ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-5-PROBE 11-A-329

GC/MS Volatiles

Lot-Sample #...: E3B040291-004 Work Order #...: FG4892AE Matrix.....: AIR
Date Sampled...: 01/31/03 Date Received..: 02/04/03
Prep Date.....: 02/12/03 Analysis Date..: 02/12/03
Prep Batch #...: 3043405
Dilution Factor: 47.31
Analyst ID.....: 117751 Instrument ID..: MSA
Method.....: EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	8600	95	ppb(v/v)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-5-PROBE 11-A-329

GC Volatiles

Lot-Sample #...: E3B040291-004 Work Order #...: FG4891AD Matrix.....: AIR
Date Sampled...: 01/31/03 Date Received..: 02/04/03
Prep Date.....: 02/07/03 Analysis Date..: 02/07/03
Prep Batch #...: 3038285
Dilution Factor: 1.9
Analyst ID.....: 101605 Instrument ID..: GC3
Method.....: ASTM D1946

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Carbon dioxide	20	0.019	%(v/v)
Oxygen	1.4	0.19	%(v/v)
Nitrogen	61	1.9	%(v/v)
Methane	19	0.00038	%(v/v)
Carbon monoxide	ND	0.0019	%(v/v)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-3-GW-8d-02706

GC/MS Volatiles

Lot-Sample #...: E3B040291-005 Work Order #...: FG49C1AE Matrix.....: AIR
Date Sampled...: 01/31/03 Date Received..: 02/04/03
Prep Date.....: 02/10/03 Analysis Date..: 02/10/03
Prep Batch #...: 3042397
Dilution Factor: 6.43
Analyst ID.....: 117751 Instrument ID..: MSA
Method.....: EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**190**	**64**	**ppb(v/v)**
Benzene	**68**	**13**	**ppb(v/v)**
Benzyl chloride	ND	64	ppb(v/v)
Bromodichloromethane	ND	13	ppb(v/v)
Bromoform	ND	13	ppb(v/v)
Bromomethane	ND	13	ppb(v/v)
2-Butanone (MEK)	ND	64	ppb(v/v)
Carbon disulfide	ND	64	ppb(v/v)
Carbon tetrachloride	ND	13	ppb(v/v)
Chlorobenzene	**30**	**13**	**ppb(v/v)**
Dibromochloromethane	ND	13	ppb(v/v)
Chloroethane	ND	26	ppb(v/v)
Chloroform	ND	13	ppb(v/v)
Chloromethane	ND	26	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	13	ppb(v/v)
1,2-Dichlorobenzene	ND	13	ppb(v/v)
1,3-Dichlorobenzene	ND	13	ppb(v/v)
1,4-Dichlorobenzene	**130**	**13**	**ppb(v/v)**
Dichlorodifluoromethane	**1600**	**13**	**ppb(v/v)**
1,1-Dichloroethane	ND	13	ppb(v/v)
1,2-Dichloroethane	ND	13	ppb(v/v)
cis-1,2-Dichloroethene	**66**	**13**	**ppb(v/v)**
trans-1,2-Dichloroethene	ND	13	ppb(v/v)
1,1-Dichloroethene	ND	13	ppb(v/v)
1,2-Dichloropropane	ND	13	ppb(v/v)
cis-1,3-Dichloropropene	ND	13	ppb(v/v)
trans-1,3-Dichloropropene	ND	13	ppb(v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	**530**	**13**	**ppb(v/v)**
Ethylbenzene	**1000**	**13**	**ppb(v/v)**
4-Ethyltoluene	**340**	**13**	**ppb(v/v)**
Hexachlorobutadiene	ND	26	ppb(v/v)
2-Hexanone	ND	64	ppb(v/v)
Methylene chloride	**19**	**13**	**ppb(v/v)**
4-Methyl-2-pentanone (MIBK)	ND	64	ppb(v/v)
Styrene	ND	13	ppb(v/v)

(Continued on next page)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-3-GW-8d-02706

GC/MS Volatiles

Lot-Sample #...: E3B040291-005 Work Order #...: FG49C1AE Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	13	ppb(v/v)
Tetrachloroethene	**45**	**13**	**ppb(v/v)**
Toluene	**900**	**13**	**ppb(v/v)**
1,2,4-Trichloro-benzene	ND	32	ppb(v/v)
1,1,1-Trichloroethane	ND	13	ppb(v/v)
1,1,2-Trichloroethane	ND	13	ppb(v/v)
Trichloroethene	**73**	**13**	**ppb(v/v)**
Trichlorofluoromethane	ND	13	ppb(v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	13	ppb(v/v)
1,2,4-Trimethylbenzene	**420**	**13**	**ppb(v/v)**
1,3,5-Trimethylbenzene	**170**	**13**	**ppb(v/v)**
Vinyl acetate	ND	64	ppb(v/v)
Vinyl chloride	**230**	**13**	**ppb(v/v)**
Xylenes (total)	**1900**	**13**	**ppb(v/v)**

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-3-GW-8d-02706

GC Volatiles

Lot-Sample #...:	E3B040291-005	Work Order #...:	FG49C1AD	Matrix.....:	AIR
Date Sampled...:	01/31/03	Date Received..:	02/04/03		
Prep Date.....:	02/07/03	Analysis Date..:	02/07/03		
Prep Batch #...:	3038285				
Dilution Factor:	1.92				
Analyst ID.....:	101605	Instrument ID..:	GC3		
		Method.....:	ASTM D1946		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Carbon dioxide	32	0.019	%(v/v)
Oxygen	1.4	0.19	%(v/v)
Nitrogen	25	1.9	%(v/v)
Methane	43	0.00038	%(v/v)
Carbon monoxide	ND	0.0019	%(v/v)

SEVERN TRENT STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E3B040291

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AIR	EPA-2 TO-15		3043271	
	AIR	ASTM D1946		3038285	
002	AIR	EPA-2 TO-15		3043271	
	AIR	ASTM D1946		3038285	
003	AIR	EPA-2 TO-15		3042397	
	AIR	ASTM D1946		3038285	
004	AIR	EPA-2 TO-15		3042397	
	AIR	EPA-2 TO-15		3043405	
	AIR	ASTM D1946		3038285	
005	AIR	EPA-2 TO-15		3042397	
	AIR	ASTM D1946		3038285	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E3B040291
MB Lot-Sample #: M3B110000-397

Work Order #...: FHFD41AA

Matrix.....: AIR

Prep Date.....: 02/10/03

Instrument ID..: MSA

Analysis Date..: 02/10/03
Dilution Factor: 1

Prep Batch #...: 3042397

Analyst ID.....: 117751

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ppb(v/v)	EPA-2 TO-15
Benzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Benzyl chloride	ND	10	ppb(v/v)	EPA-2 TO-15
Bromodichloromethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Bromoform	ND	2.0	ppb(v/v)	EPA-2 TO-15
Bromomethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
2-Butanone (MEK)	ND	10	ppb(v/v)	EPA-2 TO-15
Carbon disulfide	ND	10	ppb(v/v)	EPA-2 TO-15
Carbon tetrachloride	ND	2.0	ppb(v/v)	EPA-2 TO-15
Chlorobenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Dibromochloromethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Chloroethane	ND	4.0	ppb(v/v)	EPA-2 TO-15
Chloroform	ND	2.0	ppb(v/v)	EPA-2 TO-15
Chloromethane	ND	4.0	ppb(v/v)	EPA-2 TO-15
1,2-Dibromoethane (EDB)	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,2-Dichlorobenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,3-Dichlorobenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,4-Dichlorobenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Dichlorodifluoromethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,2-Dichloroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-2 TO-15
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,2-Dichloropropane	ND	2.0	ppb(v/v)	EPA-2 TO-15
cis-1,3-Dichloropropene	ND	2.0	ppb(v/v)	EPA-2 TO-15
trans-1,3-Dichloropropene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Ethylbenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
4-Ethyltoluene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Hexachlorobutadiene	ND	4.0	ppb(v/v)	EPA-2 TO-15
2-Hexanone	ND	10	ppb(v/v)	EPA-2 TO-15
Methylene chloride	ND	2.0	ppb(v/v)	EPA-2 TO-15
4-Methyl-2-pentanone (MIBK)	ND	10	ppb(v/v)	EPA-2 TO-15
Styrene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Tetrachloroethene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Toluene	ND	2.0	ppb(v/v)	EPA-2 TO-15

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E3B040291 Work Order #...: FHFD41AA Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	ND	5.0	ppb(v/v)	EPA-2 TO-15
1,1,1-Trichloroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,1,2-Trichloroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Trichloroethene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Trichlorofluoromethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,2,4-Trimethylbenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,3,5-Trimethylbenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Vinyl acetate	ND	10	ppb(v/v)	EPA-2 TO-15
Vinyl chloride	ND	2.0	ppb(v/v)	EPA-2 TO-15
Xylenes (total)	ND	2.0	ppb(v/v)	EPA-2 TO-15

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E3B040291
MB Lot-Sample #: M3B120000-271

Analysis Date..: 02/11/03
Dilution Factor: 1

Work Order #...: FHGN51AA

Prep Date.....: 02/11/03
Prep Batch #...: 3043271

Analyst ID.....: 341569

Matrix.....: AIR

Instrument ID..: MSC

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	0.80	ppb(v/v)	EPA-2 TO-15
Benzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Benzyl chloride	ND	0.40	ppb(v/v)	EPA-2 TO-15
Bromodichloromethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Bromoform	ND	0.20	ppb(v/v)	EPA-2 TO-15
Bromomethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
2-Butanone (MEK)	ND	1.0	ppb(v/v)	EPA-2 TO-15
Carbon disulfide	ND	1.0	ppb(v/v)	EPA-2 TO-15
Carbon tetrachloride	ND	0.20	ppb(v/v)	EPA-2 TO-15
Chlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Dibromochloromethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Chloroethane	ND	0.40	ppb(v/v)	EPA-2 TO-15
Chloroform	ND	0.20	ppb(v/v)	EPA-2 TO-15
Chloromethane	ND	0.40	ppb(v/v)	EPA-2 TO-15
1,2-Dibromoethane (EDB)	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,3-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,4-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Dichlorodifluoromethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
cis-1,2-Dichloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
trans-1,2-Dichloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichloropropane	ND	0.20	ppb(v/v)	EPA-2 TO-15
cis-1,3-Dichloropropene	ND	0.20	ppb(v/v)	EPA-2 TO-15
trans-1,3-Dichloropropene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Ethylbenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
4-Ethyltoluene	ND	0.40	ppb(v/v)	EPA-2 TO-15
Hexachlorobutadiene	ND	0.40	ppb(v/v)	EPA-2 TO-15
2-Hexanone	ND	0.40	ppb(v/v)	EPA-2 TO-15
Methylene chloride	ND	0.20	ppb(v/v)	EPA-2 TO-15
4-Methyl-2-pentanone (MIBK)	ND	0.40	ppb(v/v)	EPA-2 TO-15
Styrene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Tetrachloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Toluene	ND	0.30	ppb(v/v)	EPA-2 TO-15

