

EMTEQUE CORPORATION

Client Sample ID: D-5-06

Trace Level Organic Compounds

Lot-Sample #....: G1J260165-003 Work Order #....: EMVJ51AA Matrix.....: SOLID
 Date Sampled....: 10/25/01 Date Received...: 10/26/01
 Prep Date.....: 10/26/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1299419

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	150		pg/g	SW846 8290
Total TCDD	36000		pg/g	SW846 8290
1,2,3,7,8-PeCDD	330		pg/g	SW846 8290
Total PeCDD	19000		pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	230		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	360		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	380		pg/g	SW846 8290
Total HxCDD	14000		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	1600		pg/g	SW846 8290
Total HpCDD	3600		pg/g	SW846 8290
OCDD	3600		pg/g	SW846 8290
2,3,7,8-TCDF	560 CON		pg/g	SW846 8290
Total TCDF	28000		pg/g	SW846 8290
1,2,3,7,8-PeCDF	910		pg/g	SW846 8290
2,3,4,7,8-PeCDF	1100		pg/g	SW846 8290
Total PeCDF	14000		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	710		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	590		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	580		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	64		pg/g	SW846 8290
Total HxCDF	5900		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	160		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	250		pg/g	SW846 8290
Total HpCDF	2800		pg/g	SW846 8290
OCDF	900		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	85	(40 - 135)
13C-1,2,3,7,8-PeCDD	76	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	77	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	93	(40 - 135)
13C-OCDD	95	(40 - 135)
13C-2,3,7,8-TCDF	91	(40 - 135)
13C-1,2,3,7,8-PeCDF	78	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	82	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	91	(40 - 135)

NOTE(S) :

CON Confirmation analysis.

QC DATA ASSOCIATION SUMMARY

G1J260165

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WIPE	SW846 8290		1299507	
002	WIPE	SW846 8290		1299507	
003	SOLID	SW846 8290		1299419	
004	WIPE	SW846 8290		1299507	
005	WIPE	SW846 8290		1299507	
006	WIPE	SW846 8290		1299507	
007	WIPE	SW846 8290		1299507	
008	WIPE	SW846 8290		1299507	
009	WIPE	SW846 8290		1299507	
010	WIPE	SW846 8290		1299507	
011	WIPE	SW846 8290		1299507	
012	WIPE	SW846 8290		1299507	
013	WIPE	SW846 8290		1299507	
014	WIPE	SW846 8290		1299507	
015	WIPE	SW846 8290		1299507	
016	WIPE	SW846 8290		1299507	
017	WIPE	SW846 8290		1299507	
018	WIPE	SW846 8290		1299507	
019	WIPE	SW846 8290		1299507	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #....: G1J260165
 MB Lot-Sample #: G1J260000-419

