

3/22/99
 Talked to Dan Easter
 approved



EMCON

1433 N. Market Boulevard
 Sacramento, California 95834-1943

PHONE: 916/928-3300
 FAX: 916/928-3341

FAX TRANSMITTAL

of Emcon
 Tank 2
 clean up
 - need to talk
 to Ted Park /
 re: water clean
 - refer to clean up
 #5 in water.

Tank 1 = #Vocs
 STD 4579

Company	Fax No.	Telephone No.
Susan Hugo Alameda County Environmental Hlth	510-337-9335	510-567-6780
SemiVocs	T2SW ND	T2SE ND
PCBs	ND	ND
TPHs	ND	ND
MTBE	ND (420)	ND (LL20)
BTEX	ND	ND
TOTD	1.8 ppm	2.6 ppm
Pb	3.5	7.1

method used
 5.4 ppb naphthalene; 10 ppb
 = ND (L. 47 ppb)
 120 ppb
 ND (L. 24 ppb)
 B = nd, T = 0.89, E = 0.65; K = 3.4
 2,800 ppb
 330 ppb

From: Dan Easter

Project No.: 20G01-001.013

Date: March 17, 1999

Total No. of Pages: 20

Subject: IKEA Property, Emeryville

URGENT FOR REVIEW PLEASE REPLY PLEASE RECYCLE

Notes/Comments:

Laboratory testing results for Tank 2 are attached. Soil samples T2-Sw and T2-Se represent samples from the west and east ends of the tank excavation area as we discussed in the field. Water sample is T2-W.

Please review and let me know when we can close the excavation.

Tank 2 - PCBs all nd for soil & water

1000 ppm TPH d
 5000 ppm Pb in soil
 10 ppm PCBs

no semi volatile
 no HED clean-up levels
 no - 550 ppb / 350 ppb / 510 ppb
 TPHs
 PCBs
 BTEX
 20.05 ppb
 Pb = nd.

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510 337 8335; # 3/20

EMCON SACRAMENTO

; 3-17-99 ; 1:07PM ;

SENT BY: EMCON



3301 K St., Suite 101, CA 95854
408-282-1800 - FAX (408) 448-8850

138424

CHAIN OF CUSTODY/LABORATORY ANALYSIS REPORT FORM

SERVICE REQUEST NO. _____

P.O. # 55497/00 PAGE 1 OF 1

PROJECT INFORMATION					NUMBER OF CONTAINERS	ANALYSIS REQUESTED													REMARKS *
PROJECT NAME	PROJECT MGR.	COMPANY	ADDRESS	PHONE		PREP	HCl	HCl	HCl	MP	MP	S	MS	MS	RP	H ₂ O	WDM		
<u>EMCON, Inc. 22175-001-003</u>	<u>Don Easter</u>	<u>EMCON</u>	<u>1433 Market Blvd. Sacramento, CA</u>	<u>916-928-3300</u>		<u>Volatiles Organics by GC/MS</u>	<u>H₂O</u>	<u>H₂O</u>	<u>H₂O</u>	<u>MP</u>	<u>MP</u>	<u>S</u>	<u>MS</u>	<u>MS</u>	<u>RP</u>	<u>H₂O</u>	<u>WDM</u>		
SAMPLER'S SIGNATURE: <u>[Signature]</u>						<u>Metals by ICP-AES</u>	<u>As</u>	<u>Cd</u>	<u>Cr</u>	<u>Pb</u>	<u>Mn</u>	<u>Fe</u>	<u>Mg</u>	<u>Ca</u>	<u>Na</u>	<u>K</u>	<u>Ag</u>		
1	<u>TZ-SW</u>	<u>3-12</u>		<u>Soil</u>	<u>1</u>	<u>As</u>	<u>Cd</u>	<u>Cr</u>	<u>Pb</u>	<u>Mn</u>	<u>Fe</u>	<u>Mg</u>	<u>Ca</u>	<u>Na</u>	<u>K</u>	<u>Ag</u>			
2	<u>TZ-Se</u>	<u>3-12</u>		<u>Soil</u>	<u>1</u>	<u>As</u>	<u>Cd</u>	<u>Cr</u>	<u>Pb</u>	<u>Mn</u>	<u>Fe</u>	<u>Mg</u>	<u>Ca</u>	<u>Na</u>	<u>K</u>	<u>Ag</u>			
3	<u>TZ-W</u>	<u>3-12</u>		<u>Water</u>	<u>9</u>	<u>As</u>	<u>Cd</u>	<u>Cr</u>	<u>Pb</u>	<u>Mn</u>	<u>Fe</u>	<u>Mg</u>	<u>Ca</u>	<u>Na</u>	<u>K</u>	<u>Ag</u>			

MR 16 '99 17:42 10-1916828341

FROM: CURTIS A. TAPPINS

T-365 P.02

F-392

RELINQUISHED BY: Signature: <u>[Signature]</u> Printed Name: <u>Don Easter</u> Firm: <u>EMCON</u> Date/Time: <u>3-12-99, 1:50</u>	RECEIVED BY: Signature: <u>[Signature]</u> Printed Name: <u>M. TAPPINS</u> Firm: <u>EMCON</u> Date/Time: <u>3/12/99 1:50</u>	RELINQUISHED BY: Signature: _____ Printed Name: _____ Firm: _____ Date/Time: _____	RECEIVED BY: Signature: _____ Printed Name: _____ Firm: _____ Date/Time: _____	TURNOVER REQUIREMENTS 1 day <input checked="" type="checkbox"/> 2 day _____ 3 day _____ 5 day _____ Other _____ Standard (NO working days) Results Due: _____	REPORT REQUIREMENTS <input checked="" type="checkbox"/> I. Routine Report <input checked="" type="checkbox"/> II. Report includes MR, MSD, as required, may be changed as samples <input type="checkbox"/> III. Data Validation Report (includes all flow data) <input type="checkbox"/> MDLs/PCLs/Time # <input type="checkbox"/> Electronic Data Derivative
RELINQUISHED BY: Signature: _____ Printed Name: _____ Firm: _____ Date/Time: _____	RECEIVED BY: Signature: _____ Printed Name: _____ Firm: _____ Date/Time: _____	SAMPLE RECEIPT: Condition _____ Custody Seals _____ SPECIAL INSTRUCTIONS/COMMENTS: Circle which metals are to be analyzed: <u>Metals</u> Al Si Ba Bi B Cd Ca Cr Co Cu Fe Mg Mn Mo Ni K Ag Na Sn V Zn As Pb Se Ti Hg <u>only</u>			
Shipped Via/Tracking # _____		Storage: _____			

*Will sample results be used in connection with drinking water regulations? Yes No If yes, you must so indicate by writing "DW" for each such sample.



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semivolatile organics by GC/MS		
Client: EMCON		Analysis Method: EPA 8270B
Project#: 22175-001.003		Prep Method: EPA 3550
Location: IKEA Property, Inc.		
Field ID: T2-SW		Sampled: 03/12/99
Lab ID: 138424-001		Received: 03/12/99
Matrix: Soil		Extracted: 03/12/99
Batch#: 46763		Analyzed: 03/12/99
Units: ug/Kg		
Diln Fac: 1		
Analyte	Result	Reporting Limit
N-Nitrosodimethylamine	ND	330
Phenol	ND	330
Aniline	ND	330
bis(2-Chloroethyl) ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
3,4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	1700
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1700
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	330
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
1,2,3-Trichlorobenzene	ND	330
Hexachlorocyclopentadiene	ND	1700
2,4,5-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	1700
Dimethylphthalate	ND	330
Acenaphthylene	ND	330
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	1700
Acenaphthene	ND	330
2,4-Dinitrophenol	ND	1700



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Page 2 of 2

Semivolatile Organics by GC/MS		
Field ID: T2-SW	Sampled: 03/12/99	
Lab ID: 138424-001	Received: 03/12/99	
Matrix: Soil	Extracted: 03/12/99	
Batch#: 46763	Analyzed: 03/12/99	
Units: ug/Kg		
Diln Fac: 1		
Analyte	Result	Reporting Limit
4-Nitrophenol	ND	1700
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	330
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	1700
4,6-Dinitro-2-methylphenol	ND	1700
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	1700
Phenanthrene	ND	330
Anthracene	ND	330
Di-n-butylphthalate	ND	330
Fluoranthene	ND	330
Benzidine	ND	330
Pyrene	ND	330
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	1700
Benzo(a)anthracene	ND	330
Chrysene	ND	330
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b,k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenz(a,h)anthracene	ND	330
	ND	330
Surrogate	%Recovery	Recovery Limits
2-Fluorophenol	97	15-129
Phenol-d5	98	38-132
2,4,6-Tribromophenol	82	23-144
Nitrobenzene-d5	89	22-132
2-Fluorobiphenyl	88	26-137
Terphenyl-d14	95	22-149



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Semivolatile Organics by GC/MS

Client: EMCON Project#: 22175-001.003 Location: IKEA Property, Inc.		Analysis Method: EPA 8270B Prep Method: EPA 3550	
Field ID: T2-SE Lab ID: 138424-002 Matrix: Soil Batch#: 46763 Units: ug/Kg Diln Fac: 1		Sampled: 03/12/99 Received: 03/12/99 Extracted: 03/12/99 Analyzed: 03/12/99	
Analyte	Result	Reporting Limit	
N-Nitrosodimethylamine	ND	330	
Phenol	ND	330	
Aniline	ND	330	
bis(2-Chloroethyl) ether	ND	330	
2-Chlorophenol	ND	330	
1,3-Dichlorobenzene	ND	330	
1,4-Dichlorobenzene	ND	330	
Benzyl alcohol	ND	330	
1,2-Dichlorobenzene	ND	330	
2-Methylphenol	ND	330	
bis(2-Chloroisopropyl) ether	ND	330	
3,4-Methylphenol	ND	330	
N-Nitroso-di-n-propylamine	ND	330	
Hexachloroethane	ND	330	
Nitrobenzene	ND	330	
Isophorene	ND	1700	
2-Nitrophenol	ND	330	
2,4-Dimethylphenol	ND	1700	
Benzoic acid	ND	330	
bis(2-Chloroethoxy)methane	ND	330	
2,4-Dichlorophenol	ND	330	
1,2,4-Trichlorobenzene	ND	330	
Naphthalene	ND	330	
4-Chloroaniline	ND	330	
Hexachlorobutadiene	ND	330	
4-Chloro-3-methylphenol	ND	330	
2-Methylnaphthalene	ND	1700	
Hexachlorocyclopentadiene	ND	330	
2,4,6-Trichlorophenol	ND	330	
2,4,5-Trichlorophenol	ND	330	
2-Chloronaphthalene	ND	330	
2-Nitroaniline	ND	1700	
Dimethylphthalate	ND	330	
Acenaphthylene	ND	330	
2,6-Dinitrotoluene	ND	1700	
3-Nitroaniline	ND	330	
Acenaphthene	ND	1700	
2,4-Dinitrophenol	ND	330	



Semivolatile Organics By GC/MS		
Field ID: T2-SF		Sampled: 03/12/99
Lab ID: 138424-002		Received: 03/12/99
Matrix: Soil		Extracted: 03/12/99
Batch#: 46763		Analyzed: 03/12/99
Units: ug/Kg		
Diln Fac: 1		
Analyte	Result	Reporting Limit
4-Nitrophenol	ND	1700
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	330
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	1700
4,6-Dinitro-2-methylphenol	ND	1700
N-Nitrosodiphenylamine	ND	330
Acobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
hexachlorobenzene	ND	330
Pentachlorophenol	ND	1700
Phenanthrene	ND	330
Anthracene	ND	330
Di-n-butylphthalate	ND	330
Fluoranthene	ND	330
Benzidine	ND	330
Pyrene	ND	330
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	1700
Benzo (a) anthracene	ND	330
Chrysene	ND	330
bis (2-Ethylhexyl) phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo (b, k) fluoranthene	ND	330
Benzo (a) pyrene	ND	330
Indeno (1,2,3-cd) pyrene	ND	330
Dibenz (a, h) anthracene	ND	330
	ND	330
Surrogate	%Recovery	Recovery Limits
2-Fluorophenol	104	15-129
Phenol-d5	101	38-132
2,4,6-Tribromophenol	81	23-144
Nitrobenzene-d5	89	22-132
2-Fluorobiphenyl	94	26-137
Tarphenyl-d14	107	22-149



Curtis & Tompkins, Inc. 2

Semivolatile Organics by GC/MS		
Client: EMCON Project#: 22175-001.003 Location: IKEA Property, Inc.		Analysis Method: EPA 8270B Prep Method: EPA 3520
Field ID: T2-W Lab ID: 138424-003 Matrix: Water Batch#: 46773 Units: ug/L Diln Fac: 1		Sampled: 03/12/99 Received: 03/12/99 Extracted: 03/12/99 Analyzed: 03/15/99
Analyte	Result	Reporting Limit
N-Nitrosodimethylamine	ND	9.4
Phenol	ND	9.4
bis(2-Chloroethyl) ether	ND	9.4
2-Chlorophenol	ND	9.4
1,3-Dichlorobenzene	ND	9.4
1,4-Dichlorobenzene	ND	9.4
Benzyl alcohol	ND	9.4
1,2-Dichlorobenzene	ND	9.4
2-Methylphenol	ND	9.4
bis(2-Chloroisopropyl) ether	ND	9.4
3,4-Methylphenol	ND	9.4
N-Nitroso-di-n-propylamine	ND	9.4
Hexachloroethane	ND	9.4
Nitrobenzene	ND	9.4
Isophorone	ND	9.4
2-Nitrophenol	ND	47
2,4-Dimethylphenol	ND	9.4
Benzoic acid	ND	47
bis(2-Chloroethoxy)methane	ND	9.4
2,4-Dichlorophenol	ND	9.4
1,2,4-Trichlorobenzene	ND	9.4
Naphthalene	5.4 J	9.4
4-Chloroaniline	ND	9.4
Hexachlorobutadiene	ND	9.4
4-Chloro-3-methylphenol	ND	9.4
2-Methylnaphthalene	10	9.4
Hexachlorocyclopentadiene	ND	47
2,4,6-Trichlorophenol	ND	9.4
2,4,5-Trichlorophenol	ND	9.4
2-Chloronaphthalene	ND	9.4
2-Nitroaniline	ND	47
Dimethylphthalate	ND	9.4
Acenaphthylene	ND	9.4
2,6-Dinitrotoluene	ND	9.4
3-Nitroaniline	ND	47
Acenaphthene	ND	9.4
2,4-Dinitrophenol	ND	47
4-Nitrophenol	ND	47



Semivolatile Organics by GC/MS		
Field ID: T2-W	Sampled:	03/12/99
Lab ID: 138424-003	Received:	03/12/99
Matrix: Water	Extracted:	03/12/99
Batch#: 46773	Analyzed:	03/15/99
Units: ug/L		
Diln Fac: 1		
Analyte	Result	Reporting Limit
Dibenzofuran	ND	9.4
2,4-Dinitrotoluene	ND	9.4
Diethylphthalate	ND	9.4
Fluorene	ND	9.4
4-Chlorophenyl-phenylether	ND	9.4
4-Nitroaniline	ND	47
4,6-Dinitro-2-methylphenol	ND	47
N-Nitrosodiphenylamine	ND	9.4
Azobenzene	ND	9.4
4-Bromophenyl-phenylether	ND	9.4
Hexachlorobenzene	ND	9.4
Pentachlorophenol	ND	47
Phenanthrene	ND	9.4
Anthracene	ND	9.4
Di-n-butylphthalate	ND	9.4
Fluoranthene	ND	9.4
Pyrene	ND	9.4
Butylbenzylphthalate	ND	9.4
3,3'-Dichlorobenzidine	ND	47
Benzo(a)anthracene	ND	9.4
Chrysene	ND	9.4
bis(2-Ethylhexyl)phthalate	ND	9.4
Di-n-octylphthalate	ND	9.4
Benzo(b,k)fluoranthene	ND	9.4
Benzo(a)pyrene	ND	9.4
Indeno(1,2,3-cd)pyrene	ND	9.4
Dibenz(a,h)anthracene	ND	9.4
Benzo(g,h,i)perylene	ND	9.4
Surrogate	Recovery	Recovery Limits
Phenol-d5	74	30-136
2,4,6-Tribromophenol	76	33-140
Nitrobenzene-d5	73	31-140
2-Fluorobiphenyl	63	24-128
Terphenyl-d14	14*	35-116
		16-139