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E3B040291 Work Order #...: FHGN51AA Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	ND	0.80	ppb(v/v)	EPA-2 TO-15
1,1,1-Trichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1,2-Trichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Trichloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Trichlorofluoromethane	ND	0.40	ppb(v/v)	EPA-2 TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.40	ppb(v/v)	EPA-2 TO-15
1,2,4-Trimethylbenzene	ND	0.40	ppb(v/v)	EPA-2 TO-15
1,3,5-Trimethylbenzene	ND	0.40	ppb(v/v)	EPA-2 TO-15
Vinyl acetate	ND	1.0	ppb(v/v)	EPA-2 TO-15
Vinyl chloride	ND	0.20	ppb(v/v)	EPA-2 TO-15
Xylenes (total)	ND	0.50	ppb(v/v)	EPA-2 TO-15

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E3B040291
MB Lot-Sample #: M3B120000-405

Analysis Date..: 02/12/03
Dilution Factor: 1

Work Order #...: FHHHX1AA

Prep Date.....: 02/12/03
Prep Batch #...: 3043405

Analyst ID.....: 117751

Matrix.....: AIR

Instrument ID..: MSA

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	2.0	ppb(v/v)	EPA-2 TO-15

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E3B040291
MB Lot-Sample #: M3B070000-285

Analysis Date..: 02/06/03
Dilution Factor: 1

Work Order #...: FHA2Q1AA

Prep Date.....: 02/06/03
Prep Batch #...: 3038285

Analyst ID.....: 101605

Matrix.....: AIR

Instrument ID..: GC3

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Carbon dioxide	ND	0.010	%(v/v)	ASTM D1946
Oxygen	ND	0.10	%(v/v)	ASTM D1946
Nitrogen	ND	1.0	%(v/v)	ASTM D1946
Methane	ND	0.00020	%(v/v)	ASTM D1946
Carbon monoxide	ND	0.0010	%(v/v)	ASTM D1946

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E3B040291 Work Order #...: FHFD41AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M3B110000-397 FHFD41AD-LCSD
Prep Date.....: 02/10/03 Analysis Date..: 02/10/03
Prep Batch #...: 3042397
Dilution Factor: 1 Instrument ID..: MSA
Analyst ID.....: 117751

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	101	(70 - 125)			EPA-2 TO-15
	100	(70 - 125)	0.70	(0-20)	EPA-2 TO-15
Methylene chloride	83	(75 - 120)			EPA-2 TO-15
	84	(75 - 120)	0.38	(0-20)	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	80	(65 - 130)			EPA-2 TO-15
	80	(65 - 130)	0.88	(0-20)	EPA-2 TO-15
Toluene	88	(75 - 125)			EPA-2 TO-15
	89	(75 - 125)	0.97	(0-20)	EPA-2 TO-15
Trichloroethene	87	(70 - 125)			EPA-2 TO-15
	87	(70 - 125)	0.42	(0-20)	EPA-2 TO-15

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E3B040291 Work Order #...: FHFD41AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M3B110000-397 FHFD41AD-LCSD
Prep Date.....: 02/10/03 Analysis Date..: 02/10/03
Prep Batch #...: 3042397
Dilution Factor: 1 Instrument ID..: MSA
Analyst ID.....: 117751

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	59.2	59.8	ppb(v/v)	101		EPA-2 TO-15
	59.2	59.4	ppb(v/v)	100	0.70	EPA-2 TO-15
Methylene chloride	58.7	48.9	ppb(v/v)	83		EPA-2 TO-15
	58.7	49.1	ppb(v/v)	84	0.38	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	55.4	44.1	ppb(v/v)	80		EPA-2 TO-15
	55.4	44.5	ppb(v/v)	80	0.88	EPA-2 TO-15
Toluene	55.7	49.2	ppb(v/v)	88		EPA-2 TO-15
	55.7	49.6	ppb(v/v)	89	0.97	EPA-2 TO-15
Trichloroethene	59.4	51.9	ppb(v/v)	87		EPA-2 TO-15
	59.4	51.7	ppb(v/v)	87	0.42	EPA-2 TO-15

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

GC/MS Volatiles

Client Lot #...: E3B040291 Work Order #...: FHGN51AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M3B120000-271 FHGN51AD-LCSD
Prep Date.....: 02/11/03 Analysis Date..: 02/11/03
Prep Batch #...: 3043271
Dilution Factor: 1 Instrument ID..: MSC
Analyst ID.....: 341569

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	104	(75 - 135)			EPA-2 TO-15
	106	(75 - 135)	2.0	(0-20)	EPA-2 TO-15
Methylene chloride	93	(75 - 125)			EPA-2 TO-15
	95	(75 - 125)	2.7	(0-20)	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	91	(60 - 130)			EPA-2 TO-15
	90	(60 - 130)	0.38	(0-20)	EPA-2 TO-15
Toluene	89	(75 - 125)			EPA-2 TO-15
	93	(75 - 125)	4.3	(0-20)	EPA-2 TO-15
Trichloroethene	106	(75 - 130)			EPA-2 TO-15
	106	(75 - 130)	0.75	(0-20)	EPA-2 TO-15

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E3B040291 Work Order #...: FHGN51AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M3B120000-271 FHGN51AD-LCSD
Prep Date.....: 02/11/03 Analysis Date..: 02/11/03
Prep Batch #...: 3043271
Dilution Factor: 1 Instrument ID..: MSC
Analyst ID.....: 341569

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	10.4	ppb(v/v)	104		EPA-2 TO-15
	10.0	10.6	ppb(v/v)	106	2.0	EPA-2 TO-15
Methylene chloride	10.0	9.25	ppb(v/v)	93		EPA-2 TO-15
	10.0	9.51	ppb(v/v)	95	2.7	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	10.0	9.06	ppb(v/v)	91		EPA-2 TO-15
	10.0	9.03	ppb(v/v)	90	0.38	EPA-2 TO-15
Toluene	10.0	8.89	ppb(v/v)	89		EPA-2 TO-15
	10.0	9.28	ppb(v/v)	93	4.3	EPA-2 TO-15
Trichloroethene	10.0	10.6	ppb(v/v)	106		EPA-2 TO-15
	10.0	10.6	ppb(v/v)	106	0.75	EPA-2 TO-15

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

GC/MS Volatiles

Client Lot #...: E3B040291 Work Order #...: FHHHX1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M3B120000-405 FHHHX1AD-LCSD
Prep Date.....: 02/12/03 Analysis Date..: 02/12/03
Prep Batch #...: 3043405
Dilution Factor: 1 Instrument ID..: MSA
Analyst ID.....: 117751

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	100	(70 - 125)			EPA-2 TO-15
	100	(70 - 125)	0.20	(0-20)	EPA-2 TO-15
Methylene chloride	83	(75 - 120)			EPA-2 TO-15
	83	(75 - 120)	0.41	(0-20)	EPA-2 TO-15
Trichloroethene	88	(70 - 125)			EPA-2 TO-15
	87	(70 - 125)	1.1	(0-20)	EPA-2 TO-15
Toluene	90	(75 - 125)			EPA-2 TO-15
	90	(75 - 125)	0.14	(0-20)	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	78	(65 - 130)			EPA-2 TO-15
	80	(65 - 130)	2.4	(0-20)	EPA-2 TO-15

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E3B040291 Work Order #...: FHHHX1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M3B120000-405 FHHHX1AD-LCSD
Prep Date.....: 02/12/03 Analysis Date..: 02/12/03
Prep Batch #...: 3043405
Dilution Factor: 1 Instrument ID..: MSA
Analyst ID.....: 117751

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	59.1	59.0	ppb(v/v)	100		EPA-2 TO-15
	59.1	59.1	ppb(v/v)	100	0.20	EPA-2 TO-15
Methylene chloride	58.7	48.7	ppb(v/v)	83		EPA-2 TO-15
	58.7	48.9	ppb(v/v)	83	0.41	EPA-2 TO-15
Trichloroethene	59.5	52.2	ppb(v/v)	88		EPA-2 TO-15
	59.5	51.6	ppb(v/v)	87	1.1	EPA-2 TO-15
Toluene	55.7	50.0	ppb(v/v)	90		EPA-2 TO-15
	55.7	50.1	ppb(v/v)	90	0.14	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	55.4	43.1	ppb(v/v)	78		EPA-2 TO-15
	55.4	44.2	ppb(v/v)	80	2.4	EPA-2 TO-15

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

GC Volatiles

Client Lot #...: E3B040291 Work Order #...: FHA2Q1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M3B070000-285 FHA2Q1AD-LCSD
Prep Date.....: 02/06/03 Analysis Date..: 02/06/03
Prep Batch #...: 3038285
Dilution Factor: 1 Instrument ID..: GC3
Analyst ID.....: 101605

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Carbon dioxide	100	(75 - 125)			ASTM D1946
	100	(75 - 125)	0.090	(0-20)	ASTM D1946
Methane	96	(75 - 135)			ASTM D1946
	96	(75 - 135)	0.070	(0-20)	ASTM D1946

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E3B040291 Work Order #...: FHA2Q1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M3B070000-285 FHA2Q1AD-LCSD
Prep Date.....: 02/06/03 Analysis Date..: 02/06/03
Prep Batch #...: 3038285
Dilution Factor: 1 Instrument ID..: GC3
Analyst ID.....: 101605

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Carbon dioxide	1.00	1.00	%(v/v)	100		ASTM D1946
	1.00	1.00	%(v/v)	100	0.090	ASTM D1946
Methane	0.0500	0.0479	%(v/v)	96		ASTM D1946
	0.0500	0.0478	%(v/v)	96	0.070	ASTM D1946

NOTE(S):

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

Bold print denotes control parameters

CHAIN-OF-CUSTODY RECORD

EnviroMatrix Analytical, Inc.
4340 Viewridge Ave., Ste. A • San Diego, CA 92123 • Phone (858) 560-7717 • Fax (858) 560-7763

PTAS LOG #: 0301250

PTAS DATE/TIME STAMP

Client: City of San Diego
Address: 7601 Ridgehaven Ct. Ste 310
San Diego, CA 92123
Attn: G. Martin Phone: 858-492-5035
Sampled by: Morton/Humphrey Fax: 5041
Billing Address: same as above
Project: Arizona St. EMP-gas PO #:

REQUESTED ANALYSIS

PTAS ID #	Client Sample ID	Sample Date	Sample Time	Sample Matrix	Container(s) #	Container(s) Type*	418.1 (TRPH)	Oil & Grease 413.1 ___ 413.2 ___	TPH (8015B) Gas ___ Diesel ___	TPH-Extended 8015B ___ ASTM D2887 ___	602 / 8020 BTXE ___ MTBE ___	601 / 8010 (Purgeable Halocarbons)	608 / 8081 (Pesticides)	608 / 8082 (PCB's)	624 / 8260 (Volatile Organics)	625 / 8270 (Semi Volatile Organics)	TTLC Metals (CAC Title 22)	STLC Metals (CAC Title 22)	TCLP (RCRA) Metals ___ Organics ___	Cd Cr Cu Pb Ni Ag Zn	pH EC TSS	[illegible]						
1	AMW-4-100'-064592	1/31/07	10:30	Gas	1	Gas																X						
2	AMW-2-water-9018	"	11:10	"	1	"																X						
3	AMW-1-probe-92724	"	11:16	"	1	"																X						
4	AMW-5 probe 11-A-529	"	11:14	"	1	"																X						
5	AMW-2-GW-9.4-102706	↓	12:40	↓	1	↓																X						
6																												
7																												
8																												
9																												
10																												

*Container Types: B=Brass Tube; V=VOA; G=Glass; P=Plastic; O=Other (list)

Tamper-Proof Seals Intact: Yes No N/A Correct Containers: Yes No
Sample(s): Cold Ambient Warm VOAs w/ZHS: Yes No N/A
All Samples Properly Preserved: Yes No N/A
Disposal: N/C (aqueous) *PTAS (@$5.00/sample) Return Hold
Turnaround Time: 24 hr 48 hr 3 day 4 day 5 day Normal
Comments: [illegible]

RELINQUISHED BY	DATE/TIME	RECEIVED BY
Signature [illegible]	1/31/07 12:34	Signature [illegible]
Print George K Martin		Print [illegible]
Company: City of San Diego		Company: City of San Diego
Signature [illegible]	1/31/07 13:50	Signature [illegible]
Print [illegible]		Print [illegible]
Company: City of San Diego		Company: EMA
Signature		Signature
Print		Print
Company:		Company:

S rese e righ m sa lual dc itch o e prot · PT · Acc · Chain/Report Goldenrod - Client (Relinquish Samples)

EnviroMatrix Analytical, Inc.

27 June, 2003

City of San Diego.
Attn: George Morton
9601 Ridghaven Ct., Suite #310
San Diego, California 92123

EMA Log #.: 0306083

Project Name: Arizona St. LF EMP

Enclosed with this letter are the test results performed by subcontract laboratory for the following analyses:

- ASTM-D1946
- TO-15

The samples were received by EnviroMatrix Analytical, Inc. intact and with chain-of-custody documentation. The test results and pertinent quality assurance/quality control data are listed on the attached tables.

I certify that this data report is in compliance both technically and for completeness. Release of the data contained in this hard copy data report has been authorized by the following signature.

Janis Columbo
Vice President/Laboratory Director

4340 Viewridge Avenue, Suite A • San Diego, California 92123 • (858) 560-7717 • Fax (858) 560-7763
Analytical Chemistry Laboratory

SEVERN TRENT STL

June 21, 2003

STL LOT NUMBER: **E3F100269**

Roger Lahr
EnviroMatrix Analytical Inc
4340 Viewridge Avenue
Suite A
San Diego, CA 92123

Dear Mr. Lahr,

This report contains the analytical results for the six samples received under chain of custody by STL Los Angeles on June 10, 2003.

Preliminary results were sent via facsimile on Friday, June 20, 2003.

STL Los Angeles certifies that the test results provided in this report meet all the requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number is 01118CA / E87652.

This report shall not be reproduced except in full, without the written approval of the laboratory.

000057

This report contains _____ pages.

SEVERN TRENT STL

CASE NARRATIVE

All applicable quality control procedures met method-specified acceptance criteria. Any matrix related anomalies are footnoted within the report.

If you have any questions, please feel free to call me at (714) 258-8610.

Sincerely,

Jesse Bacwaden
Project Manager

CC: Project File

E3F100269

SUBCONTRACT ORDER

EnviroMatrix Analytical, Inc.

0306083

P.O.# 3408

SENDING LABORATORY:

EnviroMatrix Analytical, Inc.
4340 Viewridge Ave., Ste. A
San Diego, CA 92123
Phone: (858) 560-7717
Fax: (858) 560-7763
Project Manager: Roger Lahr

RECEIVING LABORATORY:

STL/ Severn Trent Services-Santa Ana
1721 South Grand Avenue
Santa Ana, California 92705
Phone ;(714) 258-8610
Fax: (714) 258-0921

N-TAT 10% discount per Jesse

Reference WO#0306083 in report.

Please sign and fax copy of Subcontract Order back to EnviroMatrix Analytical, Inc.

Analysis		Laboratory ID	Comments
Sample ID: AMW-4-100'-A-299			
Sample Matrix: Air	**Sampled:06/05/03 10:55**		**Pacific**
ASTM-D1946			30
TO-15, VOCs in Air			14
Containers Supplied:			
Summa Canister (A)			
Sample ID: AMW-2-Probe7-0099			
Sample Matrix: Air	**Sampled:06/05/03 13:00**		**Pacific**
ASTM-D1946			30
TO-15, VOCs in Air			14
Containers Supplied:			
Summa Canister (A)			
Sample ID: AMW-1-P15d-93067			
Sample Matrix: Air	**Sampled:06/05/03 13:35**		**Pacific**
ASTM-D1946			30
TO-15, VOCs in Air			14
Containers Supplied:			
Summa Canister (A)			
Sample ID: AMW-5-P11d-GL0003			
Sample Matrix: Air	**Sampled:06/05/03 14:10**		**Pacific**
ASTM-D1946			30
TO-15, VOCs in Air			14
Containers Supplied:			
Summa Canister (A)			
Sample ID: AMW-3-8s-93110			
Sample Matrix: Air	**Sampled:06/05/03 14:40**		**Pacific**
ASTM-D1946			30
TO-15, VOCs in Air			14
Containers Supplied:			
Summa Canister (A)			

Released By	Date	Received By	Date
Adrian Olivares	6/9/03	[illegible]	6/10/03 1030
Released By	Date	Received By	Date

000603

E3F100269

SUBCONTRACT ORDER

EnviroMatrix Analytical, Inc.

0306083

Analysis		Laboratory ID	Comments
Sample ID: AMW-3-8d-0068			
Sample Matrix: Air	Sampled:06/05/03 14:50		Pacific
ASTM-D1946			30
TO-15, VOCs in Air			14
Containers Supplied:			
Summa Canister (A)			

Adrian Olsson — Released By — Date

Received By — 6/10/03 1030 — Date

Released By — Date — Received By — Date

SEVERN TRENT STL

CANISTER FIELD DATA RECORD

CLIENT: ENVIROMATRIX ANALYTICAL INC
CANISTER SERIAL #: A-299
DATE CLEANED: 5-20-03A
CLIENT SAMPLE #: AMW-4-100'
SITE LOCATION: Arizona St. LF

VFR ID: _____
Duration of comp.: _____ hrs. / mins.
Flow setting: _____ ml/min
Initials: _____

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	5-31-03	SL
INITIAL FIELD VACUUM	10:42	29½"	6/5/03	GRM
FINAL FIELD READING	10:55	6"	6/5/03	GRM

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg or PSIA)	10.84	6-10-03	✓
FINAL PRESSURE (PSIA)	24.28	6-11-03	✓

Pressurization Gas: N_2

COMMENTS:

2.2398

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	318 – 333
30 Min.	158 – 166.7
1.	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

N:\COMDOCS\CANISTER FIELD DATA RECORD(012103).doc

SEVERN TRENT STL

CANISTER FIELD DATA RECORD

CLIENT: ENVIROMATRIX ANALYTICAL INC
CANISTER SERIAL #: 0099
DATE CLEANED: 5-20-03A
CLIENT SAMPLE #: AMW-2-150'-probe 7
SITE LOCATION: Arizona St. LF

VFR ID: _____
Duration of comp.: _____ hrs. / mins.
Flow setting: _____ ml/min
Initials: _____

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	5-31-03	SL
INITIAL FIELD VACUUM	12:15	30"	6/5/03	GRM
FINAL FIELD READING	1:05	4"	6/5/03	GRM

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg or PSIA)	12.14	6-11-03	—
FINAL PRESSURE (PSIA)	23.82	6-11-03	—

Pressurization Gas: N_2

COMMENTS:

1.9621

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

N:\CO\DOCS\CANISTER FIELD DATA RECORD(012103).doc

SEVERN TRENT STL

CANISTER FIELD DATA RECORD

CLIENT: ENVIROMATRIX ANALYTICAL INC
CANISTER SERIAL #: 93067
DATE CLEANED: 5-20-03A
CLIENT SAMPLE #: AMW1-probe 15d - 2005.
SITE LOCATION: Arizona LF

VFR ID: _____
Duration of comp.: _____ hrs. / mins:
Flow setting: _____ ml/min
Initials: _____

READING	TIME	Vac. (inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	5-31-03	SL
INITIAL FIELD VACUUM	13:05	30"	6-5-03	GRM
FINAL FIELD READING	13:41	3"	6-5-03	GRM

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg or PSIA)	12.87	6-11-03	[illegible]
FINAL PRESSURE (PSIA)	23.52	6-11-03	[illegible]

Pressurization Gas: N_2

COMMENTS:

1.8275

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

N:\COI\DOCS\CANISTER FIELD DATA RECORD(012103).doc

SEVERN TRENT STL

CANISTER FIELD DATA RECORD

CLIENT: ENVIROMATRIX ANALYTICAL INC
CANISTER SERIAL #: 6L0003
DATE CLEANED: 5-20-03A
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID:
Duration of comp.: hrs. / mins.
Flow setting: mL/min
Initials:

READING	TIME	Vac. (inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	5-31-03	SL
INITIAL FIELD VACUUM	13:55	30"	6-5-03	GR
FINAL FIELD READING	14:10	-2"	6-5-03	GR

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (inches Hg or PSIA)	13.09	6-11-03	
FINAL PRESSURE (PSIA)	23.70	6-11-03	

Pressurization Gas: N_2

COMMENTS:
1.7968

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (mL/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

N:\COR\DOCS\CANISTER FIELD DATA RECORD(012103).doc

SEVERN TRENT STL

CANISTER FIELD DATA RECORD

CLIENT: ENVIROMATRIX ANALYTICAL INC
CANISTER SERIAL #: 93110
DATE CLEANED: 5-20-03A
CLIENT SAMPLE #: AMW-3-8s
SITE LOCATION: Arizona St. LF

VFR ID: _____
Duration of comp.: _____ hrs. / mins.
Flow setting: _____ ml/min
Initials: _____

READING	TIME	Vac. (inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	5-31-03	SL
INITIAL FIELD VACUUM	14:35	30	6-5-03	[illegible]
FINAL FIELD READING	14:40	-6	6-5-03	[illegible]

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg or PSIA)	11.83	6-11-03	[illegible]
FINAL PRESSURE (PSIA)	24.00	6-11-03	[illegible]

Pressurization Gas: N2

COMMENTS:
2,0287

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

N:\COI\DOCS\CANISTER FIELD DATA RECORD(012103).doc

SEVERN TRENT STL

CANISTER FIELD DATA RECORD

CLIENT: ENVIROMATRIX ANALYTICAL INC
CANISTER SERIAL #: 0068
DATE CLEANED: 5-20-03A
CLIENT SAMPLE #: AMW-3-8d-blind
SITE LOCATION: Arizona St. LF

VFR ID: _____
Duration of comp.: _____ hrs. / mins.
Flow setting: _____ ml/min
Initials: _____

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	5-31-03	SC
INITIAL FIELD VACUUM	15:45	-30"	6-5-03	GRM
FINAL FIELD READING	15:50	-3.9	6-5-03	GRM

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (inches Hg or PSIA)	12.40	6-11-3	[illegible]
FINAL PRESSURE (PSIA)	24.49	6-11-3	[illegible]

Pressurization Gas: N_2

COMMENTS:
1.9655

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

N:\CORDOCS\CANISTER FIELD DATA RECORD(012103).doc

SEVERN TRENT STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. WO# 0306083

SAN DIEGO

Lot #: R3F100269

Roger Lahr

EnviroMatrix Analytical Inc

SEVERN TRENT LABORATORIES, INC.

Jesse Bacwaden
Project Manager

June 21, 2003

EXECUTIVE SUMMARY - Detection Highlights

E3F100269

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
AMW-4-100'-A-299 06/05/03 10:55 001				
Carbon dioxide	0.037	0.022	%(v/v)	ASTM D1946
Oxygen	22	0.22	%(v/v)	ASTM D1946
Nitrogen	76	2.2	%(v/v)	ASTM D1946
Acetone	3.8	0.80	ppb(v/v)	EPA-2 TO-15
Benzene	1.3	0.20	ppb(v/v)	EPA-2 TO-15
2-Butanone (MEK)	4.8	1.0	ppb(v/v)	EPA-2 TO-15
Chloromethane	0.81	0.40	ppb(v/v)	EPA-2 TO-15
Dichlorodifluoromethane	0.59	0.20	ppb(v/v)	EPA-2 TO-15
Methylene chloride	0.58	0.20	ppb(v/v)	EPA-2 TO-15
Tetrachloroethene	0.56	0.20	ppb(v/v)	EPA-2 TO-15
Toluene	1.0	0.30	ppb(v/v)	EPA-2 TO-15
AMW-2-PROBE7-0099 06/05/03 13:00 002				
Carbon dioxide	14	0.020	%(v/v)	ASTM D1946
Oxygen	2.5	0.20	%(v/v)	ASTM D1946
Nitrogen	80	2.0	%(v/v)	ASTM D1946
Methane	0.0010	0.00039	%(v/v)	ASTM D1946
Acetone	5.8	0.80	ppb(v/v)	EPA-2 TO-15
Benzene	0.26	0.20	ppb(v/v)	EPA-2 TO-15
Dichlorodifluoromethane	27	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichloro-1,1,2,2-tetraflucroethane	38	0.49	ppb(v/v)	EPA-2 TO-15
AMW-1-P15d-93067 06/05/03 13:35 003				
Carbon dioxide	17	0.018	%(v/v)	ASTM D1946
Oxygen	1.8	0.18	%(v/v)	ASTM D1946
Nitrogen	75	1.8	%(v/v)	ASTM D1946
Methane	2.1	0.00037	%(v/v)	ASTM D1946
Acetone	23	18	ppb(v/v)	EPA-2 TO-15
Benzene	9.9	3.6	ppb(v/v)	EPA-2 TO-15
Chloroform	5.1	3.6	ppb(v/v)	EPA-2 TO-15
Dichlorodifluoromethane	2500	18	ppb(v/v)	EPA-2 TO-15
cis-1,2-Dichloroethene	11	3.6	ppb(v/v)	EPA-2 TO-15
trans-1,2-Dichloroethene	4.3	3.6	ppb(v/v)	EPA-2 TO-15
1,2-Dichloro-1,1,2,2-tetrafluoroethane	130	3.6	ppb(v/v)	EPA-2 TO-15
Methylene chloride	120	3.6	ppb(v/v)	EPA-2 TO-15
Tetrachloroethene	640	3.6	ppb(v/v)	EPA-2 TO-15
Trichloroethene	110	3.6	ppb(v/v)	EPA-2 TO-15
Trichlorofluoromethane	24	3.6	ppb(v/v)	EPA-2 TO-15
Vinyl chloride	45	3.6	ppb(v/v)	EPA-2 TO-15

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E3F100269

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
AMW-1-P15d-93067 06/05/03 13:35 003				
Xylenes (total)	11	3.6	ppb(v/v)	EPA-2 TO-15
AMW-5-P11d-GL0003 06/05/03 14:10 004				
Carbon dioxide	19	0.018	%(v/v)	ASTM D1946
Oxygen	0.91	0.18	%(v/v)	ASTM D1946
Nitrogen	58	1.8	%(v/v)	ASTM D1946
Methane	18	0.00036	%(v/v)	ASTM D1946
Benzene	45	4.5	ppb(v/v)	EPA-2 TO-15
Chloroform	6.7	4.5	ppb(v/v)	EPA-2 TO-15
1,4-Dichlorobenzene	11	4.5	ppb(v/v)	EPA-2 TO-15
Dichlorodifluoromethane	8500	45	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethane	11	4.5	ppb(v/v)	EPA-2 TO-15
cis-1,2-Dichloroethene	340	4.5	ppb(v/v)	EPA-2 TO-15
trans-1,2-Dichloroethene	25	4.5	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethene	6.9	4.5	ppb(v/v)	EPA-2 TO-15
1,2-Dichloro-1,1,2,2-tetrafluoroethane	510	4.5	ppb(v/v)	EPA-2 TO-15
Ethylbenzene	170	4.5	ppb(v/v)	EPA-2 TO-15
4-Ethyltoluene	51	4.5	ppb(v/v)	EPA-2 TO-15
Methylene chloride	30	4.5	ppb(v/v)	EPA-2 TO-15
Tetrachloroethene	830	4.5	ppb(v/v)	EPA-2 TO-15
Toluene	86	4.5	ppb(v/v)	EPA-2 TO-15
Trichloroethene	260	4.5	ppb(v/v)	EPA-2 TO-15
Trichlorofluoromethane	160	4.5	ppb(v/v)	EPA-2 TO-15
1,2,4-Trimethylbenzene	42	4.5	ppb(v/v)	EPA-2 TO-15
1,3,5-Trimethylbenzene	32	4.5	ppb(v/v)	EPA-2 TO-15
Vinyl chloride	160	4.5	ppb(v/v)	EPA-2 TO-15
Xylenes (total)	300	4.5	ppb(v/v)	EPA-2 TO-15
AMW-3-8s-93110 06/05/03 14:40 005				
Carbon dioxide	15	0.020	%(v/v)	ASTM D1946
Oxygen	12	0.20	%(v/v)	ASTM D1946
Nitrogen	45	2.0	%(v/v)	ASTM D1946
Methane	24	0.00041	%(v/v)	ASTM D1946
Acetone	3800	81	ppb(v/v)	EPA-2 TO-15
Benzene	70	16	ppb(v/v)	EPA-2 TO-15
2-Butanone (MEK)	3000	81	ppb(v/v)	EPA-2 TO-15
Chlorobenzene	32	16	ppb(v/v)	EPA-2 TO-15
1,4-Dichlorobenzene	240	16	ppb(v/v)	EPA-2 TO-15
Dichlorodifluoromethane	800	16	ppb(v/v)	EPA-2 TO-15
cis-1,2-Dichloroethene	120	16	ppb(v/v)	EPA-2 TO-15

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E3F100269

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
AMW-3-8s-93110 06/05/03 14:40 005				
1,2-Dichloro-1,1,2,2-tetrafluoroethane	250	16	ppb(v/v)	EPA-2 TO-15
Ethylbenzene	1600	16	ppb(v/v)	EPA-2 TO-15
4-Ethyltoluene	870	16	ppb(v/v)	EPA-2 TO-15
Methylene chloride	42	16	ppb(v/v)	EPA-2 TO-15
4-Methyl-2-pentanone (MIBK)	290	81	ppb(v/v)	EPA-2 TO-15
Tetrachloroethene	72	16	ppb(v/v)	EPA-2 TO-15
Toluene	1900	16	ppb(v/v)	EPA-2 TO-15
Trichloroethene	100	16	ppb(v/v)	EPA-2 TO-15
1,2,4-Trimethylbenzene	960	16	ppb(v/v)	EPA-2 TO-15
1,3,5-Trimethylbenzene	370	16	ppb(v/v)	EPA-2 TO-15
Vinyl chloride	330	16	ppb(v/v)	EPA-2 TO-15
Xylenes (total)	3500	16	ppb(v/v)	EPA-2 TO-15
AMW-3-8d-0068 06/05/03 14:50 006				
Carbon dioxide	16	0.020	%(v/v)	ASTM D1946
Oxygen	5.2	0.20	%(v/v)	ASTM D1946
Nitrogen	67	2.0	%(v/v)	ASTM D1946
Methane	7.4	0.00039	%(v/v)	ASTM D1946
Benzene	35	9.9	ppb(v/v)	EPA-2 TO-15
Chlorobenzene	28	9.9	ppb(v/v)	EPA-2 TO-15
1,4-Dichlorobenzene	270	9.9	ppb(v/v)	EPA-2 TO-15
Dichlorodifluoromethane	1000	9.9	ppb(v/v)	EPA-2 TO-15
cis-1,2-Dichloroethene	19	9.9	ppb(v/v)	EPA-2 TO-15
1,2-Dichloro-1,1,2,2-tetrafluoroethane	180	9.9	ppb(v/v)	EPA-2 TO-15
Ethylbenzene	560	9.9	ppb(v/v)	EPA-2 TO-15
4-Ethyltoluene	180	9.9	ppb(v/v)	EPA-2 TO-15
Tetrachloroethene	17	9.9	ppb(v/v)	EPA-2 TO-15
Toluene	92	9.9	ppb(v/v)	EPA-2 TO-15
Trichloroethene	19	9.9	ppb(v/v)	EPA-2 TO-15
1,2,4-Trimethylbenzene	300	9.9	ppb(v/v)	EPA-2 TO-15
1,3,5-Trimethylbenzene	97	9.9	ppb(v/v)	EPA-2 TO-15
Vinyl chloride	66	9.9	ppb(v/v)	EPA-2 TO-15
Xylenes (total)	810	9.9	ppb(v/v)	EPA-2 TO-15

ANALYTICAL METHODS SUMMARY

E3F100269

PARAMETER	ANALYTICAL METHOD
Fixed Gases	ASTM D1946
Volatile Organics by TO15	EPA-2 TO-15

References:

ASTM Annual Book Of ASTM Standards.

EPA-2 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/0106, January 1997.

SAMPLE SUMMARY

E3F100269

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
FP9VW	001	AMW-4-100'-A-299	06/05/03	10:55
FP9VX	002	AMW-2-PROBE7-0099	06/05/03	13:00
FP9V0	003	AMW-1-P15d-93067	06/05/03	13:35
FP9V1	004	AMW-5-P11d-GL0003	06/05/03	14:10
FP9V2	005	AMW-3-8s-93110	06/05/03	14:40
FP9V3	006	AMW-3-8d-0068	06/05/03	14:50

NOTE(S):

- This analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-4-100'-A-299

GC/MS Volatiles

Lot-Sample #...: E3F100269-001 Work Order #...: FP9VW1AC Matrix.....: AIR
Date Sampled...: 06/05/03 Date Received..: 06/10/03
Prep Date.....: 06/13/03 Analysis Date..: 06/13/03
Prep Batch #...: 3167513
Dilution Factor: 1
Analyst ID.....: 341569 Instrument ID..: MSC
Method.....: EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**3.8**	**0.80**	**ppb(v/v)**
Benzene	**1.3**	**0.20**	**ppb(v/v)**
Benzyl chloride	ND	0.40	ppb(v/v)
Bromodichloromethane	ND	0.20	ppb(v/v)
Bromoform	ND	0.20	ppb(v/v)
Bromomethane	ND	0.20	ppb(v/v)
2-Butanone (MEK)	**4.8**	**1.0**	**ppb(v/v)**
Carbon disulfide	ND	1.0	ppb(v/v)
Carbon tetrachloride	ND	0.20	ppb(v/v)
Chlorobenzene	ND	0.20	ppb(v/v)
Dibromochloromethane	ND	0.20	ppb(v/v)
Chloroethane	ND	0.40	ppb(v/v)
Chloroform	ND	0.20	ppb(v/v)
Chloromethane	**0.81**	**0.40**	**ppb(v/v)**
1,2-Dibromoethane (EDB)	ND	0.20	ppb(v/v)
1,2-Dichlorobenzene	ND	0.20	ppb(v/v)
1,3-Dichlorobenzene	ND	0.20	ppb(v/v)
1,4-Dichlorobenzene	ND	0.20	ppb(v/v)
Dichlorodifluoromethane	**0.59**	**0.20**	**ppb(v/v)**
1,1-Dichloroethane	ND	0.20	ppb(v/v)
1,2-Dichloroethane	ND	0.20	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.20	ppb(v/v)
trans-1,2-Dichloroethene	ND	0.20	ppb(v/v)
1,1-Dichloroethene	ND	0.20	ppb(v/v)
1,2-Dichloropropane	ND	0.20	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.20	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.20	ppb(v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ppb(v/v)
Ethylbenzene	ND	0.20	ppb(v/v)
4-Ethyltoluene	ND	0.40	ppb(v/v)
Hexachlorobutadiene	ND	0.40	ppb(v/v)
2-Hexanone	ND	0.40	ppb(v/v)
Methylene chloride	**0.58**	**0.20**	**ppb(v/v)**
4-Methyl-2-pentanone (MIBK)	ND	0.40	ppb(v/v)
Styrene	ND	0.20	ppb(v/v)

(Continued on next page)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-4-100'-A-299

GC/MS Volatiles

Lot-Sample #...: E3F100269-001 Work Order #...: FP9VW1AC Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	0.20	ppb(v/v)
Tetrachloroethene	0.56	0.20	ppb(v/v)
Toluene	1.0	0.30	ppb(v/v)
1,2,4-Trichloro-benzene	ND	0.80	ppb(v/v)
1,1,1-Trichloroethane	ND	0.20	ppb(v/v)
1,1,2-Trichloroethane	ND	0.20	ppb(v/v)
Trichloroethene	ND	0.20	ppb(v/v)
Trichlorofluoromethane	ND	0.40	ppb(v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.40	ppb(v/v)
1,2,4-Trimethylbenzene	ND	0.40	ppb(v/v)
1,3,5-Trimethylbenzene	ND	0.40	ppb(v/v)
Vinyl acetate	ND	1.0	ppb(v/v)
Vinyl chloride	ND	0.20	ppb(v/v)
Xylenes (total)	ND	0.50	ppb(v/v)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-4-100'-A-299

GC Volatiles

Lot-Sample #...: E3F100269-001 Work Order #...: FP9VW1AD Matrix.....: AIR
Date Sampled...: 06/05/03 Date Received..: 06/10/03
Prep Date.....: 06/13/03 Analysis Date..: 06/13/03
Prep Batch #...: 3168267
Dilution Factor: 2.24
Analyst ID.....: 101605 Instrument ID..: GC3
Method.....: ASTM D1946

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Carbon dioxide	0.037	0.022	%(v/v)
Oxygen	22	0.22	%(v/v)
Nitrogen	76	2.2	%(v/v)
Methane	ND	0.00045	%(v/v)
Carbon monoxide	ND	0.0022	%(v/v)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-2-PROBE7-0099

GC/MS Volatiles

Lot-Sample #...: E3F100269-002 Work Order #...: FP9VX1AC Matrix.....: AIR
Date Sampled...: 06/05/03 Date Received..: 06/10/03
Prep Date.....: 06/13/03 Analysis Date..: 06/13/03
Prep Batch #...: 3167513
Dilution Factor: 1
Analyst ID.....: 341569 Instrument ID..: MSC
Method.....: EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**5.8**	**0.80**	**ppb(v/v)**
Benzene	**0.26**	**0.20**	**ppb(v/v)**
Benzyl chloride	ND	0.40	ppb(v/v)
Bromodichloromethane	ND	0.20	ppb(v/v)
Bromoform	ND	0.20	ppb(v/v)
Bromomethane	ND	0.20	ppb(v/v)
2-Butanone (MEK)	ND	1.0	ppb(v/v)
Carbon disulfide	ND	1.0	ppb(v/v)
Carbon tetrachloride	ND	0.20	ppb(v/v)
Chlorobenzene	ND	0.20	ppb(v/v)
Dibromochloromethane	ND	0.20	ppb(v/v)
Chloroethane	ND	0.40	ppb(v/v)
Chloroform	ND	0.20	ppb(v/v)
Chloromethane	ND	0.40	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	0.20	ppb(v/v)
1,2-Dichlorobenzene	ND	0.20	ppb(v/v)
1,3-Dichlorobenzene	ND	0.20	ppb(v/v)
1,4-Dichlorobenzene	ND	0.20	ppb(v/v)
Dichlorodifluoromethane	**27**	**0.20**	**ppb(v/v)**
1,1-Dichloroethane	ND	0.20	ppb(v/v)
1,2-Dichloroethane	ND	0.20	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.20	ppb(v/v)
trans-1,2-Dichloroethene	ND	0.20	ppb(v/v)
1,1-Dichloroethene	ND	0.20	ppb(v/v)
1,2-Dichloropropane	ND	0.20	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.20	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.20	ppb(v/v)
Ethylbenzene	ND	0.20	ppb(v/v)
4-Ethyltoluene	ND	0.40	ppb(v/v)
Hexachlorobutadiene	ND	0.40	ppb(v/v)
2-Hexanone	ND	0.40	ppb(v/v)
Methylene chloride	ND	0.20	ppb(v/v)
4-Methyl-2-pentanone (MIBK)	ND	0.40	ppb(v/v)
Styrene	ND	0.20	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	0.20	ppb(v/v)
Tetrachloroethene	ND	0.20	ppb(v/v)

(Continued on next page)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-2-PROBE7-0099

GC/MS Volatiles

Lot-Sample #...: E3P100269-002 Work Order #...: FP9VX1AC Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Toluene	ND	0.30	ppb(v/v)
1,2,4-Trichloro-benzene	ND	0.80	ppb(v/v)
1,1,1-Trichloroethane	ND	0.20	ppb(v/v)
1,1,2-Trichloroethane	ND	0.20	ppb(v/v)
Trichloroethene	ND	0.20	ppb(v/v)
Trichlorofluoromethane	ND	0.40	ppb(v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.40	ppb(v/v)
1,2,4-Trimethylbenzene	ND	0.40	ppb(v/v)
1,3,5-Trimethylbenzene	ND	0.40	ppb(v/v)
Vinyl acetate	ND	1.0	ppb(v/v)
Vinyl chloride	ND	0.20	ppb(v/v)
Xylenes (total)	ND	0.50	ppb(v/v)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-2-PROBE7-0099

GC/MS Volatiles

Lot-Sample #...:	E3P100269-002	Work Order #...:	PP9VX2AC	Matrix.....:	AIR
Date Sampled...:	06/05/03	Date Received..:	06/10/03		
Prep Date.....:	06/20/03	Analysis Date..:	06/20/03		
Prep Batch #...:	3171380				
Dilution Factor:	2.45				
Analyst ID.....:	341569	Instrument ID..:	MSC		
		Method.....:	EPA-2 TO-15		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2-Dichloro-1,1,2,2-tetrafluoroethane	38	0.49	ppb(v/v)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-2-PROBE7-0099

GC Volatiles

Lot-Sample #....: E3F100269-002 Work Order #....: FP9VX1AD Matrix.....: AIR
Date Sampled....: 06/05/03 Date Received...: 06/10/03
Prep Date.....: 06/12/03 Analysis Date...: 06/12/03
Prep Batch #....: 3163471
Dilution Factor: 1.96
Analyst ID.....: 101605 Instrument ID...: GC3
Method.....: ASTM D1946

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Carbon dioxide	14	0.020	%(v/v)
Oxygen	2.5	0.20	%(v/v)
Nitrogen	80	2.0	%(v/v)
Methane	0.0010	0.00039	%(v/v)
Carbon monoxide	ND	0.0020	%(v/v)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-1-P15d-93067

GC/MS Volatiles

Lot-Sample #...: E3F100269-003 Work Order #...: FP9V01AE Matrix.....: AIR
Date Sampled...: 06/05/03 Date Received..: 06/10/03
Prep Date.....: 06/11/03 Analysis Date..: 06/11/03
Prep Batch #...: 3167519
Dilution Factor: 1.82
Analyst ID.....: 117751 Instrument ID..: MSB
Method.....: EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	23	18	ppb(v/v)
Benzene	9.9	3.6	ppb(v/v)
Benzyl chloride	ND	18	ppb(v/v)
Bromodichloromethane	ND	3.6	ppb(v/v)
Bromoform	ND	3.6	ppb(v/v)
Bromomethane	ND	3.6	ppb(v/v)
2-Butanone (MEK)	ND	18	ppb(v/v)
Carbon disulfide	ND	18	ppb(v/v)
Carbon tetrachloride	ND	3.6	ppb(v/v)
Chlorobenzene	ND	3.6	ppb(v/v)
Dibromochloromethane	ND	3.6	ppb(v/v)
Chloroethane	ND	7.3	ppb(v/v)
Chloroform	5.1	3.6	ppb(v/v)
Chloromethane	ND	7.3	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	3.6	ppb(v/v)
1,2-Dichlorobenzene	ND	3.6	ppb(v/v)
1,3-Dichlorobenzene	ND	3.6	ppb(v/v)
1,4-Dichlorobenzene	ND	3.6	ppb(v/v)
1,1-Dichloroethane	ND	3.6	ppb(v/v)
1,2-Dichloroethane	ND	3.6	ppb(v/v)
cis-1,2-Dichloroethene	11	3.6	ppb(v/v)
trans-1,2-Dichloroethene	4.3	3.6	ppb(v/v)
1,1-Dichloroethene	ND	3.6	ppb(v/v)
1,2-Dichloropropane	ND	3.6	ppb(v/v)
cis-1,3-Dichloropropene	ND	3.6	ppb(v/v)
trans-1,3-Dichloropropene	ND	3.6	ppb(v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	130	3.6	ppb(v/v)
Ethylbenzene	ND	3.6	ppb(v/v)
4-Ethyltoluene	ND	3.6	ppb(v/v)
Hexachlorobutadiene	ND	7.3	ppb(v/v)
2-Hexanone	ND	18	ppb(v/v)
Methylene chloride	120	3.6	ppb(v/v)
4-Methyl-2-pentanone (MIBK)	ND	18	ppb(v/v)
Styrene	ND	3.6	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	3.6	ppb(v/v)

(Continued on next page)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-1-P15d-93067

GC/MS Volatiles

Lot-Sample #...: E3F100269-003 Work Order #...: FP9V01AE Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Tetrachloroethene	640	3.6	ppb(v/v)
Toluene	ND	3.6	ppb(v/v)
1,2,4-Trichloro-benzene	ND	9.1	ppb(v/v)
1,1,1-Trichloroethane	ND	3.6	ppb(v/v)
1,1,2-Trichloroethane	ND	3.6	ppb(v/v)
Trichloroethene	110	3.6	ppb(v/v)
Trichlorofluoromethane	24	3.6	ppb(v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.6	ppb(v/v)
1,2,4-Trimethylbenzene	ND	3.6	ppb(v/v)
1,3,5-Trimethylbenzene	ND	3.6	ppb(v/v)
Vinyl acetate	ND	18	ppb(v/v)
Vinyl chloride	45	3.6	ppb(v/v)
Xylenes (total)	11	3.6	ppb(v/v)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-1-P15d-93067

GC/MS Volatiles

Lot-Sample #...:	E3F100269-003	Work Order #...:	FP9V02AE	Matrix.....:	AIR
Date Sampled...:	06/05/03	Date Received..:	06/10/03		
Prep Date.....:	06/11/03	Analysis Date..:	06/11/03		
Prep Batch #...:	3167519				
Dilution Factor:	9.1				
Analyst ID.....:	117751	Instrument ID..:	MSB		
		Method.....:	EPA-2 TO-15		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	2500	18	ppb(v/v)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-1-P15d-93067

GC Volatiles

Lot-Sample #...: E3F100269-003 Work Order #...: FP9V01AD Matrix.....: AIR
Date Sampled...: 06/05/03 Date Received..: 06/10/03
Prep Date.....: 06/12/03 Analysis Date..: 06/12/03
Prep Batch #...: 3163471
Dilution Factor: 1.83
Analyst ID.....: 101605 Instrument ID..: GC3
Method.....: ASTM D1946

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Carbon dioxide	17	0.018	%(v/v)
Oxygen	1.8	0.18	%(v/v)
Nitrogen	75	1.8	%(v/v)
Methane	2.1	0.00037	%(v/v)
Carbon monoxide	ND	0.0018	%(v/v)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-5-P11d-GL0003

GC/MS Volatiles

Lot-Sample #...: E3F100269-004 Work Order #...: FP9V11AE Matrix.....: AIR
Date Sampled...: 06/05/03 Date Received..: 06/10/03
Prep Date.....: 06/11/03 Analysis Date..: 06/11/03
Prep Batch #...: 3167519
Dilution Factor: 2.24
Analyst ID.....: 117751 Instrument ID..: MSB
Method.....: EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	22	ppb(v/v)
Benzene	**45**	**4.5**	**ppb(v/v)**
Benzyl chloride	ND	22	ppb(v/v)
Bromodichloromethane	ND	4.5	ppb(v/v)
Bromoform	ND	4.5	ppb(v/v)
Bromomethane	ND	4.5	ppb(v/v)
2-Butanone (MEK)	ND	22	ppb(v/v)
Carbon disulfide	ND	22	ppb(v/v)
Carbon tetrachloride	ND	4.5	ppb(v/v)
Chlorobenzene	ND	4.5	ppb(v/v)
Dibromochloromethane	ND	4.5	ppb(v/v)
Chloroethane	ND	9.0	ppb(v/v)
Chloroform	**6.7**	**4.5**	**ppb(v/v)**
Chloromethane	ND	9.0	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	4.5	ppb(v/v)
1,2-Dichlorobenzene	ND	4.5	ppb(v/v)
1,3-Dichlorobenzene	ND	4.5	ppb(v/v)
1,4-Dichlorobenzene	**11**	**4.5**	**ppb(v/v)**
1,1-Dichloroethane	**11**	**4.5**	**ppb(v/v)**
1,2-Dichloroethane	ND	4.5	ppb(v/v)
cis-1,2-Dichloroethene	**340**	**4.5**	**ppb(v/v)**
trans-1,2-Dichloroethene	**25**	**4.5**	**ppb(v/v)**
1,1-Dichloroethene	**6.9**	**4.5**	**ppb(v/v)**
1,2-Dichloropropane	ND	4.5	ppb(v/v)
cis-1,3-Dichloropropene	ND	4.5	ppb(v/v)
trans-1,3-Dichloropropene	ND	4.5	ppb(v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	**510**	**4.5**	**ppb(v/v)**
Ethylbenzene	**170**	**4.5**	**ppb(v/v)**
4-Ethyltoluene	**51**	**4.5**	**ppb(v/v)**
Hexachlorobutadiene	ND	9.0	ppb(v/v)
2-Hexanone	ND	22	ppb(v/v)
Methylene chloride	**30**	**4.5**	**ppb(v/v)**
4-Methyl-2-pentanone (MIBK)	ND	22	ppb(v/v)
Styrene	ND	4.5	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	4.5	ppb(v/v)

(Continued on next page)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-5-P11d-GL0003

GC/MS Volatiles

Lot-Sample #...: E3F100269-004 Work Order #...: PP9V11AE Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Tetrachloroethene	830	4.5	ppb(v/v)
Toluene	86	4.5	ppb(v/v)
1,2,4-Trichloro-benzene	ND	11	ppb(v/v)
1,1,1-Trichloroethane	ND	4.5	ppb(v/v)
1,1,2-Trichloroethane	ND	4.5	ppb(v/v)
Trichloroethene	260	4.5	ppb(v/v)
Trichlorofluoromethane	160	4.5	ppb(v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	4.5	ppb(v/v)
1,2,4-Trimethylbenzene	42	4.5	ppb(v/v)
1,3,5-Trimethylbenzene	32	4.5	ppb(v/v)
Vinyl acetate	ND	22	ppb(v/v)
Vinyl chloride	160	4.5	ppb(v/v)
Xylenes (total)	300	4.5	ppb(v/v)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-5-P11d-GL0003

GC/MS Volatiles

Lot-Sample #...:	E3F100269-004	Work Order #...:	FP9V12AE	Matrix.....:	AIR
Date Sampled...:	06/05/03	Date Received..:	06/10/03		
Prep Date.....:	06/12/03	Analysis Date..:	06/12/03		
Prep Batch #...:	3167519				
Dilution Factor:	22.44				
Analyst ID.....:	117751	Instrument ID..:	MSB		
		Method.....:	EPA-2 TO-15		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	8500	45	ppb(v/v)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-5-P11d-GL0003

GC Volatiles

Lot-Sample #...: E3F100269-004 Work Order #...: FP9V11AD Matrix.....: AIR
Date Sampled...: 06/05/03 Date Received..: 06/10/03
Prep Date.....: 06/12/03 Analysis Date..: 06/12/03
Prep Batch #...: 3163471
Dilution Factor: 1.8
Analyst ID.....: 101605 Instrument ID..: GC3
Method.....: ASTM D1946

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Carbon dioxide	19	0.018	%(v/v)
Oxygen	0.91	0.18	%(v/v)
Nitrogen	58	1.8	%(v/v)
Methane	18	0.00036	%(v/v)
Carbon monoxide	ND	0.0018	%(v/v)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-3-8s-93110

GC/MS Volatiles

Lot-Sample #...: E3F100269-005 Work Order #...: FP9V21AE Matrix.....: AIR
Date Sampled...: 06/05/03 Date Received..: 06/10/03
Prep Date.....: 06/11/03 Analysis Date..: 06/11/03
Prep Batch #...: 3167519
Dilution Factor: 8.13
Analyst ID.....: 117751 Instrument ID..: MSB
Method.....: EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	3800	81	ppb(v/v)
Benzene	70	16	ppb(v/v)
Benzyl chloride	ND	81	ppb(v/v)
Bromodichloromethane	ND	16	ppb(v/v)
Bromoform	ND	16	ppb(v/v)
Bromomethane	ND	16	ppb(v/v)
2-Butanone (MEK)	3000	81	ppb(v/v)
Carbon disulfide	ND	81	ppb(v/v)
Carbon tetrachloride	ND	16	ppb(v/v)
Chlorobenzene	32	16	ppb(v/v)
Dibromochloromethane	ND	16	ppb(v/v)
Chloroethane	ND	33	ppb(v/v)
Chloroform	ND	16	ppb(v/v)
Chloromethane	ND	33	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	16	ppb(v/v)
1,2-Dichlorobenzene	ND	16	ppb(v/v)
1,3-Dichlorobenzene	ND	16	ppb(v/v)
1,4-Dichlorobenzene	240	16	ppb(v/v)
Dichlorodifluoromethane	800	16	ppb(v/v)
1,1-Dichloroethane	ND	16	ppb(v/v)
1,2-Dichloroethane	ND	16	ppb(v/v)
cis-1,2-Dichloroethene	120	16	ppb(v/v)
trans-1,2-Dichloroethene	ND	16	ppb(v/v)
1,1-Dichloroethene	ND	16	ppb(v/v)
1,2-Dichloropropane	ND	16	ppb(v/v)
cis-1,3-Dichloropropene	ND	16	ppb(v/v)
trans-1,3-Dichloropropene	ND	16	ppb(v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	250	16	ppb(v/v)
Ethylbenzene	1600	16	ppb(v/v)
4-Ethyltoluene	870	16	ppb(v/v)
Hexachlorobutadiene	ND	33	ppb(v/v)
2-Hexanone	ND	81	ppb(v/v)
Methylene chloride	42	16	ppb(v/v)
4-Methyl-2-pentanone (MIBK)	290	81	ppb(v/v)
Styrene	ND	16	ppb(v/v)

(Continued on next page)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-3-8s-93110

GC/MS Volatiles

Lot-Sample #...: E3F100269-005 Work Order #...: PP9V21AE Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	16	ppb(v/v)
Tetrachloroethene	72	16	ppb(v/v)
Toluene	1900	16	ppb(v/v)
1,2,4-Trichloro-benzene	ND	41	ppb(v/v)
1,1,1-Trichloroethane	ND	16	ppb(v/v)
1,1,2-Trichloroethane	ND	16	ppb(v/v)
Trichloroethene	100	16	ppb(v/v)
Trichlorofluoromethane	ND	16	ppb(v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	16	ppb(v/v)
1,2,4-Trimethylbenzene	960	16	ppb(v/v)
1,3,5-Trimethylbenzene	370	16	ppb(v/v)
Vinyl acetate	ND	81	ppb(v/v)
Vinyl chloride	330	16	ppb(v/v)
Xylenes (total)	3500	16	ppb(v/v)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-3-8s-93110

GC Volatiles

Lot-Sample #...: E3P100269-005 Work Order #...: FP9V21AD Matrix.....: AIR
Date Sampled...: 06/05/03 Date Received..: 06/10/03
Prep Date.....: 06/12/03 Analysis Date..: 06/12/03
Prep Batch #...: 3163471
Dilution Factor: 2.03
Analyst ID.....: 101605 Instrument ID..: GC3
Method.....: ASTM D1946

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Carbon dioxide	15	0.020	%(v/v)
Oxygen	12	0.20	%(v/v)
Nitrogen	45	2.0	%(v/v)
Methane	24	0.00041	%(v/v)
Carbon monoxide	ND	0.0020	%(v/v)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-3-8d-0068

GC/MS Volatiles

Lot-Sample #...: E3F100269-006 Work Order #...: FP9V31AE Matrix.....: AIR
Date Sampled...: 06/05/03 Date Received..: 06/10/03
Prep Date.....: 06/12/03 Analysis Date..: 06/12/03
Prep Batch #...: 3167519
Dilution Factor: 4.94
Analyst ID.....: 117751 Instrument ID..: MSB
Method.....: EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	49	ppb(v/v)
Benzene	**35**	**9.9**	**ppb(v/v)**
Benzyl chloride	ND	49	ppb(v/v)
Bromodichloromethane	ND	9.9	ppb(v/v)
Bromoform	ND	9.9	ppb(v/v)
Bromomethane	ND	9.9	ppb(v/v)
2-Butanone (MEK)	ND	49	ppb(v/v)
Carbon disulfide	ND	49	ppb(v/v)
Carbon tetrachloride	ND	9.9	ppb(v/v)
Chlorobenzene	**28**	**9.9**	**ppb(v/v)**
Dibromochloromethane	ND	9.9	ppb(v/v)
Chloroethane	ND	20	ppb(v/v)
Chloroform	ND	9.9	ppb(v/v)
Chloromethane	ND	20	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	9.9	ppb(v/v)
1,2-Dichlorobenzene	ND	9.9	ppb(v/v)
1,3-Dichlorobenzene	ND	9.9	ppb(v/v)
1,4-Dichlorobenzene	**270**	**9.9**	**ppb(v/v)**
Dichlorodifluoromethane	**1000**	**9.9**	**ppb(v/v)**
1,1-Dichloroethane	ND	9.9	ppb(v/v)
1,2-Dichloroethane	ND	9.9	ppb(v/v)
cis-1,2-Dichloroethene	**19**	**9.9**	**ppb(v/v)**
trans-1,2-Dichloroethene	ND	9.9	ppb(v/v)
1,1-Dichloroethene	ND	9.9	ppb(v/v)
1,2-Dichloropropane	ND	9.9	ppb(v/v)
cis-1,3-Dichloropropene	ND	9.9	ppb(v/v)
trans-1,3-Dichloropropene	ND	9.9	ppb(v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	**180**	**9.9**	**ppb(v/v)**
Ethylbenzene	**560**	**9.9**	**ppb(v/v)**
4-Ethyltoluene	**180**	**9.9**	**ppb(v/v)**
Hexachlorobutadiene	ND	20	ppb(v/v)
2-Hexanone	ND	49	ppb(v/v)
Methylene chloride	ND	9.9	ppb(v/v)
4-Methyl-2-pentanone (MIBK)	ND	49	ppb(v/v)
Styrene	ND	9.9	ppb(v/v)

(Continued on next page)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-3-8d-0068

GC/MS Volatiles

Lot-Sample #...: E3F100269-006 Work Order #...: FP9V31AE Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,2,2-Tetrachloroethane	ND	9.9	ppb(v/v)
Tetrachloroethene	17	9.9	ppb(v/v)
Toluene	92	9.9	ppb(v/v)
1,2,4-Trichloro-benzene	ND	25	ppb(v/v)
1,1,1-Trichloroethane	ND	9.9	ppb(v/v)
1,1,2-Trichloroethane	ND	9.9	ppb(v/v)
Trichloroethene	19	9.9	ppb(v/v)
Trichlorofluoromethane	ND	9.9	ppb(v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	9.9	ppb(v/v)
1,2,4-Trimethylbenzene	300	9.9	ppb(v/v)
1,3,5-Trimethylbenzene	97	9.9	ppb(v/v)
Vinyl acetate	ND	49	ppb(v/v)
Vinyl chloride	66	9.9	ppb(v/v)
Xylenes (total)	810	9.9	ppb(v/v)

ENVIROMATRIX ANALYTICAL INC

Client Sample ID: AMW-3-8d-0068

GC Volatiles

Lot-Sample #...:	E3F100269-006	Work Order #...:	FP9V31AD	Matrix.....:	AIR
Date Sampled...:	06/05/03	Date Received..:	06/10/03		
Prep Date.....:	06/12/03	Analysis Date..:	06/12/03		
Prep Batch #...:	3163471				
Dilution Factor:	1.96				
Analyst ID.....:	101605	Instrument ID..:	GC3		
		Method.....:	ASTM D1946		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Carbon dioxide	16	0.020	%(v/v)
Oxygen	5.2	0.20	%(v/v)
Nitrogen	67	2.0	%(v/v)
Methane	7.4	0.00039	%(v/v)
Carbon monoxide	ND	0.0020	%(v/v)

SEVERN TRENT STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E3F100269

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AIR	EPA-2 TO-15		3167513	
	AIR	ASTM D1946		3168267	
002	AIR	EPA-2 TO-15		3167513	
	AIR	EPA-2 TO-15		3171380	
	AIR	ASTM D1946		3163471	
003	AIR	EPA-2 TO-15		3167519	
	AIR	ASTM D1946		3163471	
004	AIR	EPA-2 TO-15		3167519	
	AIR	ASTM D1946		3163471	
005	AIR	EPA-2 TO-15		3167519	
	AIR	ASTM D1946		3163471	
006	AIR	EPA-2 TO-15		3167519	
	AIR	ASTM D1946		3163471	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E3F100269 Work Order #...: FQLX21AA Matrix.....: AIR
MB Lot-Sample #: M3F160000-513

Prep Date.....: 06/13/03 Instrument ID..: MSC

Analysis Date..: 06/13/03 Prep Batch #...: 3167513
Dilution Factor: 1

Analyst ID.....: 341569

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	0.80	ppb(v/v)	EPA-2 TO-15
Benzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Benzyl chloride	ND	0.40	ppb(v/v)	EPA-2 TO-15
Bromodichloromethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Bromoform	ND	0.20	ppb(v/v)	EPA-2 TO-15
Bromomethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
2-Butanone (MEK)	ND	1.0	ppb(v/v)	EPA-2 TO-15
Carbon disulfide	ND	1.0	ppb(v/v)	EPA-2 TO-15
Carbon tetrachloride	ND	0.20	ppb(v/v)	EPA-2 TO-15
Chlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Dibromochloromethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Chloroethane	ND	0.40	ppb(v/v)	EPA-2 TO-15
Chloroform	ND	0.20	ppb(v/v)	EPA-2 TO-15
Chloromethane	ND	0.40	ppb(v/v)	EPA-2 TO-15
1,2-Dibromoethane (EDB)	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,3-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,4-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Dichlorodifluoromethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
cis-1,2-Dichloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
trans-1,2-Dichloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichloropropane	ND	0.20	ppb(v/v)	EPA-2 TO-15
cis-1,3-Dichloropropene	ND	0.20	ppb(v/v)	EPA-2 TO-15
trans-1,3-Dichloropropene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Ethylbenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
4-Ethyltoluene	ND	0.40	ppb(v/v)	EPA-2 TO-15
Hexachlorobutadiene	ND	0.40	ppb(v/v)	EPA-2 TO-15
2-Hexanone	ND	0.40	ppb(v/v)	EPA-2 TO-15
Methylene chloride	ND	0.20	ppb(v/v)	EPA-2 TO-15
4-Methyl-2-pentanone (MIBK)	ND	0.40	ppb(v/v)	EPA-2 TO-15
Styrene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Tetrachloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Toluene	ND	0.30	ppb(v/v)	EPA-2 TO-15

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E3F100269 Work Order #...: FQLX21AA Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	ND	0.80	ppb(v/v)	EPA-2 TO-15
1,1,1-Trichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1,2-Trichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Trichloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Trichlorofluoromethane	ND	0.40	ppb(v/v)	EPA-2 TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.40	ppb(v/v)	EPA-2 TO-15
1,2,4-Trimethylbenzene	ND	0.40	ppb(v/v)	EPA-2 TO-15
1,3,5-Trimethylbenzene	ND	0.40	ppb(v/v)	EPA-2 TO-15
Vinyl acetate	ND	1.0	ppb(v/v)	EPA-2 TO-15
Vinyl chloride	ND	0.20	ppb(v/v)	EPA-2 TO-15
Xylenes (total)	ND	0.50	ppb(v/v)	EPA-2 TO-15

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E3F100269
MB Lot-Sample #: M3F160000-519

Analysis Date..: 06/11/03
Dilution Factor: 1

Work Order #...: FQL1D1AA

Prep Date.....: 06/11/03
Prep Batch #...: 3167519

Analyst ID.....: 117751

Matrix.....: AIR

Instrument ID..: MSB

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ppb(v/v)	EPA-2 TO-15
Benzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Benzyl chloride	ND	10	ppb(v/v)	EPA-2 TO-15
Bromodichloromethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Bromoform	ND	2.0	ppb(v/v)	EPA-2 TO-15
Bromomethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
2-Butanone (MEK)	ND	10	ppb(v/v)	EPA-2 TO-15
Carbon disulfide	ND	10	ppb(v/v)	EPA-2 TO-15
Carbon tetrachloride	ND	2.0	ppb(v/v)	EPA-2 TO-15
Chlorobenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Dibromochloromethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Chloroethane	ND	4.0	ppb(v/v)	EPA-2 TO-15
Chloroform	ND	2.0	ppb(v/v)	EPA-2 TO-15
Chloromethane	ND	4.0	ppb(v/v)	EPA-2 TO-15
1,2-Dibromoethane (EDB)	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,2-Dichlorobenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,3-Dichlorobenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,4-Dichlorobenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Dichlorodifluoromethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,2-Dichloroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-2 TO-15
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,2-Dichloropropane	ND	2.0	ppb(v/v)	EPA-2 TO-15
cis-1,3-Dichloropropene	ND	2.0	ppb(v/v)	EPA-2 TO-15
trans-1,3-Dichloropropene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Ethylbenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
4-Ethyltoluene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Hexachlorobutadiene	ND	4.0	ppb(v/v)	EPA-2 TO-15
2-Hexanone	ND	10	ppb(v/v)	EPA-2 TO-15
Methylene chloride	ND	2.0	ppb(v/v)	EPA-2 TO-15
4-Methyl-2-pentanone (MIBK)	ND	10	ppb(v/v)	EPA-2 TO-15
Styrene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Tetrachloroethene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Toluene	ND	2.0	ppb(v/v)	EPA-2 TO-15

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E3F100269 Work Order #...: FQL1D1AA Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	ND	5.0	ppb(v/v)	EPA-2 TO-15
1,1,1-Trichloroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,1,2-Trichloroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Trichloroethene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Trichlorofluoromethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,2,4-Trimethylbenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,3,5-Trimethylbenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Vinyl acetate	ND	10	ppb(v/v)	EPA-2 TO-15
Vinyl chloride	ND	2.0	ppb(v/v)	EPA-2 TO-15
Xylenes (total)	ND	2.0	ppb(v/v)	EPA-2 TO-15

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E3F100269
MB Lot-Sample #: M3F200000-380

Analysis Date..: 06/19/03
Dilution Factor: 1

Work Order #...: FQX0D1AA

Prep Date.....: 06/19/03
Prep Batch #...: 3171380

Analyst ID.....: 341569

Matrix.....: AIR

Instrument ID..: MSC

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E3F100269
MB Lot-Sample #: M3F120000-471

Analysis Date..: 06/12/03
Dilution Factor: 1

Work Order #...: FQF001AA

Prep Date.....: 06/12/03
Prep Batch #...: 3163471

Analyst ID.....: 101605

Matrix.....: AIR

Instrument ID..: GC3

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Carbon dioxide	ND	0.010	%(v/v)	ASTM D1946
Oxygen	ND	0.10	%(v/v)	ASTM D1946
Nitrogen	ND	1.0	%(v/v)	ASTM D1946
Methane	ND	0.00020	%(v/v)	ASTM D1946
Carbon monoxide	ND	0.0010	%(v/v)	ASTM D1946

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E3F100269
MB Lot-Sample #: M3F170000-267

Analysis Date..: 06/13/03
Dilution Factor: 1

Work Order #...: FQMQT1AA

Prep Date.....: 06/13/03
Prep Batch #...: 3168267

Analyst ID.....: 101605

Matrix.....: AIR

Instrument ID..: GC3

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Carbon dioxide	ND	0.010	%(v/v)	ASTM D1946
Oxygen	ND	0.10	%(v/v)	ASTM D1946
Nitrogen	ND	1.0	%(v/v)	ASTM D1946
Methane	ND	0.00020	%(v/v)	ASTM D1946
Carbon monoxide	ND	0.0010	%(v/v)	ASTM D1946

