Calscience
Environmental
Laboratories, Inc.

July 01, 2002

Luis Rosas
Onyx Environmental Services
107 South Motor Avenue
Azusa, CA 91702-3336

Subject: **Calscience Work Order No.: 02-06-0605**
Client Reference: Boeing

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 06/17/02 and analyzed in accordance with the attached facsimile correspondance.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Michael J. Crisostomo
Quality Assurance Manager

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Onyx Environmental Services
107 South Motor Avenue
Azusa, CA 91702-3336

Date Received:	06/17/02
Work Order No:	02-06-0605
Preparation:	TCLP
Method:	EPA 8260B

Project: Boeing

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-1	02-06-0605-1	06/14/02	Solid	06/26/02	06/28/02	062802L02

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	1000	1		ug/L	1,3-Dichloropropane	ND	100	1		ug/L
Benzene	ND	50	1		ug/L	2,2-Dichloropropane	ND	100	1		ug/L
Bromobenzene	ND	100	1		ug/L	1,1-Dichloropropene	ND	100	1		ug/L
Bromochloromethane	ND	100	1		ug/L	c-1,3-Dichloropropene	ND	50	1		ug/L
Bromodichloromethane	ND	100	1		ug/L	t-1,3-Dichloropropene	ND	50	1		ug/L
Bromoform	ND	100	1		ug/L	Ethylbenzene	ND	100	1		ug/L
Bromomethane	ND	1000	1		ug/L	2-Hexanone	ND	1000	1		ug/L
2-Butanone	ND	1000	1		ug/L	Isopropylbenzene	ND	100	1		ug/L
n-Butylbenzene	ND	100	1		ug/L	p-Isopropyltoluene	ND	100	1		ug/L
sec-Butylbenzene	ND	100	1		ug/L	Methylene Chloride	1300	1000	1		ug/L
tert-Butylbenzene	ND	100	1		ug/L	4-Methyl-2-Pentanone	ND	1000	1		ug/L
Carbon Disulfide	ND	1000	1		ug/L	Naphthalene	ND	1000	1		ug/L
Carbon Tetrachloride	ND	50	1		ug/L	n-Propylbenzene	ND	100	1		ug/L
Chlorobenzene	ND	100	1		ug/L	Styrene	ND	100	1		ug/L
Chloroethane	ND	100	1		ug/L	1,1,1,2-Tetrachloroethane	ND	100	1		ug/L
Chloroform	ND	100	1		ug/L	1,1,2,2-Tetrachloroethane	ND	100	1		ug/L
Chloromethane	ND	100	1		ug/L	Tetrachloroethene	ND	100	1		ug/L
2-Chlorotoluene	ND	100	1		ug/L	Toluene	ND	100	1		ug/L
4-Chlorotoluene	ND	100	1		ug/L	1,2,3-Trichlorobenzene	ND	100	1		ug/L
Dibromochloromethane	ND	100	1		ug/L	1,2,4-Trichlorobenzene	ND	100	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	500	1		ug/L	1,1,1-Trichloroethane	ND	100	1		ug/L
1,2-Dibromoethane	ND	100	1		ug/L	1,1,2-Trichloroethane	ND	100	1		ug/L
Dibromomethane	ND	100	1		ug/L	Trichloroethene	ND	100	1		ug/L
1,2-Dichlorobenzene	ND	100	1		ug/L	Trichlorofluoromethane	ND	1000	1		ug/L
1,3-Dichlorobenzene	ND	100	1		ug/L	1,2,3-Trichloropropane	ND	500	1		ug/L
1,4-Dichlorobenzene	ND	100	1		ug/L	1,2,4-Trimethylbenzene	ND	100	1		ug/L
Dichlorodifluoromethane	ND	100	1		ug/L	1,3,5-Trimethylbenzene	ND	100	1		ug/L
1,1-Dichloroethane	ND	100	1		ug/L	Vinyl Acetate	ND	1000	1		ug/L
1,2-Dichloroethane	ND	50	1		ug/L	Vinyl Chloride	ND	50	1		ug/L
1,1-Dichloroethene	110	100	1		ug/L	p/m-Xylene	ND	100	1		ug/L
c-1,2-Dichloroethene	ND	100	1		ug/L	o-Xylene	ND	100	1		ug/L
t-1,2-Dichloroethene	ND	100	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	100	1		ug/L
1,2-Dichloropropane	ND	100	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	86-118		Toluene-d8	100	88-110	
1,4-Bromofluorobenzene	97	86-115					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Onyx Environmental Services
107 South Motor Avenue
Azusa, CA 91702-3336

Date Received: 06/17/02
Work Order No: 02-06-0605
Preparation: TCLP
Method: EPA 8260B

Project: Boeing

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-10-006-5,490	N/A	Aqueous	06/26/02	06/28/02	062802L02

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	1000	1		ug/L	1,3-Dichloropropane	ND	100	1		ug/L
Benzene	ND	50	1		ug/L	2,2-Dichloropropane	ND	100	1		ug/L
Bromobenzene	ND	100	1		ug/L	1,1-Dichloropropene	ND	100	1		ug/L
Bromochloromethane	ND	100	1		ug/L	c-1,3-Dichloropropene	ND	50	1		ug/L
Bromodichloromethane	ND	100	1		ug/L	t-1,3-Dichloropropene	ND	50	1		ug/L
Bromoform	ND	100	1		ug/L	Ethylbenzene	ND	100	1		ug/L
Bromomethane	ND	1000	1		ug/L	2-Hexanone	ND	1000	1		ug/L
2-Butanone	ND	1000	1		ug/L	Isopropylbenzene	ND	100	1		ug/L
n-Butylbenzene	ND	100	1		ug/L	p-Isopropyltoluene	ND	100	1		ug/L
sec-Butylbenzene	ND	100	1		ug/L	Methylene Chloride	ND	1000	1		ug/L
tert-Butylbenzene	ND	100	1		ug/L	4-Methyl-2-Pentanone	ND	1000	1		ug/L
Carbon Disulfide	ND	1000	1		ug/L	Naphthalene	ND	1000	1		ug/L
Carbon Tetrachloride	ND	50	1		ug/L	n-Propylbenzene	ND	100	1		ug/L
Chlorobenzene	ND	100	1		ug/L	Styrene	ND	100	1		ug/L
Chloroethane	ND	100	1		ug/L	1,1,1,2-Tetrachloroethane	ND	100	1		ug/L
Chloroform	ND	100	1		ug/L	1,1,2,2-Tetrachloroethane	ND	100	1		ug/L
Chloromethane	ND	100	1		ug/L	Tetrachloroethene	ND	100	1		ug/L
2-Chlorotoluene	ND	100	1		ug/L	Toluene	ND	100	1		ug/L
4-Chlorotoluene	ND	100	1		ug/L	1,2,3-Trichlorobenzene	ND	100	1		ug/L
Dibromochloromethane	ND	100	1		ug/L	1,2,4-Trichlorobenzene	ND	100	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	500	1		ug/L	1,1,1-Trichloroethane	ND	100	1		ug/L
1,2-Dibromoethane	ND	100	1		ug/L	1,1,2-Trichloroethane	ND	100	1		ug/L
Dibromomethane	ND	100	1		ug/L	Trichloroethene	ND	100	1		ug/L
1,2-Dichlorobenzene	ND	100	1		ug/L	Trichlorofluoromethane	ND	1000	1		ug/L
1,3-Dichlorobenzene	ND	100	1		ug/L	1,2,3-Trichloropropane	ND	500	1		ug/L
1,4-Dichlorobenzene	ND	100	1		ug/L	1,2,4-Trimethylbenzene	ND	100	1		ug/L
Dichlorodifluoromethane	ND	100	1		ug/L	1,3,5-Trimethylbenzene	ND	100	1		ug/L
1,1-Dichloroethane	ND	100	1		ug/L	Vinyl Acetate	ND	1000	1		ug/L
1,2-Dichloroethane	ND	50	1		ug/L	Vinyl Chloride	ND	50	1		ug/L
1,1-Dichloroethene	ND	100	1		ug/L	p/m-Xylene	ND	100	1		ug/L
c-1,2-Dichloroethene	ND	100	1		ug/L	o-Xylene	ND	100	1		ug/L
t-1,2-Dichloroethene	ND	100	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	100	1		ug/L
1,2-Dichloropropane	ND	100	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	86-118		Toluene-d8	101	88-110	
1,4-Bromofluorobenzene	98	86-115					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Onyx Environmental Services
107 South Motor Avenue
Azusa, CA 91702-3336

Date Received: 06/17/02
Work Order No: 02-06-0605
Preparation: TCLP
Method: EPA 8260B

Project: Boeing

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-1	Solid	GC/MS U	N/A	06/28/02	062802S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	102	72-127	1	0-25	
Carbon Tetrachloride	102	104	70-130	2	0-25	
Chlorobenzene	101	101	72-131	0	0-25	
1,2-Dichlorobenzene	100	100	70-130	0	0-25	
1,1-Dichloroethene	100	101	69-127	2	0-25	
Toluene	101	103	75-124	2	0-25	
Trichloroethene	102	103	60-137	2	0-25	
Vinyl Chloride	101	102	70-130	1	0-25	
Methyl-t-Butyl Ether (MTBE)	99	102	80-120	3	0-25	

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Onyx Environmental Services
107 South Motor Avenue
Azusa, CA 91702-3336

Project: Boeing

Date Received: 06/17/02
Work Order No: 02-06-0605
Preparation: TCLP
Method: EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-5,490	Aqueous	GC/MS U	N/A	06/28/02	062802L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	99	72-127	0	0-25	
Carbon Tetrachloride	101	99	70-130	1	0-25	
Chlorobenzene	101	99	72-131	2	0-25	
1,2-Dichlorobenzene	102	101	70-130	1	0-25	
1,1-Dichloroethene	99	99	69-127	0	0-25	
Toluene	101	101	75-124	0	0-25	
Trichloroethene	101	100	60-137	1	0-25	
Vinyl Chloride	96	97	79-118	1	0-25	
Methyl-t-Butyl Ether (MTBE)	102	103	80-120	1	0-25	
Tert-Butyl Alcohol (TBA)	101	112	60-140	10	0-25	
Diisopropyl Ether (DIPE)	100	101	60-140	0	0-25	
Ethyl-t-Butyl Ether (ETBE)	101	101	60-140	1	0-25	
Tert-Amyl-Methyl Ether (TAME)	102	103	60-140	1	0-25	
Ethanol	97	105	60-140	8	0-25	

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

GLOSSARY OF TERMS AND QUALIFIERS

Work Order Number: 02-06-0605

Qualifier	Definition
ND	Not detected at indicated reporting limit.

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501