J: Estimated Value
* Values outside of QC limits



Curtis & Tompkins, Ltd. 1

PCBs		
Client: EMCON Project#: 22175-001.003 Location: IKEA Property, Inc.	Analysis Method: EPA 8062 Prep Method: EPA 3550	
Field ID: T2-SW Lab ID: 138424-001 Matrix: Soil Batch#: 46788 Units: ug/Kg Diln Fac: 1	Sampled: 03/12/99 Received: 03/12/99 Extracted: 03/15/99 Analyzed: 03/16/99	
Analyte	Result	Reporting Limit
Aroclor-1016	ND	12
Aroclor-1221	ND	24 - <i>check</i>
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12
Surrogate	Recovery	Recovery Limits
TCMX	89	32-149
Decachlorobiphenyl	76	17-134



Curtis & Tompkins, Ltd. 1

PCBs		14
Client: EMCON Project#: 22175-001.003 Location: IKRA Property, Inc.		Analysis Method: EPA 8082 Prep Method: EPA 3550
Field ID: T2-SE Lab ID: 138424-002 Matrix: Soil Batch#: 46768 Units: ug/Kg Diln Fac: 1		Sampled: 03/12/99 Received: 03/12/99 Extracted: 03/15/99 Analyzed: 03/16/99
Analyte	Result	Reporting Limit
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12
Surrogate	%Recovery	Recovery Limits
TCMX	87	12-148
Decachlorobiphenyl	74	17-134



Curtis & Tompkins, Ltd. 1

PCBs		
Client: EMCON Project#: 22175-001.003 Location: IKEA Property, Inc.	Analysis Method: EPA 8082 Prep Method: EPA 3520	
Field ID: T2-W Lab ID: 138424-003 Matrix: Water Batch#: 46772 Units: ug/L Diln Fac: 1	Sampled: 03/12/99 Received: 03/12/99 Extracted: 03/12/99 Analyzed: 03/16/99	
Analyte	Result	Reporting Limit
Aroclor-1016	ND	0.47
Aroclor-1221	ND	0.94
Aroclor-1232	ND	0.47
Aroclor-1242	ND	0.47
Aroclor-1248	ND	0.47
Aroclor-1254	ND	0.47
Aroclor-1260	ND	0.47
Surrogate	%Recovery	Recovery Limits
TCMX	50	10-129
Decachlorobiphenyl	42	15-138

14



Curtis & Tonpkins, Ltd. 1

TVH-Total Volatile Hydrocarbons	
Client: EMCON Project#: 22175-001.003 Location: IKEA Property, Inc.	Analysis Method: EPA 8015M Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
138424-001	T2-SW	46770	03/12/99	03/13/99	03/13/99	
138424-002	T2-SR	46770	03/12/99	03/13/99	03/13/99	

Matrix: Soil

Analyte	Units	138424-001	138424-002
Diln Fac:		1	1
Gasoline C7-C12	wg/Kg	<1	<1
Surrogate			
Trifluorotoluene	REC	88	93
Bromofluorobenzene	REC	112	85



Curtis & Tompkins, Inc. 1

BTXE	
Client: EMCON Project#: 22175-001.003 Location: IKEA Property, Inc.	Analysis Method: EPA 8021B Prep Method: EPA 8030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
138424-001	T2-SW	46770	03/12/99	03/13/99	03/13/99	
138424-002	T2-SE	46770	03/12/99	03/13/99	03/13/99	

Matrix: Soil

Analyte	Units	138424-001	138424-002
Diln Fac:		1	1
MTBE	ug/Kg	<20	<20
Benzene	ug/Kg	<5	<5
Toluene	ug/Kg	<5	<5
Ethylbenzene	ug/Kg	<5	<5
m,p-Xylenes	ug/Kg	<5	<5
o-Xylene	ug/Kg	<5	<5
Surrogate			
Trifluorotoluene	%REC	104	104
Bromofluorobenzene	%REC	101	101