Work Order #....: EMWDK1AA

Matrix.....: SOLID

Analysis Date...: 10/27/01
 Dilution Factor: 1

Prep Date.....: 10/26/01
 Prep Batch #....: 1299419

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.38	pg/g	SW846 8290
Total TCDD	ND	0.38	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.70	pg/g	SW846 8290
Total PeCDD	ND	0.70	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.25	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.24	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.23	pg/g	SW846 8290
Total HxCDD	ND	0.25	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	0.20	pg/g	SW846 8290
Total HpCDD	ND	0.20	pg/g	SW846 8290
OCDD	ND	0.39	pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.47	pg/g	SW846 8290
Total TCDF	ND	0.47	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.37	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.37	pg/g	SW846 8290
Total PeCDF	ND	0.59	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.17	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.16	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.18	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.19	pg/g	SW846 8290
Total HxCDF	ND	0.19	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	0.20	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.24	pg/g	SW846 8290
Total HpCDF	ND	0.24	pg/g	SW846 8290
OCDF	ND	0.50	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	86	(40 - 135)
13C-1,2,3,7,8-PeCDD	77	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	71	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
13C-OCDD	95	(40 - 135)
13C-2,3,7,8-TCDF	80	(40 - 135)
13C-1,2,3,7,8-PeCDF	75	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	77	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	93	(40 - 135)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G1J260165 Work Order #...: EMWDK1AC Matrix.....: SOLID
 ICS Lot-Sample#: G1J260000-419
 Prep Date.....: 10/26/01 Analysis Date...: 10/28/01
 Prep Batch #...: 1299419
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,3,7,8-TCDD	20.0	17.3	pg/g	87	SW846 8290
1,2,3,7,8-PeCDD	100	86.3	pg/g	86	SW846 8290
1,2,3,4,7,8-HxCDD	100	105	pg/g	105	SW846 8290
1,2,3,6,7,8-HxCDD	100	91.6	pg/g	92	SW846 8290
1,2,3,7,8,9-HxCDD	100	99.5	pg/g	100	SW846 8290
1,2,3,4,6,7,8-HpCDD	100	88.7	pg/g	89	SW846 8290
OCDD	200	187	pg/g	93	SW846 8290
2,3,7,8-TCDF	20.0	18.3	pg/g	91	SW846 8290
1,2,3,7,8-PeCDF	100	88.6	pg/g	89	SW846 8290
2,3,4,7,8-PeCDF	100	87.4	pg/g	87	SW846 8290
1,2,3,4,7,8-HxCDF	100	86.4	pg/g	86	SW846 8290
1,2,3,6,7,8-HxCDF	100	88.9	pg/g	89	SW846 8290
2,3,4,6,7,8-HxCDF	100	95.2	pg/g	95	SW846 8290
1,2,3,7,8,9-HxCDF	100	90.9	pg/g	91	SW846 8290
1,2,3,4,6,7,8-HpCDF	100	85.2	pg/g	85	SW846 8290
1,2,3,4,7,8,9-HpCDF	100	88.0	pg/g	88	SW846 8290
OCDF	200	185	pg/g	93	SW846 8290

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	82	(40 - 135)
13C-1,2,3,7,8-PeCDD	84	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	76	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	96	(40 - 135)
13C-OCDD	95	(40 - 135)
13C-2,3,7,8-TCDF	84	(40 - 135)
13C-1,2,3,7,8-PeCDF	82	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	84	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	97	(40 - 135)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #....: G1J260165 Work Order #....: EMWDK1AC Matrix.....: SOLID
 LCS Lot-Sample#: G1J260000-419
 Prep Date.....: 10/26/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1299419
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,3,7,8-TCDD	87	(60 - 141)	SW846 8290
1,2,3,7,8-PeCDD	86	(65 - 140)	SW846 8290
1,2,3,4,7,8-HxCDD	105	(52 - 152)	SW846 8290
1,2,3,6,7,8-HxCDD	92	(62 - 138)	SW846 8290
1,2,3,7,8,9-HxCDD	100	(58 - 147)	SW846 8290
1,2,3,4,6,7,8-HpCDD	89	(65 - 137)	SW846 8290
OCDD	93	(64 - 143)	SW846 8290
2,3,7,8-TCDF	91	(59 - 140)	SW846 8290
1,2,3,7,8-PeCDF	89	(64 - 140)	SW846 8290
2,3,4,7,8-PeCDF	87	(61 - 141)	SW846 8290
1,2,3,4,7,8-HxCDF	86	(66 - 137)	SW846 8290
1,2,3,6,7,8-HxCDF	89	(60 - 138)	SW846 8290
2,3,4,6,7,8-HxCDF	95	(65 - 148)	SW846 8290
1,2,3,7,8,9-HxCDF	91	(59 - 146)	SW846 8290
1,2,3,4,6,7,8-HpCDF	85	(64 - 138)	SW846 8290
1,2,3,4,7,8,9-HpCDF	88	(58 - 145)	SW846 8290
OCDF	93	(58 - 145)	SW846 8290

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	82	(40 - 135)
13C-1,2,3,7,8-PeCDD	84	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	76	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	96	(40 - 135)
13C-OCDD	95	(40 - 135)
13C-2,3,7,8-TCDF	84	(40 - 135)
13C-1,2,3,7,8-PeCDF	82	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	84	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	97	(40 - 135)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters