	13	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	34	<---
Zinc	6010	250	5000	0.1	54	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-35-1

Laboratory Sample Number: 97040517
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-16-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	74	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	16	<---
Cobalt	6010	80	8000	0.5	6.5	<---
Copper	6010	25	2500	0.1	13	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	11	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	18	<---
Zinc	6010	250	5000	0.1	36	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-35-4

Laboratory Sample Number: 97040518
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-16-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	96	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	26	<---
Cobalt	6010	80	8000	0.5	7.2	<---
Copper	6010	25	2500	0.1	7.8	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	13	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	27	<---
Zinc	6010	250	5000	0.1	41	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-35-10

Laboratory Sample Number: 97040519
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-16-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	160	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	35	<---
Cobalt	6010	80	8000	0.5	10	<---
Copper	6010	25	2500	0.1	20	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	16	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	36	<---
Zinc	6010	250	5000	0.1	59	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani

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Kennedy Jenks Consultants
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-40-1

Laboratory Sample Number: 97040520
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-16-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	100	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	25	<---
Cobalt	6010	80	8000	0.5	8.1	<---
Copper	6010	25	2500	0.1	9.3	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	15	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	28	<---
Zinc	6010	250	5000	0.1	40	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-40-4

Laboratory Sample Number: 97040521
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-16-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	76	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	15	<---
Cobalt	6010	80	8000	0.5	5.3	<---
Copper	6010	25	2500	0.1	5.8	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	9.4	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	17	<---
Zinc	6010	250	5000	0.1	24	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-40-10

Laboratory Sample Number: 97040522
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-16-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	150	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	31	<---
Cobalt	6010	80	8000	0.5	8.6	<---
Copper	6010	25	2500	0.1	15	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	13	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	30	<---
Zinc	6010	250	5000	0.1	53	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-41-1

Laboratory Sample Number: 97040523
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-16-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	64	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	21	<---
Cobalt	6010	80	8000	0.5	5.7	<---
Copper	6010	25	2500	0.1	9.1	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	12	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	23	<---
Zinc	6010	250	5000	0.1	32	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-41-4

Laboratory Sample Number: 97040524
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-16-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	100	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	30	<---
Cobalt	6010	80	8000	0.5	7.3	<---
Copper	6010	25	2500	0.1	13	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	15	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	32	<---
Zinc	6010	250	5000	0.1	44	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-41-10

Laboratory Sample Number: 97040525
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-16-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	100	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	27	<---
Cobalt	6010	80	8000	0.5	7.3	<---
Copper	6010	25	2500	0.1	14	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	13	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	29	<---
Zinc	6010	250	5000	0.1	48	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-42-1

Laboratory Sample Number: 97040526
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-16-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	94	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	30	<---
Cobalt	6010	80	8000	0.5	8.8	<---
Copper	6010	25	2500	0.1	16	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	16	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	27	<---
Zinc	6010	250	5000	0.1	49	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-42-4

Laboratory Sample Number: 97040527
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-16-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	82	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	17	<---
Cobalt	6010	80	8000	0.5	4.5	<---
Copper	6010	25	2500	0.1	5.1	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	9.0	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	22	<---
Zinc	6010	250	5000	0.1	24	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-42-10

Laboratory Sample Number: 97040528
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-16-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	130	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	25	<---
Cobalt	6010	80	8000	0.5	7.6	<---
Copper	6010	25	2500	0.1	14	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	12	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	28	<---
Zinc	6010	250	5000	0.1	51	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-43-1

Laboratory Sample Number: 97040529
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-16-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	60	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	16	<---
Cobalt	6010	80	8000	0.5	4.5	<---
Copper	6010	25	2500	0.1	4.6	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	8.3	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	19	<---
Zinc	6010	250	5000	0.1	26	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-43-4

Laboratory Sample Number: 97040530
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-16-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	95	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	18	<---
Cobalt	6010	80	8000	0.5	6.3	<---
Copper	6010	25	2500	0.1	9.4	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	11	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	16	<---
Zinc	6010	250	5000	0.1	31	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Laboratory Director

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Kennedy Jenks Consultants
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-43-10

Laboratory Sample Number: 97040531
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-16-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	140	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	30	<---
Cobalt	6010	80	8000	0.5	8.1	<---
Copper	6010	25	2500	0.1	15	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	14	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	35	<---
Zinc	6010	250	5000	0.1	57	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-39-1

Laboratory Sample Number: 97040532
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-16-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	100	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	27	<---
Cobalt	6010	80	8000	0.5	7.7	<---
Copper	6010	25	2500	0.1	11	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	15	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	28	<---
Zinc	6010	250	5000	0.1	39	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-39-4

Laboratory Sample Number: 97040533
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-16-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	120	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	34	<---
Cobalt	6010	80	8000	0.5	8.0	<---
Copper	6010	25	2500	0.1	14	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	14	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	33	<---
Zinc	6010	250	5000	0.1	46	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-39-10

Laboratory Sample Number: 97040534
Laboratory Reference #: KJC 8890

Sampled: 04-09-97
Received: 04-10-97
Analyzed: 04-16-97
Reported: 04-23-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	110	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	29	<---
Cobalt	6010	80	8000	0.5	7.5	<---
Copper	6010	25	2500	0.1	14	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	14	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	32	<---
Zinc	6010	250	5000	0.1	50	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Water, TB-115
Laboratory Sample #: 97040535
Laboratory Reference #: KJC 8890

Sampled : 04-09-97
Received: 04-10-97
Analyzed: 04-21-97
Reported: 04-23-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010)

ANALYTE	*DETECTION LIMIT* ug/l	*SAMPLE RESULTS* ug/l
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chlorodibromomethane	0.5	N.D.
Chloroethane	1.0	N.D.
2-Chloroethyl vinyl ether	5.0	N.D.
Chloroform	0.5	N.D.
Chloromethane	1.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.5	N.D.
1,2-Dichloroethane	0.5	N.D.
1,1-Dichloroethene	0.5	N.D.
Trans 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.5	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.5	N.D.
Tetrachloroethene	0.5	N.D.
1,1,1-Trichloroethane	0.5	N.D.
1,1,2-Trichloroethane	0.5	N.D.
Trichloroethene	0.5	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
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Surrogate Recovery	%
1,4-Dichlorobutane	*78*

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Water, TB-116
Laboratory Sample #: 97040536
Laboratory Reference #: KJC 8890

Sampled : 04-09-97
Received: 04-10-97
Analyzed: 04-21-97
Reported: 04-23-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010)

ANALYTE	*DETECTION LIMIT* ug/l	*SAMPLE RESULTS* ug/l
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chlorodibromomethane	0.5	N.D.
Chloroethane	1.0	N.D.
2-Chloroethyl vinyl ether	5.0	N.D.
Chloroform	0.5	N.D.
Chloromethane	1.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.5	N.D.
1,2-Dichloroethane	0.5	N.D.
1,1-Dichloroethene	0.5	N.D.
Trans 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.5	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.5	N.D.
Tetrachloroethene	0.5	N.D.
1,1,1-Trichloroethane	0.5	N.D.
1,1,2-Trichloroethane	0.5	N.D.
Trichloroethene	0.5	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recovery	%
1,4-Dichlorobutane	*85*

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sampled : 04-09-97
Received: 04-10-97
Analyzed: 04-21-97
Reported: 04-23-97

Sample Description: Water, EB-1
Laboratory Sample #: 97040537
Laboratory Reference #: KJC 8890

VOLATILE ORGANIC COMPOUNDS (EPA 8010)

ANALYTE	*DETECTION LIMIT* ug/l	*SAMPLE RESULTS* ug/l
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chlorodibromomethane	0.5	N.D.
Chloroethane	1.0	N.D.
2-Chloroethyl vinyl ether	5.0	N.D.
Chloroform	0.5	N.D.
Chloromethane	1.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.5	N.D.
1,2-Dichloroethane	0.5	N.D.
1,1-Dichloroethene	0.5	N.D.
Trans 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.5	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.5	N.D.
Tetrachloroethene	0.5	N.D.
1,1,1-Trichloroethane	0.5	N.D.
1,1,2-Trichloroethane	0.5	N.D.
Trichloroethene	0.5	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Surrogate Recovery	*%*
1,4-Dichlorobutane	*78*

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 04/16/97
Laboratory Sample No : 97040528
Laboratory Reference No : KJC 8890

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	30.00	28.00	27.00	93	90	4
Arsenic	0.00	10.00	8.00	8.20	80	82	2
Barium	13.00	10.00	22.00	23.00	90	100	4
Beryllium	0.00	1.00	0.95	0.94	95	94	1
Cadmium	0.00	1.00	1.13	1.10	113	110	3
Chromium (Total)	2.50	5.00	7.60	7.40	102	98	3
Chromium (VI)	0.00	1.00	0.93	0.99	93	99	6
Cobalt	0.76	1.00	1.74	1.60	98	84	8
Copper	1.40	1.00	2.24	2.21	84	81	1
Lead	0.00	10.00	8.80	8.40	88	84	5
Mercury	0.000	0.020	0.023	0.021	115	105	9
Molybdenum	0.00	10.00	8.50	8.90	85	89	5
Nickel	1.20	5.00	6.00	5.80	96	92	3
Selenium	0.00	10.00	10.90	9.70	109	97	12
Silver	0.00	5.00	4.50	4.50	90	90	0
Thallium	0.00	30.00	23.00	24.00	77	80	4
Vanadium	2.80	5.00	7.60	7.10	96	86	7
Zinc	5.10	5.00	9.20	9.30	82	84	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organic Compounds (EPA 8010)

Date of Analysis : 04/21/97
Laboratory Sample No : 97040407
Laboratory Reference No : KJC 8890

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
1,1-Dichloroethane	0.0	5.0	5.1	4.8	102	96	6
Trichloroethene	0.0	5.0	5.0	4.5	100	90	11
Tetrachloroethene	0.0	5.0	5.5	5.2	110	104	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 04/14/97
Laboratory Sample No : 97040511
Laboratory Reference No : KJC 8890

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	106	106	106	106	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organic Compounds (EPA 8010/8020)

Date of Analysis : 04/18/97
Laboratory Sample No : 97040523
Laboratory Reference No : KJC 8890

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	40	39	38	98	95	3
1,1-Dichloroethane	0.0	20	20	19	100	95	5
Trichloroethene	0.0	20	20	18	100	90	11
Tetrachloroethene	0.0	20	20	19	100	95	5
Toluene	0.0	40	40	39	100	98	3

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 04/18/97
Laboratory Sample No : 97040509
Laboratory Reference No : KJC 8890

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	48	53	96	106	10
1,1-Dichloroethene	0.0	50	41	43	82	86	5
Trichloroethene	0.0	50	56	62	112	124	10
Toluene	0.0	50	52	57	54	114	9
Chlorobenzene	0.0	50	47	51	51	102	8

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 04/12/97
Laboratory Sample No : 97040513
Laboratory Reference No : KJC 8890

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	30.00	27.00	26.00	90	87	4
Arsenic	0.00	10.00	8.00	9.30	80	93	15
Barium	13.00	10.00	23.00	22.00	100	90	4
Beryllium	0.00	1.00	1.01	1.03	101	103	2
Cadmium	0.00	1.00	0.87	0.89	87	89	2
Chromium (Total)	2.50	5.00	7.40	7.70	98	104	4
Chromium (VI)	0.00	1.00	0.92	0.86	92	86	7
Cobalt	0.79	1.00	1.72	1.72	93	93	0
Copper	1.70	1.00	2.65	2.80	95	110	6
Lead	0.00	10.00	9.40	9.30	94	93	1
Mercury	0.000	0.020	0.018	0.016	90	80	12
Molybdenum	0.00	10.00	8.50	8.40	85	84	1
Nickel	1.40	5.00	6.20	6.20	96	96	0
Selenium	0.00	10.00	10.20	8.90	102	89	14
Silver	0.00	5.00	4.40	4.20	88	84	5
Thallium	0.00	30.00	28.00	27.00	93	90	4
Vanadium	3.10	5.00	8.20	8.30	102	104	1
Zinc	4.70	5.00	9.90	9.30	104	92	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

MARK NOORANI
Laboratory Director

Analysis Request and Chain of Custody Record

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

Lab Job No: ____
Page 1 of ____

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: Metals, Cr+6

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Metals	Cr+6							REMARKS/PRECAUTIONS
5-27-1	1	4/9/97	1505	Soil	stainless steel		X	X							
5-27-4	1		1515				X	X							
5-27-10	1		1525				X	X							
5-33-1	1		1555				X	X							
5-33-4	1		1600				X	X							
5-33-10	1		1610				X	X							
5-36-1	1		1625				X	X							
5-36-4	1		1635				X	X							
5-36-10	1		1640				X	X							
5-34-1	1		1700				X	X							
5-34-4	1		1705				X	X							
5-34-10	1		1715				X	X							
5-35-1	1		1730				X	X							
5-35-4	1		1735				X	X							

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	4/9/97 2230	[signature]	4/9/97 2230
[signature]	4/10/97 1615		
		Received For Lab By: [signature]	4/10/97 16:15

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-C6-0106525

Analysis Request and Chain 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:	DMS

ANALYSIS/METHOD REQUEST: Metals, Cr+6

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Metals	Cr+6	REMARKS/PRECAUTIONS
5-35-10	1	4/9/97	1745	Soil	Stainless Steel		X	X	
5-40-1	1		1815				X	X	
5-40-4	1		1825				X	X	
5-40-10	1		1830				X	X	
5-41-1	1		1850				X	X	
5-41-4	1		1855				X	X	
5-41-10	1		1905				X	X	
5-42-1	1		1930				X	X	
5-42-4	1		1935				X	X	
5-42-10	1		1940				X	X	
5-43-1	1		2000				X	X	
5-43-4	1		2010				X	X	
5-43-10	1		2020				X	X	
5-39-1	1		2035				X	X	

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	4/9/97 2230	[signature]	4/9/97 2230
[signature]	4/10/97 1615		

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

Received For Lab By: [signature] Date/Time: 4/10/97 16:15

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

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 3 of _____

ORANGE COAST ANALYTICAL, INC.

3002 Dow, Suite 532
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(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:	924002.00
ADDRESS:		LOCATION:	Bldg 1 - Basement
		ADDRESS:	
PHONE:	FAX:	SAMPLED BY:	DMS

ANALYSIS/METHOD REQUEST: Metals, Cr+6, 8010

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Metals	Cr+6	8010	REMARKS/PRECAUTIONS
5-39-4	1	4/9/97	2040	Soil	Stainless Steel		X	X		
5-39-10	1		2050	Soil	"		X	X		
TB-115	1		—	Water	VOA				X	
TB-116	1		—	"	VOA				X	
EB-1	2		2200	"	VOA				X	

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Dalin M. El	4/9/97 2230	[signature]	4/9/97 2230
[signature]	4/10/97 1615		
		Received For Lab By: [signature]	4/10/97 16:15

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-C6-0106527

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

Page 1 of 1

REQUIRED TAT: Normal

CUSTOMER INFORMATION

COMPANY: Kennedy / Jenks
SEND REPORT TO: Rus Purcell
ADDRESS: 2151 Michelson Dr. Ste 100, Irvine CA 92612
PHONE: 714-261-1577 FAX: 261-2134

PROJECT INFORMATION

PROJECT NAME: Douglas Aircraft
NUMBER: 974002.00
LOCATION: Torrance C-6 Facility
ADDRESS:
SAMPLED BY: T. Knight

ANALYSIS/METHOD REQUEST: 8010/8020, 9260, 418.1

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	8010/8020	9260	418.1	REMARKS/PRECAUTIONS
S-41-1	1	4-9		Soil	poly tube		X			QA/QC
300-1-30-10		4-10					X			
~~300-1-30-10~~		~~4-10~~					~~X~~			
300-2-36-1		4-10					X			Samples
300-2-23-4		4-10					X			
S-33-4		4-9						X		
S-33-10		4-9						X		already
300-2-29-10		4-10							X	
S-33-1		4-9							X	Lab
S-36-1		4-9							X	
S-42-10		4-9							X	
300-2-23-25		4-10							X	

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jay Kn	4-11-97 1608		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	4/11/97 16:25

Reporting Format: (check)
NORMAL _____ S.D.I
RWQCB _____ OTHE

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.

Post-it® Fax Note 7671 | Date 4-15-97 | # of pages ▶ 1
To Marie | From Jay Knight
Co./Dept. Orange Coast | Co. Kennedy / Jenks
Phone # 714-832-0064 | Phone #
Fax # 714-832-0067 | Fax #

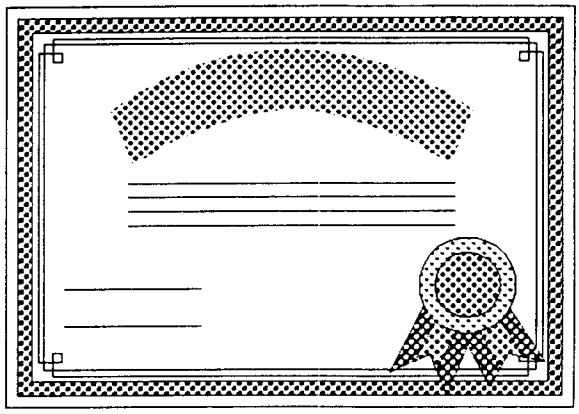
Check of Custody with corrected sample number.

P.1/1

BOE-C6-0106528

#15

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



ORANGE COAST ANALYTICAL THANKS YOU FOR YOUR BUSINESS

THE FOLLOWING PAGES ARE THE ANALYSIS REPORT

ON THE SAMPLES YOU REQUESTED.

IF YOU HAVE ANY QUESTIONS REGARDING THIS REPORT

PLEASE FEEL FREE TO CONTACT US.

#56

4/28/97

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Water, EB-1
Laboratory Sample #: 97040591
Laboratory Reference #: KJC 8894

Sampled : 04-10-97
Received: 04-11-97
Analyzed: 04-21-97
Reported: 04-24-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010)

ANALYTE	*DETECTION LIMIT* ug/l	*SAMPLE RESULTS* ug/l
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chlorodibromomethane	0.5	N.D.
Chloroethane	1.0	N.D.
2-Chloroethyl vinyl ether	5.0	N.D.
Chloroform	0.5	N.D.
Chloromethane	1.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.5	N.D.
1,2-Dichloroethane	0.5	N.D.
1,1-Dichloroethene	0.5	N.D.
Trans 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.5	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.5	N.D.
Tetrachloroethene	0.5	N.D.
1,1,1-Trichloroethane	0.5	N.D.
1,1,2-Trichloroethane	0.5	N.D.
Trichloroethene	0.5	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recovery	*%*
1,4-Dichlorobutane	*81*

ORANGE COAST ANALYTICAL, INC.
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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Water, TB-130
Laboratory Sample #: 97040592
Laboratory Reference #: KJC 8894

Sampled : 04-10-97
Received: 04-11-97
Analyzed: 04-21-97
Reported: 04-24-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010)

ANALYTE	*DETECTION LIMIT* ug/l	*SAMPLE RESULTS* ug/l
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chlorodibromomethane	0.5	N.D.
Chloroethane	1.0	N.D.
2-Chloroethyl vinyl ether	5.0	N.D.
Chloroform	0.5	N.D.
Chloromethane	1.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.5	N.D.
1,2-Dichloroethane	0.5	N.D.
1,1-Dichloroethene	0.5	N.D.
Trans 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.5	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.5	N.D.
Tetrachloroethene	0.5	N.D.
1,1,1-Trichloroethane	0.5	N.D.
1,1,2-Trichloroethane	0.5	N.D.
Trichloroethene	0.5	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recovery	%
1,4-Dichlorobutane	*76*

ORANGE COAST ANALYTICAL, INC.
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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Water, TB-131
Laboratory Sample #: 97040593
Laboratory Reference #: KJC 8894

Sampled : 04-10-97
Received: 04-11-97
Analyzed: 04-21-97
Reported: 04-24-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010)

ANALYTE	*DETECTION LIMIT ug/l*	*SAMPLE RESULTS ug/l*
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chlorodibromomethane	0.5	N.D.
Chloroethane	1.0	N.D.
2-Chloroethyl vinyl ether	5.0	N.D.
Chloroform	0.5	N.D.
Chloromethane	1.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.5	N.D.
1,2-Dichloroethane	0.5	N.D.
1,1-Dichloroethene	0.5	N.D.
Trans 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.5	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.5	N.D.
Tetrachloroethene	0.5	N.D.
1,1,1-Trichloroethane	0.5	N.D.
1,1,2-Trichloroethane	0.5	N.D.
Trichloroethene	0.5	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recovery	*%*
1,4-Dichlorobutane	*80*

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-38-1

Laboratory Sample Number: 97040582
Laboratory Reference #: KJC 8894

Sampled: 04-10-97
Received: 04-11-97
Analyzed: 04-16-97
Reported: 04-24-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	65	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	18	<---
Cobalt	6010	80	8000	0.5	10	<---
Copper	6010	25	2500	0.1	6.4	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	N.D.	
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	18	<---
Zinc	6010	250	5000	0.1	30	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-38-4

Laboratory Sample Number: 97040583
Laboratory Reference #: KJC 8894

Sampled: 04-10-97
Received: 04-11-97
Analyzed: 04-16-97
Reported: 04-24-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	88	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	17	<---
Cobalt	6010	80	8000	0.5	6.1	<---
Copper	6010	25	2500	0.1	7.3	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	10	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	15	<---
Zinc	6010	250	5000	0.1	34	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-38-10

Laboratory Sample Number: 97040584
Laboratory Reference #: KJC 8894

Sampled: 04-10-97
Received: 04-11-97
Analyzed: 04-16-97
Reported: 04-24-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	80	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	18	<---
Cobalt	6010	80	8000	0.5	5.7	<---
Copper	6010	25	2500	0.1	10	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	9.6	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	22	<---
Zinc	6010	250	5000	0.1	35	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-37-1

Laboratory Sample Number: 97040585
Laboratory Reference #: KJC 8894

Sampled: 04-10-97
Received: 04-11-97
Analyzed: 04-16-97
Reported: 04-24-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	90	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	14	<---
Cobalt	6010	80	8000	0.5	5.5	<---
Copper	6010	25	2500	0.1	5.9	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	8.5	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	16	<---
Zinc	6010	250	5000	0.1	29	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani

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Laboratory Director

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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-37-4

Laboratory Sample Number: 97040586
Laboratory Reference #: KJC 8894

Sampled: 04-10-97
Received: 04-11-97
Analyzed: 04-16-97
Reported: 04-24-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	77	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	16	<---
Cobalt	6010	80	8000	0.5	4.3	<---
Copper	6010	25	2500	0.1	7.3	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	7.1	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	15	<---
Zinc	6010	250	5000	0.1	29	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-37-10

Laboratory Sample Number: 97040587
Laboratory Reference #: KJC 8894

Sampled: 04-10-97
Received: 04-11-97
Analyzed: 04-16-97
Reported: 04-24-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	68	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	11	<---
Cobalt	6010	80	8000	0.5	4.3	<---
Copper	6010	25	2500	0.1	8.1	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	6.4	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	14	<---
Zinc	6010	250	5000	0.1	28	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-30-1

Laboratory Sample Number: 97040588
Laboratory Reference #: KJC 8894

Sampled: 04-10-97
Received: 04-11-97
Analyzed: 04-16-97
Reported: 04-24-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	100	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	28	<---
Cobalt	6010	80	8000	0.5	6.8	<---
Copper	6010	25	2500	0.1	12	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	14	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	25	<---
Zinc	6010	250	5000	0.1	47	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-30-4

Laboratory Sample Number: 97040589
Laboratory Reference #: KJC 8894

Sampled: 04-10-97
Received: 04-11-97
Analyzed: 04-16-97
Reported: 04-24-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	77	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	17	<---
Cobalt	6010	80	8000	0.5	5.5	<---
Copper	6010	25	2500	0.1	6.8	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	8.7	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	16	<---
Zinc	6010	250	5000	0.1	31	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-30-10

Laboratory Sample Number: 97040590
Laboratory Reference #: KJC 8894

Sampled: 04-10-97
Received: 04-11-97
Analyzed: 04-16-97
Reported: 04-24-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	130	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	34	<---
Cobalt	6010	80	8000	0.5	8.8	<---
Copper	6010	25	2500	0.1	15	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	16	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	34	<---
Zinc	6010	250	5000	0.1	66	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 04/16/97
Laboratory Sample No : 97040587
Laboratory Reference No : KJC 8894

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	30.00	25.00	26.00	83	87	4
Arsenic	0.00	10.00	10.60	11.20	106	112	6
Barium	6.80	10.00	16.80	15.30	100	85	9
Beryllium	0.00	1.00	0.98	1.01	98	101	3
Cadmium	0.00	1.00	0.89	0.95	89	95	7
Chromium (Total)	1.10	5.00	5.90	5.50	96	88	7
Chromium (VI)	0.00	1.00	0.84	0.89	84	89	6
Cobalt	0.43	1.00	1.40	1.54	97	111	10
Copper	0.81	1.00	1.82	1.93	101	112	6
Lead	0.00	10.00	8.30	8.70	83	87	5
Mercury	0.000	0.020	0.016	0.018	80	90	12
Molybdenum	0.00	10.00	8.00	8.30	80	83	4
Nickel	0.64	5.00	5.00	5.60	87	99	11
Selenium	0.00	10.00	8.00	8.60	80	86	7
Silver	0.00	5.00	4.70	5.30	94	106	12
Thallium	0.00	30.00	23.00	24.00	77	80	4
Vanadium	1.40	5.00	5.70	5.60	86	84	2
Zinc	2.80	5.00	7.60	8.10	96	106	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organic Compounds (EPA 8010)

Date of Analysis : 04/21/97
Laboratory Sample No : 97040407
Laboratory Reference No : KJC 8894

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
1,1-Dichloroethane	0.0	5.0	5.1	4.8	102	96	6
Trichloroethene	0.0	5.0	5.0	4.5	100	90	11
Tetrachloroethene	0.0	5.0	5.5	5.2	110	104	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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Laboratory Director

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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:	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.	Metals	Cr+6	8010						REMARKS/PRECAUTIONS
5-38-1	1	4/10/97	1530	Soil	Stainless Steel		X	X							
5-38-4	1		1535				X	X							
5-38-10	1		1545				X	X							
5-37-1	1		1555				X	X							
5-37-4	1		1600				X	X							
5-37-10	1		1605				X	X							
5-30-1	1		1635				X	X							
5-30-4	1		1645				X	X							
5-30-10	1		1650				X	X							
EB-1	2		2235	Water	VOA				X						
TB-130	1		—	"	"				X						
TB-131	1		—	"	"				X						

Total No. of Samples:	Method of Shipment:	
Relinquished By: Jay [illegible] Date/Time: 4-11-97 1625	Received By: Date/Time:	Reporting Format: (check) NORMAL ____ S.D. HMMD ____ RWQCB ____ OTHER ____
Relinquished By: Date/Time:	Received By: Date/Time:	
Relinquished By: Date/Time:	Received For Lab By: [illegible] Date/Time: 4/11/97 16:25	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-C6-0106544

#16

4/28/97

ORANGE COAST ANALYTICAL, INC.
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.ennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: KJC 8904

Sampled : 04-11-97
Received: 04-14-97
Analyzed: 04-18-97
Reported: 04-24-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/kg)*
97040623	2BB-5-23-15	22
ɔetection Limit:		8.0

Analyte reported as N.D. was not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Mark Noorani
Laboratory Director

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil

Laboratory Reference #: KJC 8904

Sampled : 04-11-97
Received: 04-14-97
Analyzed: 04-15-97
Reported: 04-24-97

pH (EPA 9045)

Laboratory Sample Number	*Client Sample Number*	*Sample Result*
97040620	2BB-5-23-1	7.8
97040621	2BB-5-23-4	7.3
97040622	2BB-5-23-10	7.5
97040623	2BB-5-23-15	7.7
97040624	2BB-5-23-20	7.8
97040625	2BB-5-23-25	7.9

ORANGE COAST ANALYTICAL

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-5-23-1

Laboratory Sample Number: 97040620
Laboratory Reference #: KJC 8904

Sampled: 04-11-97
Received: 04-14-97
Analyzed: 04-17-97
Reported: 04-24-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	80	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	19	<---
Cobalt	6010	80	8000	0.5	7.3	<---
Copper	6010	25	2500	0.1	15	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	11	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	24	<---
Zinc	6010	250	5000	0.1	36	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-5-23-4

Laboratory Sample Number: 97040621
Laboratory Reference #: KJC 8904

Sampled: 04-11-97
Received: 04-14-97
Analyzed: 04-17-97
Reported: 04-24-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	82	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	23	<---
Cobalt	6010	80	8000	0.5	6.9	<---
Copper	6010	25	2500	0.1	7.8	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	12	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	27	<---
Zinc	6010	250	5000	0.1	31	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-5-23-10

Laboratory Sample Number: 97040622
Laboratory Reference #: KJC 8904

Sampled: 04-11-97
Received: 04-14-97
Analyzed: 04-17-97
Reported: 04-24-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	100	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	27	<---
Cobalt	6010	80	8000	0.5	7.5	<---
Copper	6010	25	2500	0.1	18	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	14	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	28	<---
Zinc	6010	250	5000	0.1	47	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-5-23-15

Laboratory Sample Number: 97040623
Laboratory Reference #: KJC 8904

Sampled: 04-11-97
Received: 04-14-97
Analyzed: 04-17-97
Reported: 04-24-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	94	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	22	<---
Cobalt	6010	80	8000	0.5	6.0	<---
Copper	6010	25	2500	0.1	11	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	9.5	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	24	<---
Zinc	6010	250	5000	0.1	39	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-5-23-20

Laboratory Sample Number: 97040624
Laboratory Reference #: KJC 8904

Sampled: 04-11-97
Received: 04-14-97
Analyzed: 04-17-97
Reported: 04-24-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	110	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	23	<---
Cobalt	6010	80	8000	0.5	6.1	<---
Copper	6010	25	2500	0.1	15	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	9.9	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	27	<---
Zinc	6010	250	5000	0.1	43	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-5-23-25

Laboratory Sample Number: 97040625
Laboratory Reference #: KJC 8904

Sampled: 04-11-97
Received: 04-14-97
Analyzed: 04-17-97
Reported: 04-24-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	160	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	33	<---
Cobalt	6010	80	8000	0.5	8.5	<---
Copper	6010	25	2500	0.1	24	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	17	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	30	<---
Zinc	6010	250	5000	0.1	63	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Water, TB-128
Laboratory Sample #: 97040626
Laboratory Reference #: KJC 8904

Sampled : ---
Received: 04-14-97
Analyzed: 04-23-97
Reported: 04-24-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010)

ANALYTE	*DETECTION LIMIT* ug/l	*SAMPLE RESULTS* ug/l
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chlorodibromomethane	0.5	N.D.
Chloroethane	1.0	N.D.
2-Chloroethyl vinyl ether	5.0	N.D.
Chloroform	0.5	N.D.
Chloromethane	1.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.5	N.D.
1,2-Dichloroethane	0.5	N.D.
1,1-Dichloroethene	0.5	N.D.
Trans 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.5	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.5	N.D.
Tetrachloroethene	0.5	N.D.
1,1,1-Trichloroethane	0.5	N.D.
1,1,2-Trichloroethane	0.5	N.D.
Trichloroethene	0.5	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recovery	%
1,4-Dichlorobutane	*83*

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Water, EB-1
Laboratory Sample #: 97040627
Laboratory Reference #: KJC 8904

Sampled : ---
Received: 04-14-97
Analyzed: 04-23-97
Reported: 04-24-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010)

ANALYTE	*DETECTION LIMIT* ug/l	*SAMPLE RESULTS* ug/l
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chlorodibromomethane	0.5	N.D.
Chloroethane	1.0	N.D.
2-Chloroethyl vinyl ether	5.0	N.D.
Chloroform	0.5	N.D.
Chloromethane	1.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.5	N.D.
1,2-Dichloroethane	0.5	N.D.
1,1-Dichloroethene	0.5	N.D.
Trans 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.5	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.5	N.D.
Tetrachloroethene	0.5	N.D.
1,1,1-Trichloroethane	0.5	N.D.
1,1,2-Trichloroethane	0.5	N.D.
Trichloroethene	0.5	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recovery	%
1,4-Dichlorobutane	*84*

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 04/18/97
Laboratory Sample No : 97040628
Laboratory Reference No : KJC 8904

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	97	107	97	107	10

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
S	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

Mark Noorani

MARK NOORANI
Laboratory Director

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QC DATA REPORT

Analysis : Volatile Organic Compounds (EPA 8010)

Date of Analysis : 04/23/97
Laboratory Sample No : 97040716
Laboratory Reference No : KJC 8904

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
1,1-Dichloroethane	0.0	5.0	4.9	4.7	98	94	4
Trichloroethene	0.0	5.0	5.0	4.8	100	96	4
Tetrachloroethene	0.0	5.0	5.1	4.8	102	96	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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MARK NOORANI
Laboratory Director

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 04/17/97
Laboratory Sample No : 97040636
Laboratory Reference No : KJC 8904

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	30.00	30.20	28.80	101	96	5
Arsenic	0.00	10.00	8.20	8.00	82	80	2
Barium	12.00	10.00	22.00	21.00	100	90	5
Beryllium	0.00	1.00	1.03	0.92	103	92	11
Cadmium	0.00	1.00	1.00	1.05	100	105	5
Chromium (Total)	2.60	5.00	7.00	6.60	88	80	6
Chromium (VI)	0.00	1.00	0.87	0.81	87	81	7
Cobalt	0.69	1.00	1.51	1.64	82	95	8
Copper	1.50	1.00	2.30	2.30	80	80	0
Lead	0.00	10.00	9.90	10.20	99	102	3
Mercury	0.000	0.020	0.019	0.021	95	105	10
Molybdenum	0.00	10.00	10.80	10.90	108	109	1
Nickel	1.10	5.00	5.70	5.60	92	90	2
Selenium	0.00	10.00	10.50	9.90	105	99	6
Silver	0.00	5.00	5.20	5.20	104	104	0
Thallium	0.00	30.00	32.00	33.00	107	110	3
Vanadium	2.90	5.00	7.50	7.60	92	94	1
Zinc	4.70	5.00	8.80	8.70	82	80	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

MARK NOORANI
Laboratory Director

Analysis Request and Chain of Custody Record

Lab Job No: ____
Page 1 of 1

ORANGE COAST ANALYTICAL, INC.

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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 - Dip Tank Area
		ADDRESS:	
PHONE:	FAX:	SAMPLED BY:	DMS

ANALYSIS/METHOD REQUEST: Metals, Cr+6, pH, 8010

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Metals	Cr+6	pH	8010					REMARKS/PRECAUTIONS
5-46-1	1	4/11/97	1640	Soil	Stainless steel		X	X	X						
5-46-4	1		1645				X	X	X						
5-46-10	1		1650				X	X	X						
5-46-15	1		1655				X	X	X						
5-46-20	1		1705				X	X	X						
5-46-25	1		1715				X	X	X						
TB-128	1		—	Water	VOA					X					
EB-1	2		1825	Water	VOA					X					

Total No. of Samples:	Method of Shipment:	
Relinquished By: Dale M. [illegible] Date/Time: 4/11/97 1945	Received By: [illegible] Date/Time: 4-11-97 1945	Reporting Format: (check) NORMAL ____ S.D. HMMD ____ RWQCB ____ OTHER ____
Relinquished By: [illegible] Date/Time: 4-14-97	Received By: Date/Time:	
Relinquished By: Date/Time:	Received For Lab By: [illegible] Date/Time: 4/14/97 17:00	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.

Analysis Request and Chain of Custody Record

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

Lab Job No: _____
Page 1 of 1

REQUIRED TAT: _____

CUSTOMER INFORMATION

COMPANY: Kennedy/Jenks
SEND REPORT TO:
ADDRESS:
PHONE: FAX:

PROJECT INFORMATION

PROJECT NAME: DAC
NUMBER: 974002.00
LOCATION: Bldg 1 - Dip Tank Area
ADDRESS:
SAMPLED BY: DMS

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Metals	Cr+6	PH	8010				REMARKS/PRECAUTIONS
5-46-1	1	4/11/97	1640	Soil	Stainless steel		X	X	X					Please Change #'s to 2BB-5-23-1
5-46-4	1		1645				X	X	X					2BB-5-23-4
5-46-10	1		1650				X	X	X					2BB-5-23-10
5-46-15	1		1655				X	X	X					2BB-5-23-15
5-46-20	1		1705				X	X	X					2BB-5-23-20
5-46-25	1		1715				X	X	X					2BB-5-23-25
TB-128	1		—	Water	VOA					X				
EB-1	2		1825	Water	VOA					X				

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Dale M. S[illegible]	4/11/97 1945	[illegible]	4-11-97 1945
[illegible]	4-14-97		
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	4/14/97 17:00

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.

APR 22 '97 10:51AM MCDONNELL DOUGLAS P.2/2

BOE-C6-0106559

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

Ana's Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

REQUIRED TAT: Normal

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Kennedy / Jenks	PROJECT NAME:	Douglas Aircraft
SEND REPORT TO:	Rus Purcell	NUMBER:	974002.00
ADDRESS:	2151 Michelson Dr., Ste. 100 Irvine, CA 92612	LOCATION:	Torrance C-6 Facility
		ADDRESS:	
PHONE:	714-261-1577 FAX: 261-2134	SAMPLED BY:	J. Knight

ANALYSIS/METHOD REQUEST: 418.1; 8010/8020; 8260

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	418.1	8010/8020	8260	REMARKS/PRECAUTIONS
2BB-2-6-1	1	4-14-97		Soil	poly sleeve		X			
5-46-15	1	4-14-97			steel tube		X			
2BB-2-22-1	1	4-11-97			poly sleeve			X		
2BB-2-31-20	1	4-11-97						X		10% ND QA/QC Samples already in Lab
2BB-2-33-10	1	4-11-97						X		
2BB-2-35-4	1	4-14-97						X		
2BB-2-1-10	1	4-14-97						X		
2BB-2-4-4	1	4-14-97						X		
2BB-2-3-10	1	4-14-97						X		
36-9-20		4-10-97			steel tube				X	Samples included in this shipment. Please note collection date is approaching holding time limit.
36-9-25		4-10-97							X	
36-10-10		4-10-97							X	
36-12-20		4-10-97							X	
36-12-15		4-10-97							X	

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jay Knight	4-15-97 1640		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	4/15/97 16:45

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

Sample Integrity: (check)
intact _____ on ice _____

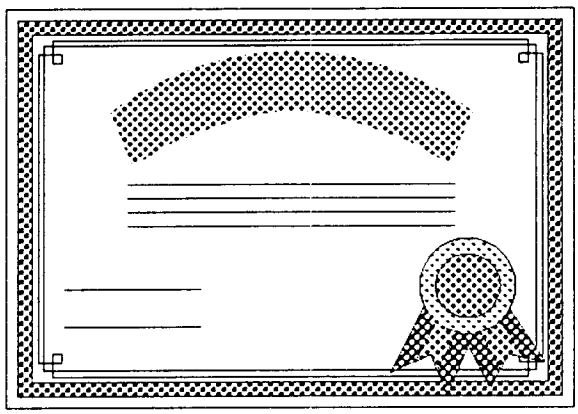
All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0106560

#21

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

RECEIVED
MAY 01 1997
JENKINS CONSULTANTS



ORANGE COAST ANALYTICAL THANKS YOU FOR YOUR BUSINESS

THE FOLLOWING PAGES ARE THE ANALYSIS REPORT

ON THE SAMPLES YOU REQUESTED.

IF YOU HAVE ANY QUESTIONS REGARDING THIS REPORT

PLEASE FEEL FREE TO CONTACT US.

#62

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/kg)*
97040831	2BB-1A-17-50	N.D.
97040837	2BB-5-20-40	N.D.
97040847	2BB-1-5-4	3,100
Detection Limit:		8.0

Analyte reported as N.D. was not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-5-40
Laboratory Sample Number: 97040851
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-25-97
Reported: 04-30-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*	
Benzene	71-43-2	2.5	N.D.	
Bromodichloromethane	75-27-4	2.5	N.D.	
Bromoform	75-25-2	2.5	N.D.	
Bromomethane	74-83-9	2.5	N.D.	
Carbon Disulfide	75-15-0	5.0	N.D.	
Carbon tetrachloride	56-23-5	2.5	N.D.	
Chlorobenzene	108-90-7	2.5	N.D.	
Chlorodibromomethane	124-48-1	2.5	N.D.	
Chloroethane	75-00-3	2.5	N.D.	
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.	
Chloroform	67-66-3	2.5	N.D.	
Chloromethane	74-87-3	2.5	N.D.	
1,1-Dichloroethane	75-35-3	2.5	N.D.	
1,2-Dichloroethane	107-06-2	2.5	N.D.	
1,1-Dichloroethene	75-35-4	2.5	130	<---
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.	
1,2-Dichloropropane	78-87-5	2.5	N.D.	
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.	
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.	
Ethylbenzene	100-41-4	2.5	N.D.	
Methylene chloride	75-09-2	5.0	N.D.	
Styrene	100-42-5	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
Tetrachloroethene	127-18-4	2.5	N.D.	
Toluene	108-88-3	2.5	N.D.	
1,1,1-Trichloroethane	71-55-6	2.5	N.D.	
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
Trichloroethene	79-01-6	2.5	16	<---
Trichlorofluoromethane	75-69-4	5.0	N.D.	
Vinyl acetate	108-05-4	5.0	N.D.	
Vinyl chloride	75-01-4	2.5	N.D.	
Total Xylenes	1330-20-7	2.5	N.D.	
Dichlorofluoromethane	75-71-8	2.5	N.D.	
cis-1-2,-Dichloroethane	156-59-4	2.5	N.D.	
2,2-Dichloropropane	590-20-7	2.5	N.D.	
Bromochloromethane	74-97-5	2.5	N.D.	
1,1-Dichloropropene	563-58-6	2.5	N.D.	
1,2-Dichloropropane	78-87-5	2.5	N.D.	
Dibromomethane	74-95-3	2.5	N.D.	
trans-1,3-Dichloropropane	10061-02-6	2.5	N.D.	
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
1,2-Dibromoethane	106-93-4	2.5	N.D.	

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

Sample Description: Soil, 2BB-1-5-40

Laboratory Sample Number: 97040851

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*
1,3-Dichloropropane	142-28-9	2.5	N.D.
Dibromochloromethane	124-48-1	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1-2-Dibromo-2-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recoveries	*%*
Dibromofluoromethane	*107*
Toluene-d8	*99*
4-Bromofluorobenbzene	*112*

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-6-30
Laboratory Sample Number: 97040857
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-25-97
Reported: 04-30-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*	
Benzene	71-43-2	2.5	N.D.	
Bromodichloromethane	75-27-4	2.5	N.D.	
Bromoform	75-25-2	2.5	N.D.	
Bromomethane	74-83-9	2.5	N.D.	
Carbon Disulfide	75-15-0	5.0	N.D.	
Carbon tetrachloride	56-23-5	2.5	N.D.	
Chlorobenzene	108-90-7	2.5	N.D.	
Chlorodibromomethane	124-48-1	2.5	N.D.	
Chloroethane	75-00-3	2.5	N.D.	
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.	
Chloroform	67-66-3	2.5	N.D.	
Chloromethane	74-87-3	2.5	N.D.	
1,1-Dichloroethane	75-35-3	2.5	N.D.	
1,2-Dichloroethane	107-06-2	2.5	N.D.	
1,1-Dichloroethene	75-35-4	2.5	5.5	<---
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.	
1,2-Dichloropropane	78-87-5	2.5	N.D.	
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.	
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.	
Ethylbenzene	100-41-4	2.5	N.D.	
Methylene chloride	75-09-2	5.0	N.D.	
Styrene	100-42-5	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
Tetrachloroethene	127-18-4	2.5	N.D.	
Toluene	108-88-3	2.5	N.D.	
1,1,1-Trichloroethane	71-55-6	2.5	N.D.	
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
Trichloroethene	79-01-6	2.5	7.7	<---
Trichlorofluoromethane	75-69-4	5.0	N.D.	
Vinyl acetate	108-05-4	5.0	N.D.	
Vinyl chloride	75-01-4	2.5	N.D.	
Total Xylenes	1330-20-7	2.5	N.D.	
Dichlorofluoromethane	75-71-8	2.5	N.D.	
cis-1-2,-Dichloroethane	156-59-4	2.5	N.D.	
2,2-Dichloropropane	590-20-7	2.5	N.D.	
Bromochloromethane	74-97-5	2.5	N.D.	
1,1-Dichloropropene	563-58-6	2.5	N.D.	
1,2-Dichloropropane	78-87-5	2.5	N.D.	
Dibromomethane	74-95-3	2.5	N.D.	
trans-1,3-Dichloropropane	10061-02-6	2.5	N.D.	
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
1,2-Dibromoethane	106-93-4	2.5	N.D.	

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

Sample Description: Soil, 2BB-1-6-30

Laboratory Sample Number: 97040857

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*
1,3-Dichloropropane	142-28-9	2.5	N.D.
Dibromochloromethane	124-48-1	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1-2-Dibromo-2-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recoveries	*%*
Dibromofluoromethane	*104*
Toluene-d8	*95*
4-Bromofluorobenbzene	*105*

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-6-40
Laboratory Sample Number: 97040858
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-25-97
Reported: 04-30-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*	
Benzene	71-43-2	2.5	N.D.	
Bromodichloromethane	75-27-4	2.5	N.D.	
Bromoform	75-25-2	2.5	N.D.	
Bromomethane	74-83-9	2.5	N.D.	
Carbon Disulfide	75-15-0	5.0	N.D.	
Carbon tetrachloride	56-23-5	2.5	N.D.	
Chlorobenzene	108-90-7	2.5	N.D.	
Chlorodibromomethane	124-48-1	2.5	N.D.	
Chloroethane	75-00-3	2.5	N.D.	
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.	
Chloroform	67-66-3	2.5	N.D.	
Chloromethane	74-87-3	2.5	N.D.	
1,1-Dichloroethane	75-35-3	2.5	N.D.	
1,2-Dichloroethane	107-06-2	2.5	N.D.	
1,1-Dichloroethene	75-35-4	2.5	250	<---
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.	
1,2-Dichloropropane	78-87-5	2.5	N.D.	
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.	
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.	
Ethylbenzene	100-41-4	2.5	N.D.	
Methylene chloride	75-09-2	5.0	N.D.	
Styrene	100-42-5	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
Tetrachloroethene	127-18-4	2.5	N.D.	
Toluene	108-88-3	2.5	N.D.	
1,1,1-Trichloroethane	71-55-6	2.5	N.D.	
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
Trichloroethene	79-01-6	2.5	120	<---
Trichlorofluoromethane	75-69-4	5.0	N.D.	
Vinyl acetate	108-05-4	5.0	N.D.	
Vinyl chloride	75-01-4	2.5	N.D.	
Total Xylenes	1330-20-7	2.5	N.D.	
Dichlorofluoromethane	75-71-8	2.5	N.D.	
cis-1-2,-Dichloroethane	156-59-4	2.5	N.D.	
2,2-Dichloropropane	590-20-7	2.5	N.D.	
Bromochloromethane	74-97-5	2.5	N.D.	
1,1-Dichloropropene	563-58-6	2.5	N.D.	
1,2-Dichloropropane	78-87-5	2.5	N.D.	
Dibromomethane	74-95-3	2.5	N.D.	
trans-1,3-Dichloropropane	10061-02-6	2.5	N.D.	
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
1,2-Dibromoethane	106-93-4	2.5	N.D.	

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

Sample Description: Soil, 2BB-1-6-40

Laboratory Sample Number: 97040858

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*
1,3-Dichloropropane	142-28-9	2.5	N.D.
Dibromochloromethane	124-48-1	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1-2-Dibromo-2-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recoveries	*%*
Dibromofluoromethane	*104*
Toluene-d8	*97*
4-Bromofluorobenbzene	*109*

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-6-50
Laboratory Sample Number: 97040859
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-25-97
Reported: 04-30-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*	
Benzene	71-43-2	2.5	N.D.	
Bromodichloromethane	75-27-4	2.5	N.D.	
Bromoform	75-25-2	2.5	N.D.	
Bromomethane	74-83-9	2.5	N.D.	
Carbon Disulfide	75-15-0	5.0	N.D.	
Carbon tetrachloride	56-23-5	2.5	N.D.	
Chlorobenzene	108-90-7	2.5	N.D.	
Chlorodibromomethane	124-48-1	2.5	N.D.	
Chloroethane	75-00-3	2.5	N.D.	
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.	
Chloroform	67-66-3	2.5	N.D.	
Chloromethane	74-87-3	2.5	N.D.	
1,1-Dichloroethane	75-35-3	2.5	N.D.	
1,2-Dichloroethane	107-06-2	2.5	N.D.	
1,1-Dichloroethene	75-35-4	2.5	N.D.	
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.	
1,2-Dichloropropane	78-87-5	2.5	N.D.	
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.	
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.	
Ethylbenzene	100-41-4	2.5	N.D.	
Methylene chloride	75-09-2	5.0	N.D.	
Styrene	100-42-5	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
Tetrachloroethene	127-18-4	2.5	N.D.	
Toluene	108-88-3	2.5	N.D.	
1,1,1-Trichloroethane	71-55-6	2.5	N.D.	
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
Trichloroethene	79-01-6	2.5	4.1	<---
Trichlorofluoromethane	75-69-4	5.0	N.D.	
Vinyl acetate	108-05-4	5.0	N.D.	
Vinyl chloride	75-01-4	2.5	N.D.	
Total Xylenes	1330-20-7	2.5	N.D.	
Dichlorofluoromethane	75-71-8	2.5	N.D.	
cis-1-2,-Dichloroethane	156-59-4	2.5	N.D.	
2,2-Dichloropropane	590-20-7	2.5	N.D.	
Bromochloromethane	74-97-5	2.5	N.D.	
1,1-Dichloropropene	563-58-6	2.5	N.D.	
1,2-Dichloropropane	78-87-5	2.5	N.D.	
Dibromomethane	74-95-3	2.5	N.D.	
trans-1,3-Dichloropropane	10061-02-6	2.5	N.D.	
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
1,2-Dibromoethane	106-93-4	2.5	N.D.	

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Sample Description: Soil, 2BB-1-6-50

Laboratory Sample Number: 97040859

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*
1,3-Dichloropropane	142-28-9	2.5	N.D.
Dibromochloromethane	124-48-1	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1-2-Dibromo-2-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director

Surrogate Recoveries	*%*
Dibromofluoromethane	*108*
Toluene-d8	*94*
4-Bromofluorobenbzene	*106*

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Kennedy Jenks Consultants
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1A-17-4
Laboratory Sample #: 97040826
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-30-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010/8020)

ANALYTE	*DETECTION LIMIT* ug/kg	*SAMPLE RESULTS* ug/kg
Benzene	5.0	N.D.
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chlorodibromomethane	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethyl vinyl ether	25	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Trans 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	20	N.D.
Ethylbenzene	5.0	N.D.
Methylene chloride	25	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
Toluene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	10	N.D.
Total Xylenes	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Surrogate Recovery	%
alpha, alpha, alpha-trifluorotoluene	*104*
1,4-Dichlorobutane	*80*

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-5-20-20
Laboratory Sample #: 97040835
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-30-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010/8020)

ANALYTE	*DETECTION LIMIT* ug/kg	*SAMPLE RESULTS* ug/kg
Benzene	5.0	N.D.
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chlorodibromomethane	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethyl vinyl ether	25	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Trans 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	20	N.D.
Ethylbenzene	5.0	N.D.
Methylene chloride	25	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
Toluene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	10	N.D.
Total Xylenes	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Surrogate Recovery	%
alpha, alpha, alpha-trifluorotoluene	*103*
1,4-Dichlorobutane	*82*

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-5-1
Laboratory Sample #: 97040846
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-30-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010/8020)

ANALYTE	*DETECTION LIMIT* ug/kg	*SAMPLE RESULTS* ug/kg
Benzene	5.0	N.D.
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chlorodibromomethane	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethyl vinyl ether	25	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Trans 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	20	N.D.
Ethylbenzene	5.0	N.D.
Methylene chloride	25	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
Toluene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	10	N.D.
Total Xylenes	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Surrogate Recovery	%
alpha, alpha, alpha-trifluorotoluene	*102*
1,4-Dichlorobutane	*82*

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Water, TB-151
Laboratory Sample #: 97040860
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-23-97
Reported: 04-28-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010/8020)

ANALYTE	*DETECTION LIMIT* ug/l	*SAMPLE RESULTS* ug/l
Benzene	0.5	N.D.
Bromodichloromethane	0.5	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chlorodibromomethane	0.5	N.D.
Chloroethane	1.0	N.D.
2-Chloroethyl vinyl ether	5.0	N.D.
Chloroform	0.5	N.D.
Chloromethane	1.0	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.5	N.D.
1,2-Dichloroethane	0.5	N.D.
1,1-Dichloroethene	0.5	N.D.
Trans 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	1.0	N.D.
cis-1,3-Dichloropropene	1.0	N.D.
trans-1,3-Dichloropropene	1.0	N.D.
Ethylbenzene	0.5	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	1.0	N.D.
Tetrachloroethene	0.5	N.D.
Toluene	0.5	N.D.
1,1,1-Trichloroethane	0.5	N.D.
1,1,2-Trichloroethane	1.0	N.D.
Trichloroethene	0.5	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	1.0	N.D.
Total Xylenes	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Surrogate Recovery	%
alpha, alpha, alpha-trifluorotoluene	*100*
1,4-Dichlorobutane	*77*

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Water, TB-152
Laboratory Sample #: 97040861
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-23-97
Reported: 04-28-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010/8020)

ANALYTE	*DETECTION LIMIT ug/l*	*SAMPLE RESULTS ug/l*
Benzene	0.5	N.D.
Bromodichloromethane	0.5	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chlorodibromomethane	0.5	N.D.
Chloroethane	1.0	N.D.
2-Chloroethyl vinyl ether	5.0	N.D.
Chloroform	0.5	N.D.
Chloromethane	1.0	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.5	N.D.
1,2-Dichloroethane	0.5	N.D.
1,1-Dichloroethene	0.5	N.D.
Trans 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	1.0	N.D.
cis-1,3-Dichloropropene	1.0	N.D.
trans-1,3-Dichloropropene	1.0	N.D.
Ethylbenzene	0.5	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	1.0	N.D.
Tetrachloroethene	0.5	N.D.
Toluene	0.5	N.D.
1,1,1-Trichloroethane	0.5	N.D.
1,1,2-Trichloroethane	1.0	N.D.
Trichloroethene	0.5	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	1.0	N.D.
Total Xylenes	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Surrogate Recovery	*%*
alpha, alpha, alpha-trifluorotoluene	*101*
1,4-Dichlorobutane	*78*

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Water, EB-1
Laboratory Sample #: 97040862
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-23-97
Reported: 04-28-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010/8020)

ANALYTE	*DETECTION LIMIT* ug/l	*SAMPLE RESULTS* ug/l
Benzene	0.5	N.D.
Bromodichloromethane	0.5	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chlorodibromomethane	0.5	N.D.
Chloroethane	1.0	N.D.
2-Chloroethyl vinyl ether	5.0	N.D.
Chloroform	0.5	N.D.
Chloromethane	1.0	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.5	N.D.
1,2-Dichloroethane	0.5	N.D.
1,1-Dichloroethene	0.5	N.D.
Trans 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	1.0	N.D.
cis-1,3-Dichloropropene	1.0	N.D.
trans-1,3-Dichloropropene	1.0	N.D.
Ethylbenzene	0.5	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	1.0	N.D.
Tetrachloroethene	0.5	N.D.
Toluene	0.5	N.D.
1,1,1-Trichloroethane	0.5	N.D.
1,1,2-Trichloroethane	1.0	N.D.
Trichloroethene	0.5	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	1.0	N.D.
Total Xylenes	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Surrogate Recovery	%
alpha, alpha, alpha-trifluorotoluene	*101*
1,4-Dichlorobutane	*83*

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1A-17-1

Laboratory Sample Number: 97040825
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-23-97
Reported: 04-30-97

PCB'S (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
PCB-1016	12674-11-2	20	N.D.
PCB-1221	11104-28-2	20	N.D.
PCB-1232	11141-16-5	20	N.D.
PCB-1242	53469-21-9	20	N.D.
PCB-1248	12672-29-6	20	N.D.
PCB-1254	11097-69-1	20	N.D.
PCB-1260	11096-82-5	20	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1A-17-4

Laboratory Sample Number: 97040826
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-23-97
Reported: 04-30-97

PCB'S (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
PCB-1016	12674-11-2	20	N.D.
PCB-1221	11104-28-2	20	N.D.
PCB-1232	11141-16-5	20	N.D.
PCB-1242	53469-21-9	20	N.D.
PCB-1248	12672-29-6	20	N.D.
PCB-1254	11097-69-1	20	N.D.
PCB-1260	11096-82-5	20	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1A-17-10

Laboratory Sample Number: 97040827
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-23-97
Reported: 04-30-97

PCB'S (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
PCB-1016	12674-11-2	20	N.D.
PCB-1221	11104-28-2	20	N.D.
PCB-1232	11141-16-5	20	N.D.
PCB-1242	53469-21-9	20	N.D.
PCB-1248	12672-29-6	20	N.D.
PCB-1254	11097-69-1	20	N.D.
PCB-1260	11096-82-5	20	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Kennedy Jenks Consultants
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1A-17-20

Laboratory Sample Number: 97040828
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-23-97
Reported: 04-30-97

PCB'S (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
PCB-1016	12674-11-2	20	N.D.
PCB-1221	11104-28-2	20	N.D.
PCB-1232	11141-16-5	20	N.D.
PCB-1242	53469-21-9	20	N.D.
PCB-1248	12672-29-6	20	N.D.
PCB-1254	11097-69-1	20	N.D.
PCB-1260	11096-82-5	20	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1A-17-30

Laboratory Sample Number: 97040829
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-23-97
Reported: 04-30-97

PCB'S (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
PCB-1016	12674-11-2	20	N.D.
PCB-1221	11104-28-2	20	N.D.
PCB-1232	11141-16-5	20	N.D.
PCB-1242	53469-21-9	20	N.D.
PCB-1248	12672-29-6	20	N.D.
PCB-1254	11097-69-1	20	N.D.
PCB-1260	11096-82-5	20	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1A-17-40

Laboratory Sample Number: 97040830
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-23-97
Reported: 04-30-97

PCB'S (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
PCB-1016	12674-11-2	20	N.D.
PCB-1221	11104-28-2	20	N.D.
PCB-1232	11141-16-5	20	N.D.
PCB-1242	53469-21-9	20	N.D.
PCB-1248	12672-29-6	20	N.D.
PCB-1254	11097-69-1	20	N.D.
PCB-1260	11096-82-5	20	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1A-17-50

Laboratory Sample Number: 97040831
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-23-97
Reported: 04-30-97

PCB'S (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
PCB-1016	12674-11-2	20	N.D.
PCB-1221	11104-28-2	20	N.D.
PCB-1232	11141-16-5	20	N.D.
PCB-1242	53469-21-9	20	N.D.
PCB-1248	12672-29-6	20	N.D.
PCB-1254	11097-69-1	20	N.D.
PCB-1260	11096-82-5	20	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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ATTN: Mr. Rus Purcell
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-4-1
Laboratory Sample #: 97040839
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-30-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*	
Acenaphthene	83-32-9	100	N.D.	
Acenaphthylene	208-96-8	100	N.D.	
Aniline	62-53-3	100	N.D.	
Anthracene	120-12-7	100	N.D.	
Benzidine	92-87-5	500	N.D.	
Benzoic Acid	65-85-0	250	N.D.	
Benzo(a)anthracene	56-55-3	100	N.D.	
Benzo(b)fluoranthene	205-99-2	250	N.D.	
Benzo(k)fluoranthene	207-08-9	250	N.D.	
B o(g,h,i)perylene	191-24-2	250	N.D.	
B o(a)pyrene	50-32-8	250	N.D.	
Benzyl alcohol	100-51-6	100	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.	
Bis(2-chloroethyl)ether	111-44-4	100	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	100	790	<---
4-Bromophenyl phenyl ether	101-55-3	100	N.D.	
Butyl benzyl phthalate	85-68-7	100	N.D.	
4-Chloroaniline	106-47-8	100	N.D.	
2-Chloronaphthalene	91-58-7	100	N.D.	
4-Chloro-3-methylphenol	59-50-7	100	N.D.	
2-Chlorophenol	95-57-8	100	N.D.	
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.	
Chrysene	218-0109	100	N.D.	
Dibenz(a,h)anthracene	53-70-3	100	N.D.	
Dibenzofuran	132-64-9	100	N.D.	
Di-n-butyl phthalate	84-74-2	250	N.D.	
1,3-Dichlorobenzene	541-73-1	100	N.D.	
1,4-Dichlorobenzene	106-46-7	100	N.D.	
1,2-Dichlorobenzene	95-50-1	100	N.D.	
3,3'-Dichlorobenzidine	91-94-1	100	N.D.	
2,4-Dichlorophenol	120-83-2	100	N.D.	
Diethyl phthalate	84-66-2	100	N.D.	
2,4-Dimethylphenol	105-67-9	100	N.D.	
Dimethyl phthalate	131-11-3	100	N.D.	
4 Dinitro-2-methylphenol	534-52-1	100	N.D.	
2,4-Dinitrophenol	51-28-5	100	N.D.	

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-1-4-1
Laboratory Sample #: 97040839

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
[illegible]ethylphenol	106-44-5	100	N.D.
[illegible]phthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Mark Noorani

[illegible]k Noorani
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-4-4
Laboratory Sample #: 97040840
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-30-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
zo(g,h,i)perylene	191-24-2	250	N.D.
..ızo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
D'ıethyl phthalate	131-11-3	100	N.D.
-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-1-4-4
Laboratory Sample #: 97040840

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-4-10
Laboratory Sample #: 97040841
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-30-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
zo(g,h,i)perylene	191-24-2	250	N.D.
zo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
ethyl phthalate	131-11-3	100	N.D.
-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-1-4-10
Laboratory Sample #: 97040841

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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nedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-4-20
Laboratory Sample #: 97040842
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-30-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
[illegible]zo(g,h,i)perylene	191-24-2	250	N.D.
[illegible]zo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
D[illegible]ethyl phthalate	131-11-3	100	N.D.
[illegible]-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-1-4-20
Laboratory Sample #: 97040842

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
phthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Laboratory Director

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.. .nedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-4-30
Laboratory Sample #: 97040843
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-30-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
' zo(g,h,i)perylene	191-24-2	250	N.D.
b..zo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
D..ethyl phthalate	131-11-3	100	N.D.
. -Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-1-4-30
Laboratory Sample #: 97040843

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

k Noorani
Laboratory Director

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. .nedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-4-40
Laboratory Sample #: 97040844
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-30-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
zo(g,h,i)perylene	191-24-2	250	N.D.
benzo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
D ethyl phthalate	131-11-3	100	N.D.
-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-1-4-40
Laboratory Sample #: 97040844

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

k Noorani
Laboratory Director

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ATTN: Mr. Rus Purcell
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-30-97

Sample Description: Soil, 2BB-1-4-50
Laboratory Sample #: 97040845
Laboratory Reference #: KJC 8925

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
zo(g,h,i)perylene	191-24-2	250	N.D.
benzo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-1-4-50
Laboratory Sample #: 97040845

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

k Noorani
Laboratory Director

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-5-1
Laboratory Sample #: 97040846
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-30-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
Benzo(g,h,i)perylene	191-24-2	250	N.D.
Benzo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-1-5-1
Laboratory Sample #: 97040846

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-5-4
Laboratory Sample #: 97040847
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-25-97
Reported: 04-30-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*	
Acenaphthene	83-32-9	100	N.D.	
Acenaphthylene	208-96-8	100	N.D.	
Aniline	62-53-3	100	N.D.	
Anthracene	120-12-7	100	160	<---
Benzidine	92-87-5	500	N.D.	
Benzoic Acid	65-85-0	250	N.D.	
Benzo(a)anthracene	56-55-3	100	380	<---
Benzo(b)fluoranthene	205-99-2	250	N.D.	
Benzo(k)fluoranthene	207-08-9	250	N.D.	
Benzo(g,h,i)perylene	191-24-2	250	N.D.	
Benzo(a)pyrene	50-32-8	250	N.D.	
Benzyl alcohol	100-51-6	100	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.	
Bis(2-chloroethyl)ether	111-44-4	100	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.	
4-Bromophenyl phenyl ether	101-55-3	100	N.D.	
Butyl benzyl phthalate	85-68-7	100	N.D.	
4-Chloroaniline	106-47-8	100	N.D.	
2-Chloronaphthalene	91-58-7	100	N.D.	
4-Chloro-3-methylphenol	59-50-7	100	N.D.	
2-Chlorophenol	95-57-8	100	N.D.	
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.	
Chrysene	218-0109	100	440	<---
Dibenz(a,h)anthracene	53-70-3	100	N.D.	
Dibenzofuran	132-64-9	100	N.D.	
Di-n-butyl phthalate	84-74-2	250	N.D.	
1,3-Dichlorobenzene	541-73-1	100	N.D.	
1,4-Dichlorobenzene	106-46-7	100	N.D.	
1,2-Dichlorobenzene	95-50-1	100	N.D.	
3,3'-Dichlorobenzidine	91-94-1	100	N.D.	
2,4-Dichlorophenol	120-83-2	100	N.D.	
Diethyl phthalate	84-66-2	100	N.D.	
2,4-Dimethylphenol	105-67-9	100	N.D.	
Dimethyl phthalate	131-11-3	100	N.D.	
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.	
2,4-Dinitrophenol	51-28-5	100	N.D.	

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-1-5-4
Laboratory Sample #: 97040847

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*	
2,4-Dinitrotoluene	121-14-2	250	N.D.	
2,6-Dinitrotoluene	606-20-2	250	N.D.	
Di-n-octyl phthalate	117-84-0	250	N.D.	
Fluoranthene	206-44-0	100	570	<---
Fluorene	86-73-7	100	N.D.	
Hexachlorobenzene	118-74-1	100	N.D.	
Hexachlorobutadiene	87-68-3	100	N.D.	
Hexachlorocyclopentadiene	77-47-4	100	N.D.	
Hexachloroethane	67-72-1	100	N.D.	
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.	
Isophorone	78-59-1	100	N.D.	
2-Methylnaphthalene	91-57-6	100	N.D.	
2-Methylphenol	95-48-7	100	N.D.	
ethylphenol	106-44-5	100	N.D.	
Naphthalene	91-20-3	100	N.D.	
2-Nitroaniline	88-74-4	250	N.D.	
3-Nitroaniline	99-09-2	250	N.D.	
4-Nitroaniline	100-01-6	250	N.D.	
Nitrobenzene	98-95-3	100	N.D.	
2-Nitrophenol	88-75-5	100	N.D.	
4-Nitrophenol	100-02-7	100	N.D.	
N-Nitrosodiphenylamine	86-30-6	100	N.D.	
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.	
N-Nitrosodimethylamine	62-75-9	100	N.D.	
Pentachlorophenol	87-86-5	250	N.D.	
Phenanthrene	85-01-8	100	550	<---
Phenol	108-95-2	100	N.D.	
Pyrene	129-00-0	100	650	<---
1,2,4-Trichlorobenzene	120-82-1	100	N.D.	
2,4,5-Trichlorophenol	95-95-4	100	N.D.	
2,4,6-Trichlorophenol	88-06-2	100	N.D.	

Analytes reported as N.D. were not present above the stated limit of detection.

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Mark Noorani
Laboratory Director

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. *nedy Jenks Consultants*
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-5-10
Laboratory Sample #: 97040848
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-25-97
Reported: 04-30-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*	
Acenaphthene	83-32-9	100	N.D.	
Acenaphthylene	208-96-8	100	N.D.	
Aniline	62-53-3	100	N.D.	
Anthracene	120-12-7	100	N.D.	
Benzidine	92-87-5	500	N.D.	
Benzoic Acid	65-85-0	250	N.D.	
Benzo(a)anthracene	56-55-3	100	N.D.	
Benzo(b)fluoranthene	205-99-2	250	N.D.	
Benzo(k)fluoranthene	207-08-9	250	N.D.	
r zo(g,h,i)perylene	191-24-2	250	N.D.	
L .zo(a)pyrene	50-32-8	250	N.D.	
Benzyl alcohol	100-51-6	100	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.	
Bis(2-chloroethyl)ether	111-44-4	100	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	100	120	<---
4-Bromophenyl phenyl ether	101-55-3	100	N.D.	
Butyl benzyl phthalate	85-68-7	100	N.D.	
4-Chloroaniline	106-47-8	100	N.D.	
2-Chloronaphthalene	91-58-7	100	N.D.	
4-Chloro-3-methylphenol	59-50-7	100	N.D.	
2-Chlorophenol	95-57-8	100	N.D.	
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.	
Chrysene	218-0109	100	N.D.	
Dibenz(a,h)anthracene	53-70-3	100	N.D.	
Dibenzofuran	132-64-9	100	N.D.	
Di-n-butyl phthalate	84-74-2	250	N.D.	
1,3-Dichlorobenzene	541-73-1	100	N.D.	
1,4-Dichlorobenzene	106-46-7	100	N.D.	
1,2-Dichlorobenzene	95-50-1	100	N.D.	
3,3'-Dichlorobenzidine	91-94-1	100	N.D.	
2,4-Dichlorophenol	120-83-2	100	N.D.	
Diethyl phthalate	84-66-2	100	N.D.	
2,4-Dimethylphenol	105-67-9	100	N.D.	
Dimethyl phthalate	131-11-3	100	N.D.	
. -Dinitro-2-methylphenol	534-52-1	100	N.D.	
2,4-Dinitrophenol	51-28-5	100	N.D.	

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-1-5-10
Laboratory Sample #: 97040848

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
[illegible]ethylphenol	106-44-5	100	N.D.
[illegible]hthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

[illegible] Noorani
Laboratory Director

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ATTN: Mr. Rus Purcell
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-5-20
Laboratory Sample #: 97040849
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-30-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
zo(g,h,i)perylene	191-24-2	250	N.D.
Benzo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
D ethyl phthalate	131-11-3	100	N.D.
-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-1-5-20
Laboratory Sample #: 97040849

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

M K Noorani
Laboratory Director

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ATTN: Mr. Rus Purcell
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-5-30
Laboratory Sample #: 97040850
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-30-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
' zo(g,h,i)perylene	191-24-2	250	N.D.
b..zo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
D' 'ethyl phthalate	131-11-3	100	N.D.
' -Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-1-5-30
Laboratory Sample #: 97040850

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2 Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-5-40
Laboratory Sample #: 97040851
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-30-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
Benzo(g,h,i)perylene	191-24-2	250	N.D.
Benzo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-1-5-40
Laboratory Sample #: 97040851

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
'ethylphenol	106-44-5	100	N.D.
ɔhthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani

k Noorani
Laboratory Director

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. .nedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-5-50
Laboratory Sample #: 97040852
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-25-97
Reported: 04-30-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
' zo(g,h,i)perylene	191-24-2	250	N.D.
E .izo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
D'methyl phthalate	131-11-3	100	N.D.
-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-1-5-50
Laboratory Sample #: 97040852

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

k Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-6-1
Laboratory Sample #: 97040853
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-25-97
Reported: 04-30-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*	
Acenaphthene	83-32-9	100	N.D.	
Acenaphthylene	208-96-8	100	N.D.	
Aniline	62-53-3	100	N.D.	
Anthracene	120-12-7	100	N.D.	
Benzidine	92-87-5	500	N.D.	
Benzoic Acid	65-85-0	250	N.D.	
Benzo(a)anthracene	56-55-3	100	N.D.	
Benzo(b)fluoranthene	205-99-2	250	N.D.	
Benzo(k)fluoranthene	207-08-9	250	N.D.	
Benzo(g,h,i)perylene	191-24-2	250	N.D.	
Benzo(a)pyrene	50-32-8	250	N.D.	
Benzyl alcohol	100-51-6	100	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.	
Bis(2-chloroethyl)ether	111-44-4	100	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	100	310	<---
4-Bromophenyl phenyl ether	101-55-3	100	N.D.	
Butyl benzyl phthalate	85-68-7	100	N.D.	
4-Chloroaniline	106-47-8	100	N.D.	
2-Chloronaphthalene	91-58-7	100	N.D.	
4-Chloro-3-methylphenol	59-50-7	100	N.D.	
2-Chlorophenol	95-57-8	100	N.D.	
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.	
Chrysene	218-0109	100	N.D.	
Dibenz(a,h)anthracene	53-70-3	100	N.D.	
Dibenzofuran	132-64-9	100	N.D.	
Di-n-butyl phthalate	84-74-2	250	N.D.	
1,3-Dichlorobenzene	541-73-1	100	N.D.	
1,4-Dichlorobenzene	106-46-7	100	N.D.	
1,2-Dichlorobenzene	95-50-1	100	N.D.	
3,3'-Dichlorobenzidine	91-94-1	100	N.D.	
2,4-Dichlorophenol	120-83-2	100	N.D.	
Diethyl phthalate	84-66-2	100	N.D.	
2,4-Dimethylphenol	105-67-9	100	N.D.	
Dimethyl phthalate	131-11-3	100	N.D.	
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.	
2,4-Dinitrophenol	51-28-5	100	N.D.	

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-1-6-1
Laboratory Sample #: 97040853

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
phthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

k Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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. nedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-6-4
Laboratory Sample #: 97040854
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-25-97
Reported: 04-30-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
F zo(g,h,i)perylene	191-24-2	250	N.D.
L zo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4 -Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-1-6-4
Laboratory Sample #: 97040854

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
phthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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k Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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. nedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-6-10
Laboratory Sample #: 97040855
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-30-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
F zo(g,h,i)perylene	191-24-2	250	N.D.
L .zo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4 -Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-1-6-10
Laboratory Sample #: 97040855

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
[illegible]ethylphenol	106-44-5	100	N.D.
N[illegible]phthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

[illegible] Noorani
Laboratory Director

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nedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-6-20
Laboratory Sample #: 97040856
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-30-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
zo(g,h,i)perylene	191-24-2	250	N.D.
zo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
methyl phthalate	131-11-3	100	N.D.
-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-1-6-20
Laboratory Sample #: 97040856

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
phthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani

k Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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. nedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-6-30
Laboratory Sample #: 97040857
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-30-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*	
Acenaphthene	83-32-9	100	N.D.	
Acenaphthylene	208-96-8	100	N.D.	
Aniline	62-53-3	100	N.D.	
Anthracene	120-12-7	100	N.D.	
Benzidine	92-87-5	500	N.D.	
Benzoic Acid	65-85-0	250	N.D.	
Benzo(a)anthracene	56-55-3	100	N.D.	
Benzo(b)fluoranthene	205-99-2	250	N.D.	
Benzo(k)fluoranthene	207-08-9	250	N.D.	
' zo(g,h,i)perylene	191-24-2	250	N.D.	
L .zo(a)pyrene	50-32-8	250	N.D.	
Benzyl alcohol	100-51-6	100	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.	
Bis(2-chloroethyl)ether	111-44-4	100	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	100	200	<---
4-Bromophenyl phenyl ether	101-55-3	100	N.D.	
Butyl benzyl phthalate	85-68-7	100	N.D.	
4-Chloroaniline	106-47-8	100	N.D.	
2-Chloronaphthalene	91-58-7	100	N.D.	
4-Chloro-3-methylphenol	59-50-7	100	N.D.	
2-Chlorophenol	95-57-8	100	N.D.	
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.	
Chrysene	218-0109	100	N.D.	
Dibenz(a,h)anthracene	53-70-3	100	N.D.	
Dibenzofuran	132-64-9	100	N.D.	
Di-n-butyl phthalate	84-74-2	250	N.D.	
1,3-Dichlorobenzene	541-73-1	100	N.D.	
1,4-Dichlorobenzene	106-46-7	100	N.D.	
1,2-Dichlorobenzene	95-50-1	100	N.D.	
3,3'-Dichlorobenzidine	91-94-1	100	N.D.	
2,4-Dichlorophenol	120-83-2	100	N.D.	
Diethyl phthalate	84-66-2	100	N.D.	
2,4-Dimethylphenol	105-67-9	100	N.D.	
D'ethyl phthalate	131-11-3	100	N.D.	
-Dinitro-2-methylphenol	534-52-1	100	N.D.	
2,4-Dinitrophenol	51-28-5	100	N.D.	

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-1-6-30
Laboratory Sample #: 97040857

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
[illegible]ethylphenol	106-44-5	100	N.D.
[illegible]phthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

[illegible] Noorani
Laboratory Director

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.nedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-6-40
Laboratory Sample #: 97040858
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-30-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
zo(g,h,i)perylene	191-24-2	250	N.D.
.zo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-1-6-40
Laboratory Sample #: 97040858

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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nnedy Jenks Consultants
ATTN: Mr. Rus Purcell
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-6-50
Laboratory Sample #: 97040859
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-30-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
zo(g,h,i)perylene	191-24-2	250	N.D.
nzo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
D ethyl phthalate	131-11-3	100	N.D.
-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-1-6-50
Laboratory Sample #: 97040859

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Mark Noorani

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1A-17-1

Laboratory Sample Number: 97040825
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	140	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	22	<---
Cobalt	6010	80	8000	0.5	7.3	<---
Copper	6010	25	2500	0.1	9.5	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	14	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	28	<---
Zinc	6010	250	5000	0.1	34	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1A-17-4

Laboratory Sample Number: 97040826
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	100	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	29	<---
Cobalt	6010	80	8000	0.5	10	<---
Copper	6010	25	2500	0.1	18	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	15	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	33	<---
Zinc	6010	250	5000	0.1	48	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1A-17-10

Laboratory Sample Number: 97040827
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	93	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	23	<---
Cobalt	6010	80	8000	0.5	8.2	<---
Copper	6010	25	2500	0.1	16	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	12	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	30	<---
Zinc	6010	250	5000	0.1	42	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1A-17-20

Laboratory Sample Number: 97040828
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	110	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	26	<---
Cobalt	6010	80	8000	0.5	9.3	<---
Copper	6010	25	2500	0.1	20	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	14	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	35	<---
Zinc	6010	250	5000	0.1	48	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1A-17-30

Laboratory Sample Number: 97040829
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	45	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	15	<---
Cobalt	6010	80	8000	0.5	3.3	<---
Copper	6010	25	2500	0.1	6.7	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	8.5	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	19	<---
Zinc	6010	250	5000	0.1	22	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1A-17-40

Laboratory Sample Number: 97040830
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	21	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	13	<---
obalt	6010	80	8000	0.5	2.9	<---
Copper	6010	25	2500	0.1	2.1	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	5.7	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	15	<---
Zinc	6010	250	5000	0.1	18	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1A-17-50

Laboratory Sample Number: 97040831
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	16	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium Total	6010	560	2500	0.05	8.0	<---
Cobalt	6010	80	8000	0.5	1.8	<---
opper	6010	25	2500	0.1	1.4	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	4.0	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	10	<---
Zinc	6010	250	5000	0.1	12	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director

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Kennedy Jenks Consultants
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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-5-20-1

Laboratory Sample Number: 97040832
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	170	<---
Barium	6010	100	10000	0.1	61	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	6.7	<---
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	18	<---
Cobalt	6010	80	8000	0.5	8.0	<---
Copper	6010	25	2500	0.1	15	<---
Lead	6010	5.0	1000	1.0	2.8	<---
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	21	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	29	<---
Zinc	6010	250	5000	0.1	36	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-5-20-4

Laboratory Sample Number: 97040833
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	140	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	29	<---
Cobalt	6010	80	8000	0.5	8.0	<---
Copper	6010	25	2500	0.1	14	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	13	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	38	<---
Zinc	6010	250	5000	0.1	47	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-5-20-10

Laboratory Sample Number: 97040834
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	150	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	26	<---
Cobalt	6010	80	8000	0.5	8.7	<---
Copper	6010	25	2500	0.1	16	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	14	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	30	<---
Zinc	6010	250	5000	0.1	45	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-5-20-20

Laboratory Sample Number: 97040835
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	130	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	29	<---
Cobalt	6010	80	8000	0.5	8.3	<---
Copper	6010	25	2500	0.1	16	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	14	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	36	<---
Zinc	6010	250	5000	0.1	56	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-5-20-30

Laboratory Sample Number: 97040836
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	56	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	15	<---
Cobalt	6010	80	8000	0.5	3.9	<---
Copper	6010	25	2500	0.1	7.8	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	7.4	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	17	<---
Zinc	6010	250	5000	0.1	27	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-5-20-40

Laboratory Sample Number: 97040837
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	70	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium Total	6010	560	2500	0.05	6.0	<---
Cobalt	6010	80	8000	0.5	3.5	<---
'opper	6010	25	2500	0.1	5.0	<---
.ead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	4.9	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	12	<---
Zinc	6010	250	5000	0.1	10	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-5-20-50

Laboratory Sample Number: 97040838
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	110	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	59	<---
`obalt	6010	80	8000	0.5	6.5	<---
.opper	6010	25	2500	0.1	29	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	15	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	58	<---
Zinc	6010	250	5000	0.1	56	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-4-1

Laboratory Sample Number: 97040839
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	81	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	21	<---
obalt	6010	80	8000	0.5	6.3	<---
Copper	6010	25	2500	0.1	9.7	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	7.5	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	26	<---
Zinc	6010	250	5000	0.1	26	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-4-4

Laboratory Sample Number: 97040840
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	110	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	24	<---
ɔbalt	6010	80	8000	0.5	8.1	<---
ɔopper	6010	25	2500	0.1	11	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	10	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	27	<---
Zinc	6010	250	5000	0.1	32	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-4-10

Laboratory Sample Number: 97040841
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	82	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	21	<---
Cobalt	6010	80	8000	0.5	6.3	<---
Copper	6010	25	2500	0.1	8.2	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	9.2	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	23	<---
Zinc	6010	250	5000	0.1	37	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-4-20

Laboratory Sample Number: 97040842
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	89	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	16	<---
Cobalt	6010	80	8000	0.5	6.5	<---
Copper	6010	25	2500	0.1	12	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	9.0	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	21	<---
Zinc	6010	250	5000	0.1	35	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-4-30

Laboratory Sample Number: 97040843
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	110	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	32	<---
Cobalt	6010	80	8000	0.5	8.9	<---
Copper	6010	25	2500	0.1	22	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	17	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	35	<---
Zinc	6010	250	5000	0.1	58	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-4-40

Laboratory Sample Number: 97040844
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	91	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	18	<---
ɔbalt	6010	80	8000	0.5	7.1	<---
ɔopper	6010	25	2500	0.1	12	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	9.7	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	21	<---
Zinc	6010	250	5000	0.1	38	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-4-50

Laboratory Sample Number: 97040845
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	31	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	12	<---
Cobalt	6010	80	8000	0.5	3.4	<---
Copper	6010	25	2500	0.1	6.9	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	5.9	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	12	<---
Zinc	6010	250	5000	0.1	21	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-5-1

Laboratory Sample Number: 97040846
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	73	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	18	<---
Cobalt	6010	80	8000	0.5	8.0	<---
Copper	6010	25	2500	0.1	7.9	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	7.5	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	25	<---
Zinc	6010	250	5000	0.1	23	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-5-4

Laboratory Sample Number: 97040847
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	14	<---
Barium	6010	100	10000	0.1	86	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	25	<---
Cobalt	6010	80	8000	0.5	6.1	<---
Copper	6010	25	2500	0.1	10	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	13	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	27	<---
Zinc	6010	250	5000	0.1	37	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-5-10

Laboratory Sample Number: 97040848
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	94	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	26	<---
obalt	6010	80	8000	0.5	8.4	<---
Copper	6010	25	2500	0.1	15	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	13	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	31	<---
Zinc	6010	250	5000	0.1	47	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-5-20

Laboratory Sample Number: 97040849
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	140	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	29	<---
›balt	6010	80	8000	0.5	10	<---
‹opper	6010	25	2500	0.1	19	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	15	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	35	<---
Zinc	6010	250	5000	0.1	61	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-5-30

Laboratory Sample Number: 97040850
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	140	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	29	<---
'obalt	6010	80	8000	0.5	8.7	<---
⌐opper	6010	25	2500	0.1	24	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	15	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	34	<---
Zinc	6010	250	5000	0.1	24	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-5-40

Laboratory Sample Number: 97040851
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	120	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	32	<---
Cobalt	6010	80	8000	0.5	9.4	<---
Copper	6010	25	2500	0.1	22	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	17	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	37	<---
Zinc	6010	250	5000	0.1	61	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-5-50

Laboratory Sample Number: 97040852
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-22-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	59	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	23	<---
Cobalt	6010	80	8000	0.5	5.1	<---
Copper	6010	25	2500	0.1	10	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	10	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	22	<---
Zinc	6010	250	5000	0.1	35	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-6-1

Laboratory Sample Number: 97040853
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-22-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	86	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	19	<---
Cobalt	6010	80	8000	0.5	7.1	<---
Copper	6010	25	2500	0.1	11	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	7.4	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	27	<---
Zinc	6010	250	5000	0.1	23	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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ORANGE COAST ANALYTICAL, INC.
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.ennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-6-4

Laboratory Sample Number: 97040854
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-22-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	68	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	18	<---
'obalt	6010	80	8000	0.5	7.4	<---
.opper	6010	25	2500	0.1	14	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	6.6	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	24	<---
Zinc	6010	250	5000	0.1	25	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-6-10

Laboratory Sample Number: 97040855
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-22-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	120	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	28	<---
Cobalt	6010	80	8000	0.5	10	<---
Copper	6010	25	2500	0.1	15	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	12	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	31	<---
Zinc	6010	250	5000	0.1	47	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-6-20

Laboratory Sample Number: 97040856
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-22-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	130	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	37	<---
Cobalt	6010	80	8000	0.5	9.4	<---
Copper	6010	25	2500	0.1	23	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	15	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	43	<---
Zinc	6010	250	5000	0.1	68	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-6-30

Laboratory Sample Number: 97040857
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-22-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	130	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	24	<---
Cobalt	6010	80	8000	0.5	6.6	<---
Copper	6010	25	2500	0.1	17	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	13	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	28	<---
Zinc	6010	250	5000	0.1	44	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-6-40

Laboratory Sample Number: 97040858
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-22-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	120	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	31	<---
?obalt	6010	80	8000	0.5	7.0	<---
.opper	6010	25	2500	0.1	20	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	15	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	32	<---
Zinc	6010	250	5000	0.1	55	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-6-50

Laboratory Sample Number: 97040859
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-22-97
Reported: 04-30-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	41	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	18	<---
Cobalt	6010	80	8000	0.5	3.6	<---
Copper	6010	25	2500	0.1	8.5	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	6.8	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	18	<---
Zinc	6010	250	5000	0.1	28	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 04/21/97
Laboratory Sample No : 97040833
Laboratory Reference No :KJC 8925

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	30.00	28.00	28.00	93	93	0
Arsenic	0.00	10.00	10.80	10.80	108	108	0
Barium	14.00	10.00	24.00	25.00	100	110	4
Beryllium	0.00	1.00	1.10	1.14	110	114	4
Cadmium	0.00	1.00	0.92	0.94	92	94	2
Chromium (Total)	2.90	5.00	7.70	7.90	96	100	3
Chromium (VI)	0.00	1.00	0.88	0.91	88	91	3
Cobalt	0.80	1.00	1.88	1.87	108	107	1
Copper	1.40	1.00	2.30	2.45	90	105	6
Lead	0.00	10.00	9.00	9.60	90	96	6
Mercury	0.000	0.020	0.024	0.023	120	115	4
Molybdenum	0.00	10.00	10.40	9.80	104	98	6
Nickel	1.30	5.00	6.40	5.90	102	92	8
Selenium	0.00	10.00	9.30	9.90	93	99	6
Silver	0.00	5.00	5.00	4.50	100	90	11
Thallium	0.00	30.00	28.00	27.00	93	90	4
Vanadium	3.80	5.00	8.90	8.80	102	100	1
Zinc	4.70	5.00	9.80	9.50	102	96	3

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 04/21/97
Laboratory Sample No : 97040848
Laboratory Reference No :KJC 8925

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	30.00	26.00	26.00	87	87	0
Arsenic	0.00	10.00	10.00	10.60	100	106	6
Barium	9.40	10.00	17.50	17.60	81	82	1
Beryllium	0.00	1.00	1.08	1.04	108	104	4
Cadmium	0.00	1.00	0.94	0.96	94	96	2
Chromium (Total)	2.60	5.00	7.50	7.70	98	102	3
Chromium (VI)	0.00	1.00	0.98	0.91	98	91	7
Cobalt	0.84	1.00	1.79	1.72	95	88	4
Copper	1.50	1.00	2.35	2.30	85	80	2
Lead	0.00	10.00	9.10	9.20	91	92	1
Mercury	0.000	0.020	0.017	0.018	85	90	6
Molybdenum	0.00	10.00	9.40	9.30	94	93	1
Nickel	1.30	5.00	5.50	5.60	84	86	2
Selenium	0.00	10.00	9.10	9.10	91	91	0
Silver	0.00	5.00	4.00	3.90	80	78	3
Thallium	0.00	30.00	27.00	28.00	90	93	4
Vanadium	3.10	5.00	7.50	7.70	88	92	3
Zinc	4.70	5.00	9.10	9.50	88	96	4

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 04/22/97
Laboratory Sample No : 97040866
Laboratory Reference No :KJC 8925

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	30.00	32.00	30.00	107	100	6
Arsenic	0.00	10.00	9.30	10.70	93	107	14
Barium	10.00	10.00	18.50	18.10	85	81	2
Beryllium	0.00	1.00	0.98	0.85	98	85	14
Cadmium	0.00	1.00	0.98	0.99	98	99	1
Chromium (Total)	2.00	5.00	6.60	6.20	92	84	6
Chromium (VI)	0.00	1.00	0.82	0.96	82	96	16
Cobalt	0.80	1.00	1.60	1.60	80	80	0
Copper	1.30	1.00	2.20	2.10	90	80	5
ead	0.00	10.00	11.60	11.20	116	112	4
lercury	0.000	0.020	0.022	0.021	110	105	5
Molybdenum	0.00	10.00	11.00	11.10	110	111	1
Nickel	1.00	5.00	5.10	4.80	82	76	6
Selenium	0.00	10.00	10.30	9.50	103	95	8
Silver	0.00	5.00	4.00	4.00	80	80	0
Thallium	0.00	30.00	32.00	30.00	107	100	6
Vanadium	2.40	5.00	7.00	7.20	92	96	3
Zinc	3.90	5.00	8.30	8.50	88	92	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 04/24/97
Laboratory Sample No : 97040783
Laboratory Reference No : KJC 8925

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	43	45	86	90	5
n-Nitroso-di-n-propylamine	0.0	50	48	49	96	98	2
1,2,4-Trichlorobenzene	0.0	50	42	44	84	88	5
Acenaphthene	0.0	50	46	47	92	94	2
Pyrene	0.0	50	30	32	60	64	6
entachlorophenol	0.0	100	70	78	70	78	11
4-Chloro-3-Methylphenol	0.0	100	65	68	65	68	5
2-Chlorophenol	0.0	100	75	79	75	79	5
Phenol	0.0	100	65	69	65	69	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 04/24/97
Laboratory Sample No : 97040845
Laboratory Reference No : KJC 8925

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	39	40	78	80	3
n-Nitroso-di-n-propylamine	0.0	50	23	24	46	48	4
1,2,4-Trichlorobenzene	0.0	50	38	39	76	78	3
Acenaphthene	0.0	50	40	42	80	84	5
Pyrene	0.0	50	35	38	70	76	8
Pentachlorophenol	0.0	100	56	59	56	59	5
4-Chloro-3-Methylphenol	0.0	100	52	54	52	54	4
2-Chlorophenol	0.0	100	72	74	72	74	3
Phenol	0.0	100	60	63	60	63	5

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 04/25/97
Laboratory Sample No : 97040857
Laboratory Reference No : KJC 8925

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	45	46	90	92	2
n-Nitroso-di-n-propylamine	0.0	50	50	51	100	102	2
1,2,4-Trichlorobenzene	0.0	50	45	46	90	92	2
Acenaphthene	0.0	50	49	48	98	96	2
Pyrene	0.0	50	45	45	90	90	0
'entachlorophenol	0.0	100	80	81	80	81	1
4-Chloro-3-Methylphenol	0.0	100	72	70	72	70	3
2-Chlorophenol	0.0	100	86	86	86	86	0
Phenol	0.0	100	77	72	77	72	7

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

)RANGE COAST ANALYTICAL

MARK NOORANI
Laboratory Director

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

QC DATA REPORT

Analysis : Volatile Organic Compounds (EPA 8010/8020)

Date of Analysis : 04/24/97
Laboratory Sample No : 97040826
Laboratory Reference No : KJC 8925

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	40	38	39	95	98	3
1,1-Dichloroethane	0.0	20	19	20	95	100	5
Trichloroethene	0.0	20	19	19	95	95	0
Tetrachloroethene	0.0	20	19	19	95	95	0
Toluene	0.0	40	39	40	98	100	3

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organic Compounds (EPA 8010/8020)

Date of Analysis : 04/23/97
Laboratory Sample No : 97040716
Laboratory Reference No : KJC 8925

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	10.0	9.6	9.9	96	99	3
1,1-Dichloroethane	0.0	5.0	4.9	4.7	98	94	4
Trichloroethene	0.0	5.0	5.0	4.8	100	96	4
Tetrachloroethene	0.0	5.0	5.1	4.8	102	96	6
Toluene	0.0	10.0	9.7	10.0	97	100	3

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 04/25/97
Laboratory Sample No : 97040851
Laboratory Reference No : KJC 8925

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	45	47	90	94	4
1,1-Dichloroethene	53	50	110	99	114	92	11
Trichloroethene	6.5	50	62	65	111	117	5
Toluene	0.0	50	48	49	54	98	2
Chlorobenzene	0.0	50	47	47	51	94	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 04/23/97
Laboratory Sample No : 97040967
Laboratory Reference No : KJC 8925

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	140	150	56	60	7

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 04/21/97
Laboratory Sample No : 97040921
Laboratory Reference No : KJC 8925

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	82	91	82	91	10

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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Analysis Request and Chain of Custody Record

Lab Job No: ____
Page 1 of 3

REQUIRED TAT: ____

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

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Metals	PCBs (8080)							REMARKS/PRECAUTIONS
2BB-1A-17-1	1	4/17/97	0825	Soil	Stainless Steel		X	X							
2BB-1A-17-4	1		0830				X	X							
2BB-1A-17-10	1		0835				X	X							
2BB-1A-17-20	1		0845				X	X							
2BB-1A-17-30	1		0850				X	X							
2BB-1A-17-40	1		0855				X	X							
2BB-1A-17-50	1		0900				X	X							
2BB-5-20-1	1		1015				X								
2BB-5-20-4	1		1020				X								
2BB-5-20-10	1		1025				X								
2BB-5-20-20	1		1030				X								
2BB-5-20-30	1		1045				X								
2BB-5-20-40	1		1055		Brass		X								
2BB-5-20-50	1		1100		Brass		X								

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

Relinquished By:	Date/Time:	Received By:	Date/Time:	Reporting Format: (check)
Dale M. Sch	4/17/97 1640			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)
		[illegible]	4/17/97 16:40	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-C6-0106672

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 3

REQUIRED TAT: ____

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

ANALYSIS/METHOD REQUEST: Metals, CC+6, 8270

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Metals	CC+6	8270						REMARKS/PRECAUTIONS
✓2BB-1-4-1	1	4/17/97	1230	Soil	Stainless Steel		X	X	X						
✓2BB-1-4-4	1		1235		SS		X	X	X						
✓2BB-1-4-10	1		1240		Brass		X	X	X						
✓2BB-1-4-20	1		1245		S.S.		X	X	X						
✓2BB-1-4-30	1		1255		Brass		X	X	X						
✓2BB-1-4-40	1		1300		Brass		X	X	X						
✓2BB-1-4-50	1		1310		Brass		X	X	X						
✓2BB-1-5-1	1		1355		Brass		X	X	X						
✓2BB-1-5-4	1		1400		Brass		X	X	X						
✓2BB-1-5-10	1		1405		Brass		X	X	X						
✓2BB-1-5-20	1		1410		Brass		X	X	X						
✓2BB-1-5-30	1		1420		Brass		X	X	X						
✓2BB-1-5-40	1		1430		Brass		X	X	X						
✓2BB-1-5-50	1		1440		Brass		X	X	X						

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Dalen M. Sy	4/17/97 1640		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	4/17/97 16:40

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.

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Analysis Request and Chain of Custody Record

Lab Job No: ____
Page 3 of 3

REQUIRED TAT: ____

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

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Metals	Cr6	8270	8010/8020					REMARKS/PRECAUTIONS
2BB-1-6-1	1	4/17/97	1520	Soil	Brass		X	X	X						
2BB-1-6-4	1		1525				X	X	X						
2BB-1-6-10	1		1530				X	X	X						
2BB-1-6-20	1		1535				X	X	X						
2BB-1-6-30	1		1545				X	X	X						
2BB-1-6-40	1		1550				X	X	X						
2BB-1-6-50	1		1600				X	X	X						
TB-151	1		—	Water	VOA					X					
TB-152	1		—		VOA					X					
EB-1	2		1635		VOA					X					

Total No. of Samples:		Method of Shipment:	
Relinquished By: Dale M. Sch	Date/Time: 4/17/97 1640	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: for [illegible]	Date/Time: 4/17/97 16:40

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-C6-0106674

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Analysis Request and Chain of Custody Record

Lab Job No: ____
Page 1 of ____

REQUIRED TAT: Normal

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Kennedy / Jenks	PROJECT NAME:	Douglas Aircraft
SEND REPORT TO:	Rus Purcell	NUMBER:	974002.00
ADDRESS:	2151 Michelson Dr., Ste 100 Irvine, CA 92612	LOCATION:	Torrance C-6 Facility
		ADDRESS:	
PHONE:	714-261-1577 FAX: 261-2134	SAMPLED BY:	J. Knight / B. Schnee

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	418.1	8010/8020	8260	REMARKS/PRECAUTIONS
2BB-1A-17-50							X			
2BB-5-20-40							X			
2BB-1-5-4							X			
2BB-6-13-20							X			10% ND QA/QC
2BB-1A-17-4								X		Samples in Lab
2BB-6-10-20								X		
2BB-5-20-20								X		
2BB-1-5-1								X		
2BB-1-5-40									X	
2BB-1-6-30									X	>200 total VOCs QA/QC
2BB-1-6-40									X	Samples in Lab
2BB-1-6-50									X	

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jay Knight	4-18-97 1640		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		Sue Wam	4/18/97 16:40

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-C6-0106675

#22

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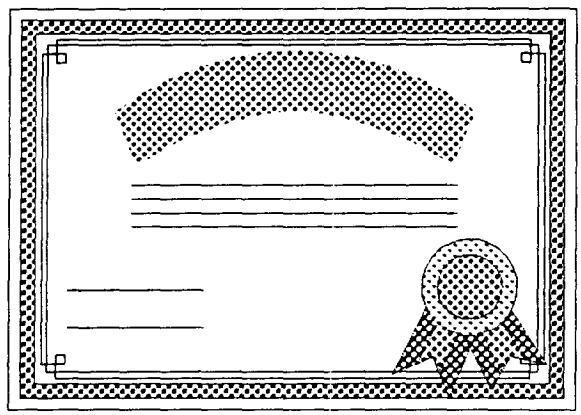

ORANGE COAST ANALYTICAL THANKS YOU FOR YOUR BUSINESS

THE FOLLOWING PAGES ARE THE ANALYSIS REPORT

ON THE SAMPLES YOU REQUESTED.

IF YOU HAVE ANY QUESTIONS REGARDING THIS REPORT

PLEASE FEEL FREE TO CONTACT US.

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.ennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-21-97
Reported: 04-28-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/kg)*
97040798	2BB-4-6-10	8.5
Detection Limit:		8.0

Analyte reported as N.D. was not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Laboratory Director

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil

Laboratory Reference #: KJC 8918

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-17-97
Reported: 04-28-97

pH (EPA 9045)

Laboratory Sample Number	*Client Sample Number*	*Sample Result*
97040775	2BB-1-18-1	7.6
97040776	2BB-1-18-4	7.8
97040777	2BB-1-18-10	7.9
97040778	2BB-1-18-15	7.8
97040779	2BB-1-18-20	7.4
97040780	2BB-1-18-25	7.5

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-18-1
Laboratory Sample #: 97040775
Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-22-97
Reported: 04-28-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010/8020)

ANALYTE	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Benzene	5.0	N.D.
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chlorodibromomethane	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethyl vinyl ether	25	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Trans 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	20	N.D.
Ethylbenzene	5.0	N.D.
Methylene chloride	25	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
Toluene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	10	N.D.
Total Xylenes	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Surrogate Recovery	*%*
alpha, alpha, alpha-trifluorotoluene	*97*
1,4-Dichlorobutane	*79*

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-3-1
Laboratory Sample #: 97040787
Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-22-97
Reported: 04-28-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010/8020)

ANALYTE	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Benzene	5.0	N.D.
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chlorodibromomethane	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethyl vinyl ether	25	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Trans 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	20	N.D.
Ethylbenzene	5.0	N.D.
Methylene chloride	25	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
Toluene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	10	N.D.
Total Xylenes	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Surrogate Recovery	*%*
alpha, alpha, alpha-trifluorotoluene	*98*
1,4-Dichlorobutane	*78*

ORANGE COAST ANALYTICAL

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-6-8-1
Laboratory Sample #: 97040799
Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-22-97
Reported: 04-28-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010/8020)

ANALYTE	*DETECTION LIMIT* ug/kg	*SAMPLE RESULTS* ug/kg
Benzene	5.0	N.D.
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chlorodibromomethane	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethyl vinyl ether	25	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Trans 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	20	N.D.
Ethylbenzene	5.0	N.D.
Methylene chloride	25	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
Toluene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	10	N.D.
Total Xylenes	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Surrogate Recovery	%
alpha, alpha, alpha-trifluorotoluene	*100*
1,4-Dichlorobutane	*81*

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Water, EB-041697
Laboratory Sample #: 97040805
Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-23-97
Reported: 04-28-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010/8020)

ANALYTE	*DETECTION LIMIT* ug/l	*SAMPLE RESULTS* ug/l
Benzene	0.5	N.D.
Bromodichloromethane	0.5	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chlorodibromomethane	0.5	N.D.
Chloroethane	1.0	N.D.
2-Chloroethyl vinyl ether	5.0	N.D.
Chloroform	0.5	N.D.
Chloromethane	1.0	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.5	N.D.
1,2-Dichloroethane	0.5	N.D.
1,1-Dichloroethene	0.5	N.D.
Trans 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	1.0	N.D.
cis-1,3-Dichloropropene	1.0	N.D.
trans-1,3-Dichloropropene	1.0	N.D.
Ethylbenzene	0.5	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	1.0	N.D.
Tetrachloroethene	0.5	N.D.
Toluene	0.5	N.D.
1,1,1-Trichloroethane	0.5	N.D.
1,1,2-Trichloroethane	1.0	N.D.
Trichloroethene	0.5	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	1.0	N.D.
Total Xylenes	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Surrogate Recovery	%
alpha, alpha, alpha-trifluorotoluene	*101*
1,4-Dichlorobutane	*81*

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A nedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-1-1
Laboratory Sample #: 97040781
Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-24-97
Reported: 04-28-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
[illegible]zo(g,h,i)perylene	191-24-2	250	N.D.
Benzo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
[illegible]ethyl phthalate	131-11-3	100	N.D.
[illegible]-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-4-1-1
Laboratory Sample #: 97040781

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
phthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani

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Laboratory Director

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.nedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-1-4
Laboratory Sample #: 97040782
Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-24-97
Reported: 04-28-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
zo(g,h,i)perylene	191-24-2	250	N.D.
zo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-4-1-4
Laboratory Sample #: 97040782

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
[illegible]ethylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

[illegible] K Noorani
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K. .nedy Jenks Consultants
ATTN: Mr. Rus Purcell
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-1-10
Laboratory Sample #: 97040783
Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-24-97
Reported: 04-28-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
B^nzo(k)fluoranthene	207-08-9	250	N.D.
l :o(g,h,i)perylene	191-24-2	250	N.D.
Benzo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
D ethyl phthalate	131-11-3	100	N.D.
4, -Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-4-1-10
Laboratory Sample #: 97040783

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2 Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Kennedy Jenks Consultants
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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-2-1
Laboratory Sample #: 97040784
Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-24-97
Reported: 04-28-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
zo(g,h,i)perylene	191-24-2	250	N.D.
Benzo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
D ethyl phthalate	131-11-3	100	N.D.
4, -Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-4-2-1
Laboratory Sample #: 97040784

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
^ Methylphenol	95-48-7	100	N.D.
.ethylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-2-4
Laboratory Sample #: 97040785
Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-24-97
Reported: 04-28-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
Benzo(g,h,i)perylene	191-24-2	250	N.D.
Benzo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-4-2-4
Laboratory Sample #: 97040785

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
[illegible]thylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

M. Noorani
Laboratory Director

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nedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-2-10
Laboratory Sample #: 97040786
Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-23-97
Reported: 04-28-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
[illegible]zo(g,h,i)perylene	191-24-2	250	N.D.
[illegible]zo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
D[illegible]methyl phthalate	131-11-3	100	N.D.
[illegible]-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-4-2-10
Laboratory Sample #: 97040786

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
4-Methylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-3-1
Laboratory Sample #: 97040787
Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-23-97
Reported: 04-28-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
Benzo(g,h,i)perylene	191-24-2	250	N.D.
Benzo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-4-3-1
Laboratory Sample #: 97040787

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*	
2,4-Dinitrotoluene	121-14-2	250	N.D.	
2,6-Dinitrotoluene	606-20-2	250	N.D.	
Di-n-octyl phthalate	117-84-0	250	N.D.	
Fluoranthene	206-44-0	100	N.D.	
Fluorene	86-73-7	100	N.D.	
Hexachlorobenzene	118-74-1	100	N.D.	
Hexachlorobutadiene	87-68-3	100	N.D.	
Hexachlorocyclopentadiene	77-47-4	100	N.D.	
Hexachloroethane	67-72-1	100	N.D.	
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.	
Isophorone	78-59-1	100	N.D.	
2-Methylnaphthalene	91-57-6	100	N.D.	
2-Methylphenol	95-48-7	100	N.D.	
[illegible]ethylphenol	106-44-5	100	N.D.	
Naphthalene	91-20-3	100	N.D.	
2-Nitroaniline	88-74-4	250	N.D.	
3-Nitroaniline	99-09-2	250	N.D.	
4-Nitroaniline	100-01-6	250	N.D.	
Nitrobenzene	98-95-3	100	N.D.	
2-Nitrophenol	88-75-5	100	N.D.	
4-Nitrophenol	100-02-7	100	N.D.	
N-Nitrosodiphenylamine	86-30-6	100	N.D.	
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.	
N-Nitrosodimethylamine	62-75-9	100	N.D.	
Pentachlorophenol	87-86-5	250	N.D.	
Phenanthrene	85-01-8	100	N.D.	
Phenol	108-95-2	100	150	<---
Pyrene	129-00-0	100	N.D.	
1,2,4-Trichlorobenzene	120-82-1	100	N.D.	
2,4,5-Trichlorophenol	95-95-4	100	N.D.	
2,4,6-Trichlorophenol	88-06-2	100	N.D.	

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

M[illegible]k Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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. ınedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-3-4
Laboratory Sample #: 97040788
Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-23-97
Reported: 04-28-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
zo(g,h,i)perylene	191-24-2	250	N.D.
..izo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
D' ethyl phthalate	131-11-3	100	N.D.
-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

ORANGE COAST ANALYTICAL, INC.
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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-4-3-4
Laboratory Sample #: 97040788

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

k Noorani
Laboratory Director

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-3-10
Laboratory Sample #: 97040789
Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-23-97
Reported: 04-28-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
Benzo(g,h,i)perylene	191-24-2	250	N.D.
Benzo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-4-3-10
Laboratory Sample #: 97040789

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
4-Methylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-4-1
Laboratory Sample #: 97040790
Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-24-97
Reported: 04-28-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
P zo(k)fluoranthene	207-08-9	250	N.D.
l o(g,h,i)perylene	191-24-2	250	N.D.
Benzo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
D thyl phthalate	131-11-3	100	N.D.
4,6 Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-4-4-1
Laboratory Sample #: 97040790

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
4-Methylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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. nnedy Jenks Consultants
ATTN: Mr. Rus Purcell
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-23-97
Reported: 04-28-97

Sample Description: Soil, 2BB-4-4-4
Laboratory Sample #: 97040791
Laboratory Reference #: KJC 8919

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
zo(g,h,i)perylene	191-24-2	250	N.D.
benzo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
ethyl phthalate	131-11-3	100	N.D.
-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-4-4-4
Laboratory Sample #: 97040791

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

k Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-4-10
Laboratory Sample #: 97040792
Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-23-97
Reported: 04-28-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
zo(g,h,i)perylene	191-24-2	250	N.D.
Benzo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
D ethyl phthalate	131-11-3	100	N.D.
-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

ORANGE COAST ANALYTICAL, INC.
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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-4-4-10
Laboratory Sample #: 97040792

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

k Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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. .nedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-5-1
Laboratory Sample #: 97040793
Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-24-97
Reported: 04-28-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
zo(g,h,i)perylene	191-24-2	250	N.D.
benzo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
D ethyl phthalate	131-11-3	100	N.D.
-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-4-5-1
Laboratory Sample #: 97040793

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
phthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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.nedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-5-4
Laboratory Sample #: 97040794
Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-24-97
Reported: 04-28-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
' zo(g,h,i)perylene	191-24-2	250	N.D.
E .zo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
D' ethyl phthalate	131-11-3	100	N.D.
4 -Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-4-5-4
Laboratory Sample #: 97040794

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
4 thylphenol	106-44-5	100	N.D.
Na thalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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k .ıedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-5-10
Laboratory Sample #: 97040795
Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-23-97
Reported: 04-28-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
I :o(g,h,i)perylene	191-24-2	250	N.D.
Be.ızo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
D' ethyl phthalate	131-11-3	100	N.D.
4 -Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-4-5-10
Laboratory Sample #: 97040795

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani

M k Noorani
Laboratory Director

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..nnedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-6-1
Laboratory Sample #: 97040796
Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-24-97
Reported: 04-28-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
B^nzo(k)fluoranthene	207-08-9	250	N.D.
zo(g,h,i)perylene	191-24-2	250	N.D.
Benzo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
r ethyl phthalate	131-11-3	100	N.D.
4, -Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-4-6-1
Laboratory Sample #: 97040796

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
[illegible]ethylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director

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. .nedy Jenks Consultants
ATTN: Mr. Rus Purcell
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-6-4
Laboratory Sample #: 97040797
Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-23-97
Reported: 04-28-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
zo(g,h,i)perylene	191-24-2	250	N.D.
Benzo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
D ethyl phthalate	131-11-3	100	N.D.
4 -Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-4-6-4
Laboratory Sample #: 97040797

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-6-10
Laboratory Sample #: 97040798
Laboratory Reference #: KJC 8919

Sampled : 04-16-97
Received: 04-16-97
Analyzed: 04-25-97
Reported: 04-28-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
·zo(g,h,i)perylene	191-24-2	250	N.D.
. ızo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
D'ıethyl phthalate	131-11-3	100	N.D.
-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270) (continued)

Sample Description: Soil, 2BB-4-6-10
Laboratory Sample #: 97040798

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
ethylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director

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ATTN: Mr. Rus Purcell
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-18-1

Laboratory Sample Number: 97040775
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	120	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	25	<---
obalt	6010	80	8000	0.5	8.2	<---
Copper	6010	25	2500	0.1	12	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	17	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	19	<---
Zinc	6010	250	5000	0.1	39	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-18-4

Laboratory Sample Number: 97040776
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	86	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	20	<---
'obalt	6010	80	8000	0.5	6.8	<---
.opper	6010	25	2500	0.1	10	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	7.3	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	23	<---
Zinc	6010	250	5000	0.1	27	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Mark Noorani
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-18-10

Laboratory Sample Number: 97040777
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	120	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	38	<---
Cobalt	6010	80	8000	0.5	10	<---
Copper	6010	25	2500	0.1	17	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	15	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	37	<---
Zinc	6010	250	5000	0.1	59	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-18-15

Laboratory Sample Number: 97040778
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	110	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	25	<---
Cobalt	6010	80	8000	0.5	7.1	<---
Copper	6010	25	2500	0.1	14	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	14	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	27	<---
Zinc	6010	250	5000	0.1	44	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-18-20

Laboratory Sample Number: 97040779
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	140	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	33	<---
'obalt	6010	80	8000	0.5	9.6	<---
.opper	6010	25	2500	0.1	17	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	19	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	35	<---
Zinc	6010	250	5000	0.1	65	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-18-25

Laboratory Sample Number: 97040780
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	120	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	25	<---
Cobalt	6010	80	8000	0.5	7.4	<---
Copper	6010	25	2500	0.1	16	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	12	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	32	<---
Zinc	6010	250	5000	0.1	47	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-1-1

Laboratory Sample Number: 97040781
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	99	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	27	<---
Cobalt	6010	80	8000	0.5	7.2	<---
Copper	6010	25	2500	0.1	15	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	11	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	27	<---
Zinc	6010	250	5000	0.1	46	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-1-4

Laboratory Sample Number: 97040782
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	110	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	25	<---
Cobalt	6010	80	8000	0.5	7.3	<---
Copper	6010	25	2500	0.1	29	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	11	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	29	<---
Zinc	6010	250	5000	0.1	46	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-1-10

Laboratory Sample Number: 97040783
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	80	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	20	<---
Cobalt	6010	80	8000	0.5	5.4	<---
Copper	6010	25	2500	0.1	12	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	9.2	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	22	<---
Zinc	6010	250	5000	0.1	35	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-2-1

Laboratory Sample Number: 97040784
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	100	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	31	<---
ˆobalt	6010	80	8000	0.5	7.8	<---
ˏopper	6010	25	2500	0.1	16	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	12	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	32	<---
Zinc	6010	250	5000	0.1	47	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-2-4

Laboratory Sample Number: 97040785
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	100	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	31	<---
Cobalt	6010	80	8000	0.5	8.0	<---
Copper	6010	25	2500	0.1	16	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	14	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	32	<---
Zinc	6010	250	5000	0.1	48	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-2-10

Laboratory Sample Number: 97040786
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	84	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	22	<---
obalt	6010	80	8000	0.5	7.6	<---
opper	6010	25	2500	0.1	15	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	12	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	27	<---
Zinc	6010	250	5000	0.1	43	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-3-1

Laboratory Sample Number: 97040787
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	47	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	24	<---
Cobalt	6010	80	8000	0.5	4.8	<---
Copper	6010	25	2500	0.1	6.4	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	10	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	22	<---
Zinc	6010	250	5000	0.1	39	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-3-4

Laboratory Sample Number: 97040788
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	110	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	34	<---
Cobalt	6010	80	8000	0.5	7.9	<---
Copper	6010	25	2500	0.1	9.0	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	14	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	33	<---
Zinc	6010	250	5000	0.1	38	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-3-10

Laboratory Sample Number: 97040789
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	99	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	30	<---
Cobalt	6010	80	8000	0.5	8.0	<---
Copper	6010	25	2500	0.1	21	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	15	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	33	<---
Zinc	6010	250	5000	0.1	50	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-4-1

Laboratory Sample Number: 97040790
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	110	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	27	<---
^obalt	6010	80	8000	0.5	7.3	<---
opper	6010	25	2500	0.1	15	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	12	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	28	<---
Zinc	6010	250	5000	0.1	41	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-4-4

Laboratory Sample Number: 97040791
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	86	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	25	<---
`obalt	6010	80	8000	0.5	6.2	<---
.opper	6010	25	2500	0.1	12	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	11	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	27	<---
Zinc	6010	250	5000	0.1	39	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-4-10

Laboratory Sample Number: 97040792
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	79	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	19	<---
Cobalt	6010	80	8000	0.5	5.6	<---
Copper	6010	25	2500	0.1	8.7	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	7.9	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	20	<---
Zinc	6010	250	5000	0.1	37	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-5-1

Laboratory Sample Number: 97040793
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	110	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	27	<---
Cobalt	6010	80	8000	0.5	7.1	<---
Copper	6010	25	2500	0.1	14	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	12	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	27	<---
Zinc	6010	250	5000	0.1	46	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-5-4

Laboratory Sample Number: 97040794
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	81	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	27	<---
obalt	6010	80	8000	0.5	6.7	<---
opper	6010	25	2500	0.1	14	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	11	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	28	<---
Zinc	6010	250	5000	0.1	39	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-5-10

Laboratory Sample Number: 97040795
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	120	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	35	<---
Cobalt	6010	80	8000	0.5	6.6	<---
Copper	6010	25	2500	0.1	14	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	13	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	27	<---
Zinc	6010	250	5000	0.1	41	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-6-1

Laboratory Sample Number: 97040796
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	82	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	24	<---
Cobalt	6010	80	8000	0.5	5.2	<---
Copper	6010	25	2500	0.1	8.3	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	7.8	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	23	<---
Zinc	6010	250	5000	0.1	34	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-6-4

Laboratory Sample Number: 97040797
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	80	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	21	<---
Cobalt	6010	80	8000	0.5	5.4	<---
Copper	6010	25	2500	0.1	22	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	8.1	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	24	<---
Zinc	6010	250	5000	0.1	44	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-4-6-10

Laboratory Sample Number: 97040798
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	88	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	30	<---
Cobalt	6010	80	8000	0.5	7.0	<---
Copper	6010	25	2500	0.1	11	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	12	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	30	<---
Zinc	6010	250	5000	0.1	41	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-6-8-1

Laboratory Sample Number: 97040799
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	93	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	28	<---
Cobalt	6010	80	8000	0.5	6.4	<---
Copper	6010	25	2500	0.1	11	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	11	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	30	<---
Zinc	6010	250	5000	0.1	35	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-6-8-4

Laboratory Sample Number: 97040800
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	130	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	21	<---
'obalt	6010	80	8000	0.5	6.4	<---
.opper	6010	25	2500	0.1	12	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	11	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	23	<---
Zinc	6010	250	5000	0.1	38	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-6-8-10

Laboratory Sample Number: 97040801
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	140	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	26	<---
Cobalt	6010	80	8000	0.5	7.0	<---
Copper	6010	25	2500	0.1	14	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	12	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	24	<---
Zinc	6010	250	5000	0.1	45	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

ennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-6-8-15

Laboratory Sample Number: 97040802
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-18-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	110	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	25	<---
^obalt	6010	80	8000	0.5	8.4	<---
opper	6010	25	2500	0.1	20	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	14	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	33	<---
Zinc	6010	250	5000	0.1	52	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-6-8-20

Laboratory Sample Number: 97040803
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-21-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	81	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	20	<---
Cobalt	6010	80	8000	0.5	4.3	<---
Copper	6010	25	2500	0.1	13	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	11	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	22	<---
Zinc	6010	250	5000	0.1	29	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Laboratory Director

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.ennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-6-8-25

Laboratory Sample Number: 97040804
Laboratory Reference #: KJC 8918

Sampled: 04-16-97
Received: 04-16-97
Analyzed: 04-21-97
Reported: 04-28-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	24	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	11	<---
·obalt	6010	80	8000	0.5	1.9	<---
;opper	6010	25	2500	0.1	3.6	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	6.1	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	16	<---
Zinc	6010	250	5000	0.1	15	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 04/21/97
Laboratory Sample No : 97040921
Laboratory Reference No : KJC 8918

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	82	91	82	91	10

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organic Compounds (EPA 8010/8020)

Date of Analysis : 04/23/97
Laboratory Sample No : 97040716
Laboratory Reference No : KJC 8918

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	10.0	9.6	9.9	96	99	3
1,1-Dichloroethane	0.0	5.0	4.9	4.7	98	94	4
Trichloroethene	0.0	5.0	5.0	4.8	100	96	4
Tetrachloroethene	0.0	5.0	5.1	4.8	102	96	6
Toluene	0.0	10.0	9.7	10.0	97	100	3

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organic Compounds (EPA 8010/8020)

Date of Analysis : 04/22/97
Laboratory Sample No : 97040551
Laboratory Reference No : KJC 8918

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	19	19	95	95	0
1,1-Dichloroethane	0.0	20	19	19	95	95	0
Trichloroethene	0.0	20	18	18	90	90	0
Tetrachloroethene	0.0	20	18	17	90	85	6
Toluene	0.0	20	19	19	95	95	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 04/18/97
Laboratory Sample No : 97040800
Laboratory Reference No :KJC 8918

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	30.00	32.00	33.00	107	110	3
Arsenic	0.00	10.00	9.60	8.40	96	84	13
Barium	13.00	10.00	24.00	23.00	110	100	4
Beryllium	0.00	1.00	1.02	0.99	102	99	3
Cadmium	0.00	1.00	1.02	1.07	102	107	5
Chromium (Total)	2.10	5.00	7.10	6.80	100	94	4
Chromium (VI)	0.00	1.00	0.85	0.94	85	94	10
Cobalt	0.64	1.00	1.66	1.52	102	88	9
Copper	1.20	1.00	2.25	2.10	105	90	7
Lead	0.00	10.00	10.40	10.30	104	103	1
Mercury	0.000	0.020	0.022	0.023	110	115	4
Molybdenum	0.00	10.00	10.00	9.40	100	94	6
Nickel	1.10	5.00	6.00	6.10	98	100	2
Selenium	0.00	10.00	10.90	9.60	109	96	13
Silver	0.00	5.00	5.90	5.80	118	116	2
Thallium	0.00	30.00	32.00	31.00	107	103	3
Vanadium	2.30	5.00	7.70	7.90	108	112	3
Zinc	3.80	5.00	8.50	8.50	94	94	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 04/18/97
Laboratory Sample No : 97040784
Laboratory Reference No :KJC 8918

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	30.00	28.00	30.00	93	100	7
Arsenic	0.00	10.00	8.20	8.60	82	86	5
Barium	10.00	10.00	19.00	20.50	90	105	8
Beryllium	0.00	1.00	0.97	1.08	97	108	11
Cadmium	0.00	1.00	1.01	1.05	101	105	4
Chromium (Total)	2.60	5.00	8.00	7.80	108	104	3
Chromium (VI)	0.00	1.00	0.87	0.97	87	97	11
Cobalt	0.78	1.00	1.64	1.80	86	102	9
Copper	1.60	1.00	2.60	2.75	100	115	6
Lead	0.00	10.00	9.40	9.70	94	97	3
Mercury	0.000	0.020	0.019	0.018	95	90	5
Molybdenum	0.00	10.00	8.70	10.10	87	101	15
Nickel	1.20	5.00	5.90	6.50	94	106	10
Selenium	0.00	10.00	9.60	10.10	96	101	5
Silver	0.00	5.00	4.80	5.30	96	106	10
Thallium	0.00	30.00	23.00	26.00	77	87	12
Vanadium	2.90	5.00	7.30	7.80	88	98	7
Zinc	4.70	5.00	9.40	10.00	94	106	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 04/24/97
Laboratory Sample No : 97040783
Laboratory Reference No : KJC 8918

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	43	45	86	90	5
n-Nitroso-di-n-propylamine	0.0	50	48	49	96	98	2
1,2,4-Trichlorobenzene	0.0	50	42	44	84	88	5
Acenaphthene	0.0	50	46	47	92	94	2
Pyrene	0.0	50	30	32	60	64	6
entachlorophenol	0.0	100	70	78	70	78	11
4-Chloro-3-Methylphenol	0.0	100	65	68	65	68	5
2-Chlorophenol	0.0	100	75	79	75	79	5
Phenol	0.0	100	65	69	65	69	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

RANGE COAST ANALYTICAL

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Laboratory Director

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 04/23/97
Laboratory Sample No : 97040792
Laboratory Reference No : KJC 8918

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	41	46	82	92	11
n-Nitroso-di-n-propylamine	0.0	50	40	52	80	104	26
1,2,4-Trichlorobenzene	0.0	50	41	46	82	92	11
Acenaphthene	0.0	50	45	49	90	98	9
Pyrene	0.0	50	39	45	78	90	14
Pentachlorophenol	0.0	100	74	84	74	84	13
4-Chloro-3-Methylphenol	0.0	100	65	73	65	73	12
2-Chlorophenol	0.0	100	79	86	79	86	8
Phenol	0.0	100	72	81	72	81	12

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

Mark Noorani

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Laboratory Director

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Tustin, CA 92680
(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

Lab Job No: ____
Page 1 of 3

REQUIRED TAT: Normal

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Kennedy / Jenks	PROJECT NAME:	Douglas Aircraft
SEND REPORT TO:	Rus Purcell	NUMBER:	974002.00
ADDRESS:	2151 Michelson Dr., Ste. 100 Irvine, CA 92612	LOCATION:	Torrance C-6 Facility
		ADDRESS:	
PHONE:	714-261-1577 FAX: 261-2134	SAMPLED BY:	J. Knight

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Metals	Cr (VI) (if > 10ppm total Cr)	pH	8270					REMARKS/PRECAUTIONS
2BB-1-18-1	1	4-16-97	0819	soil	poly sleeve		X	X	X						
2BB-1-18-4			0825				X	X	X						
2BB-1-18-10			0838				X	X	X						
2BB-1-18-15			0851				X	X	X						
2BB-1-18-20			0901				X	X	X						
2BB-1-18-25			0913				X	X	X						
2BB-4-1-1			1008				X	X		X					
2BB-4-1-4			1013				X	X		X					
2BB-4-1-10			1017				X	X		X					
2BB-4-2-1			1045				X	X		X					
2BB-4-2-4			1050				X	X		X					
2BB-4-2-10			1057				X	X		X					
2BB-4-3-1			1114				X	X		X					
2BB-4-3-4			1119				X	X		X					

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jay Knight	4-16-97 1615		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	4/16/97 16:50

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-C6-0106756

ORANGE COAST ANALYTICAL, INC.
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Tustin, CA 92680
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Analysis Request and Chain of Custody Record

Lab Job No: ____
Page 2 of 3

REQUIRED TAT: Normal

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Kennedy/Jenks	PROJECT NAME: Douglas Aircraft
SEND REPORT TO: Rus Purcell	NUMBER: 974002.00
ADDRESS: 2151 Michelson Dr., Ste 100	LOCATION: Torrance C-6 Facility
Irvine, CA 92612	ADDRESS:
PHONE: 714-261-1577 FAX: 261-2134	SAMPLED BY: J. Knight

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Metals	Cr (VI) (if >10 ppm total chrome)	8270	8080 PCBs					REMARKS/PRECAUTIONS
2BB-4-3-10	1	4-16-97	1129	soil	poly sleeve		X	X	X						
2BB-4-4-1			1254				X	X	X						
2BB-4-4-4			1259				X	X	X						
2BB-4-4-10			1306				X	X	X						
2BB-4-5-1			1321				X	X	X						
2BB-4-5-4			1326				X	X	X						
2BB-4-5-10			1332				X	X	X						
2BB-4-6-1			1355				X	X	X						
2BB-4-6-4			1357				X	X	X						
2BB-4-6-10			1404				X	X	X						
2BB-6-8-1			1439				X			X					
2BB-6-8-4			1443				X			X					
2BB-6-8-10			1453				X			X					
2BB-6-8-15			1458				X			X					

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jay Kyt	4-16-97 1615		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	4/16/97 16:50

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-C6-0106757

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Analysis Request and Chain of Custody Record

Lab Job No: ___
Page 3 of 3

REQUIRED TAT: Normal

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Kennedy/Jenks	PROJECT NAME:	Douglas Aircraft
SEND REPORT TO:	Rus Purcell	NUMBER:	974002.00
ADDRESS:	2151 Michelson Dr., Ste 100 Irvine, CA 92612	LOCATION:	Torrance C-6 Facility
		ADDRESS:	
PHONE:	714-261-1577 FAX: 261-2134	SAMPLED BY:	J. Knight

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Metals	8080 (PCBs)	8010/8020						REMARKS/PRECAUTIONS
2BB-6-8-20	1	4-16-97	1520	Soil	poly sleeve		X	X							
2BB-6-8-25	"	"	1530	"	"		X	X							
EB-041697	2	"	1605	water	40ml				X						

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jay Kt	04-16-97 1615		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	4/16/97 16:50

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-C6-0106758

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 1 of 1

REQUIRED TAT: Normal

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Kennedy / Jenks	PROJECT NAME:	Douglas Aircraft
SEND REPORT TO:	Rus Purcell	NUMBER:	974002.00
ADDRESS:	2151 Michelson Dr, Ste 100	LOCATION:	Torrance C-6 Facility
	Irvine, CA 92612	ADDRESS:	
PHONE:	714-261-1577 FAX: 261-2134	SAMPLED BY:	J. Knight / D. Schneeberger

ANALYSIS/METHOD REQUEST: 418.1, 8010/8020

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	418.1	8010/8020	REMARKS/PRECAUTIONS
2BB-SA-NE-8-20	1	4-16-97		Soil	steel		X		
2BB-4-6-10					poly		X		10% ND QA/QC
2BB-SA-NW-7-40					steel		X		
2BB-1-18-1					poly			X	Samples in Lab
2BB-4-3-1					poly			X	
2BB-6-8-1					poly			X	
2BB-SA-NW-7-30					steel			X	

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jay Knight	4-17-97 1600		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	4/17/97 16:40

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

Sample Integrity: (check)
intact _____ on ice _____

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BOE-C6-0106759