Curtis & Tompkins, Ltd.
Page 1 of 1

TVB-Total Volatile Hydrocarbons	
Client: EMCON Project#: 22175-001.003 Location: IKEA Property, Inc.	Analysis Method: EPA 8015M Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
138424-003	T2-W	46766	03/12/99	03/13/99	03/13/99	

Matrix: Water

Analyte	Units	138424-003
Diln Fac:		1
Gasoline C7-C12	ug/L	120
Surrogate		
Trifluorotoluene	µREC	97
Bromofluorobenzene	µREC	97



Curtis & Tompkins, Ltd.
Page 1 of 1

BTXE	
Client: EMCON Project#: 22175-001.003 Location: IKEA Property, Inc.	Analysis Method: EPA 8021B Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
138424-003	T2-W	46766	03/12/99	03/13/99	03/13/99	

Matrix: Water

Analyte	Units	138424-003
Diln Fac:		1
MTBE	ug/L	<2
Benzene	ug/L	<0.5
Toluene	ug/L	0.89
Ethylbenzene	ug/L	0.65
m,p-Xylenes	ug/L	2.1
o-Xylene	ug/L	2.3
Surrogate		
Trifluorotoluene	%REC	91
Bromofluorobenzene	%REC	95



Curtis & Tompkins, Ltd. 1

TGH-Tot Exp Hydrocarbons	
Client: EMCON Project#: 22175-001.003 Location: IKEA Property, Inc.	Analysis Method: EPA 8015M Prep Method: CA LUFT

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
138424-001	T2-SW	46765	03/12/99	03/12/99	03/13/99	
138424-002	T2-SE	46765	03/12/99	03/12/99	03/13/99	

Matrix: Soil

Analyte	Units	138424-001	138424-002
Diln Fac:		1	1
Diesel C10-C24	ng/Kg	18 YE	2.5YH
Surrogate			
Hexacosane	AREC	96	94

Y: Sample exhibits fuel pattern which does not resemble standard
 H: Heavier hydrocarbons than indicated standard



Curtis & Tompkins, Ltd.
Page 1 of 1

TEH-Tot Ext Hydrocarbons	
Client: EMCON	Analysis Method: EPA 8015M
Project#: 22175-001.003	Prep Method: EPA 3520
Location: IKEA Property, Inc.	

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
138424-003	T2-W	46774	03/12/99	03/12/99	03/15/99	

Matrix: Water

Analyte	Units	138424-003
Diln Fac:		1
Diesel C10-C24	ug/L	2800 YH
Surrogate		
Hexacosane	ug/L	79

Y: Sample exhibits fuel pattern which does not resemble standard
H: Heavier hydrocarbons than indicated standard

CLIENT: EMCON
PROJECT ID: 22175-D-03
LOCATION: IKEA Properties, Inc.
MATRIX: Soil

DATE REPORTED: 03/16/99

Metals Analytical Report

Lead

Sample ID	Lab ID	Sample Date	Receive Date	Result (mg/Kg)	Reporting Limit (mg/Kg)	IDF	QC Batch	Method	Analysis Date
T2-SW	13B424-001	03/12/99	03/12/99	3.5	0.14	1	46764	EPA 6010A	03/16/9
T2-SE	13B424-002	03/12/99	03/12/99	7.1	0.15	1	46764	EPA 6010A	03/16/9

HR 16 '99 17:50 TO-1816283341

FROM-CURTIS & TOMPKINS



Curtis & Tompkins Ltd

T-365 P.24/25 F-382

510 537 2000713/20

EMCON SACRAMENTO

3-17-99 1:14PM

SENT BY:EMCON



Curtis & Tompkins, Ltd.

DATE SAMPLED: 03/12/99
DATE RECEIVED: 03/12/99
DATE REPORTED: 03/16/99

SAMPLE ID: T2-W
LAB ID: 138424-003
CLIENT: EMCON
PROJECT ID: 22178-001,003
LOCATION: IKEA Property, Inc.
MATRIX: Water

Metals Analytical Report

Compound	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
Lead	330	3.0	1	46799	EPA 6010A	03/16/99