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: B3F100269 Work Order #...: FQLX21AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M3F160000-513 FQLX21AD-LCSD
Prep Date.....: 06/13/03 Analysis Date..: 06/13/03
Prep Batch #...: 3167513
Dilution Factor: 1 Instrument ID..: MSC
Analyst ID.....: 341569

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	102	(75 - 135)			EPA-2 TO-15
	103	(75 - 135)	0.41	(0-20)	EPA-2 TO-15
Methylene chloride	95	(75 - 125)			EPA-2 TO-15
	94	(75 - 125)	1.3	(0-20)	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	110	(60 - 130)			EPA-2 TO-15
	114	(60 - 130)	3.2	(0-20)	EPA-2 TO-15
Toluene	118	(75 - 125)			EPA-2 TO-15
	124	(75 - 125)	5.2	(0-20)	EPA-2 TO-15
Trichloroethene	109	(75 - 130)			EPA-2 TO-15
	115	(75 - 130)	5.8	(0-20)	EPA-2 TO-15

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E3F100269 Work Order #...: FQLX21AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M3P160000-513 FQLX21AD-LCSD
Prep Date.....: 06/13/03 Analysis Date..: 06/13/03
Prep Batch #...: 3167513
Dilution Factor: 1 Instrument ID..: MSC
Analyst ID.....: 341569

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	11.8	12.1	ppb(v/v)	102		EPA-2 TO-15
	11.8	12.1	ppb(v/v)	103	0.41	EPA-2 TO-15
Methylene chloride	11.7	11.2	ppb(v/v)	95		EPA-2 TO-15
	11.7	11.0	ppb(v/v)	94	1.3	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	11.1	12.2	ppb(v/v)	110		EPA-2 TO-15
	11.1	12.6	ppb(v/v)	114	3.2	EPA-2 TO-15
Toluene	11.1	13.1	ppb(v/v)	118		EPA-2 TO-15
	11.1	13.8	ppb(v/v)	124	5.2	EPA-2 TO-15
Trichloroethene	11.9	13.0	ppb(v/v)	109		EPA-2 TO-15
	11.9	13.7	ppb(v/v)	115	5.8	EPA-2 TO-15

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

GC/MS Volatiles

Client Lot #...: E3P100269 Work Order #...: FQL1D1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M3P160000-519 FQL1D1AD-LCSD
Prep Date.....: 06/11/03 Analysis Date..: 06/11/03
Prep Batch #...: 3167519
Dilution Factor: 1 Instrument ID..: MSB
Analyst ID.....: 117751

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	112	(70 - 125)			EPA-2 TO-15
	113	(70 - 125)	0.85	(0-20)	EPA-2 TO-15
Methylene chloride	101	(75 - 120)			EPA-2 TO-15
	102	(75 - 120)	1.6	(0-20)	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	86	(65 - 130)			EPA-2 TO-15
	85	(65 - 130)	0.82	(0-20)	EPA-2 TO-15
Toluene	97	(75 - 125)			EPA-2 TO-15
	95	(75 - 125)	1.5	(0-20)	EPA-2 TO-15
Trichloroethene	93	(70 - 125)			EPA-2 TO-15
	94	(70 - 125)	1.4	(0-20)	EPA-2 TO-15

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E3F100269 Work Order #...: FQL1D1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M3F160000-S19 FQL1D1AD-LCSD
Prep Date.....: 06/11/03 Analysis Date..: 06/11/03
Prep Batch #...: 3167519
Dilution Factor: 1 Instrument ID..: MSB
Analyst ID.....: 117751

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	59.2	66.3	ppb(v/v)	112		EPA-2 TO-15
	59.2	66.9	ppb(v/v)	113	0.85	EPA-2 TO-15
Methylene chloride	58.7	59.1	ppb(v/v)	101		EPA-2 TO-15
	58.7	60.1	ppb(v/v)	102	1.6	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	55.4	47.6	ppb(v/v)	86		EPA-2 TO-15
	55.4	47.2	ppb(v/v)	85	0.82	EPA-2 TO-15
Toluene	55.7	53.8	ppb(v/v)	97		EPA-2 TO-15
	55.7	53.0	ppb(v/v)	95	1.5	EPA-2 TO-15
Trichloroethene	59.5	55.1	ppb(v/v)	93		EPA-2 TO-15
	59.5	55.8	ppb(v/v)	94	1.4	EPA-2 TO-15

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

GC/MS Volatiles

Client Lot #...: E3F100269 Work Order #...: FQX0D1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M3F200000-380 FQX0D1AD-LCSD
Prep Date.....: 06/19/03 Analysis Date..: 06/19/03
Prep Batch #...: 3171380
Dilution Factor: 1 Instrument ID..: MSC
Analyst ID.....: 341569

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	102	(75 - 135)			EPA-2 TO-15
	98	(75 - 135)	4.6	(0-20)	EPA-2 TO-15
Methylene chloride	99	(75 - 125)			EPA-2 TO-15
	98	(75 - 125)	0.88	(0-20)	EPA-2 TO-15
Trichloroethene	103	(75 - 130)			EPA-2 TO-15
	101	(75 - 130)	1.7	(0-20)	EPA-2 TO-15
Toluene	98	(75 - 125)			EPA-2 TO-15
	97	(75 - 125)	1.2	(0-20)	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	95	(60 - 130)			EPA-2 TO-15
	96	(60 - 130)	1.6	(0-20)	EPA-2 TO-15

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E3F100269 Work Order #...: FQX0D1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M3F200000-380 FQX0D1AD-LCSD
Prep Date.....: 06/19/03 Analysis Date..: 06/19/03
Prep Batch #...: 3171380
Dilution Factor: 1 Instrument ID..: MSC
Analyst ID.....: 341569

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	10.2	ppb(v/v)	102		EPA-2 TO-15
	10.0	9.76	ppb(v/v)	98	4.6	EPA-2 TO-15
Methylene chloride	10.0	9.90	ppb(v/v)	99		EPA-2 TO-15
	10.0	9.82	ppb(v/v)	98	0.88	EPA-2 TO-15
Trichloroethene	10.0	10.3	ppb(v/v)	103		EPA-2 TO-15
	10.0	10.1	ppb(v/v)	101	1.7	EPA-2 TO-15
Toluene	10.0	9.80	ppb(v/v)	98		EPA-2 TO-15
	10.0	9.68	ppb(v/v)	97	1.2	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	10.0	9.46	ppb(v/v)	95		EPA-2 TO-15
	10.0	9.61	ppb(v/v)	96	1.6	EPA-2 TO-15

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

GC Volatiles

Client Lot #...: E3F100269 Work Order #...: FQF001AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M3F120000-471 FQF001AD-LCSD
Prep Date.....: 06/12/03 Analysis Date..: 06/12/03
Prep Batch #...: 3163471
Dilution Factor: 1 Instrument ID..: GC3
Analyst ID.....: 101605

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Carbon dioxide	101	(75 - 125)			ASTM D1946
	100	(75 - 125)	0.67	(0-20)	ASTM D1946
Methane	102	(75 - 135)			ASTM D1946
	104	(75 - 135)	2.0	(0-20)	ASTM D1946

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E3F100269 Work Order #...: FQF001AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M3F120000-471 FQF001AD-LCSD
Prep Date.....: 06/12/03 Analysis Date..: 06/12/03
Prep Batch #...: 3163471
Dilution Factor: 1 Instrument ID..: GC3
Analyst ID.....: 101605

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Carbon dioxide	1.00	1.01	%(v/v)	101		ASTM D1946
	1.00	1.00	%(v/v)	100	0.67	ASTM D1946
Methane	0.0500	0.0510	%(v/v)	102		ASTM D1946
	0.0500	0.0520	%(v/v)	104	2.0	ASTM D1946

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

GC Volatiles

Client Lot #...: E3F100269 Work Order #...: FQMQT1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M3F170000-267 FQMQT1AD-LCSD
Prep Date.....: 06/13/03 Analysis Date..: 06/13/03
Prep Batch #...: 3168267
Dilution Factor: 1 Instrument ID..: GC3
Analyst ID.....: 101605

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Carbon dioxide	99	(75 - 125)			ASTM D1946
	100	(75 - 125)	1.2	(0-20)	ASTM D1946
Methane	103	(75 - 135)			ASTM D1946
	103	(75 - 135)	0.77	(0-20)	ASTM D1946

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E3F100269 Work Order #...: FQMQT1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M3F170000-267 FQMQT1AD-LCSD
Prep Date.....: 06/13/03 Analysis Date..: 06/13/03
Prep Batch #...: 3168267
Dilution Factor: 1 Instrument ID..: GC3
Analyst ID.....: 101605

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Carbon dioxide	1.00	0.993	%(v/v)	99		ASTM D1946
	1.00	1.00	%(v/v)	100	1.2	ASTM D1946
Methane	0.0500	0.0517	%(v/v)	103		ASTM D1946
	0.0500	0.0513	%(v/v)	103	0.77	ASTM D1946

NOTE(S):

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

Bold print denotes control parameters

CHAIN-OF-CUSTODY RECORD

EnviroMatrix Analytical, Inc.
4340 Viewridge Ave., Ste. A • San Diego, CA 92123 • Phone (858) 560-7717 • Fax (858) 560-7763

EMA LOG #: 0306083

EMA DATE/TIME STAMP

Client: City of San Diego
Address: 9601 Ridgehaven Ct. Ste 310
San Diego, CA 92123
Attn: George Martin J. Phone: 858-492-5035
Sampled by: Morton Fax: " " 5041
Billing Address: same as above
Project: Arizona St. LF EAAP PO #:

REQUESTED ANALYSIS

EMA ID #	Client Sample ID	Sample Date	Sample Time	Sample Matrix	Container(s) #	Container(s) Type*	418.1 (TRPH)	Oil & Grease 413.1 ___ 4132 ___ 1664 ___	TPH (8015B) Gas ___ Diesel ___	TPH-Extended 8015B ___ ASTM D2887 ___	602 / 8021 BTXE ___ MTBE ___	601 / 8021 (Purgeable Halocarbons)	608 / 8081 (Pesticides)	608 / 8082 (PCB's)	624 / 8260 (Volatile Organics)	625 / 8270 (Semi Volatile Organics)	TTLC Metals (CAC Title 22)	STLC Metals (CAC Title 22)	TCLP (RCRA) Metals ___ Organics ___	Cd Cr Cu Pb Ni Ag Zn	pH EC TSS TDS	10-15	Final Gauge						
1	AMW-4-100'-A-299	6/5/03	13:55	Gas	1	Summa																X	X						
2	AMW-2-Probe7-0097		13:00																			X	X						
3	AMW-1-P15d-93067		13:35																			X	X						
4	AMW-5-P11d-GL0003		14:10																			X	X						
5	AMW-3-8s-93110		14:40																			X	X						
6	AMW-3-8d-0068		14:50																			X	X						
7																													
8																													
9																													
10																													

*Container Types: B=Brass Tube; V=VOA; G=Glass; P=Plastic; O=Other (list) Summa Canister

Tamper-Proof Seals Intact: Yes No N/A
Correct Containers: Yes No
Sample(s): Cold Ambient Warm
VOAs w/ZHS: Yes No N/A
All Samples Properly Preserved: Yes No N/A
Disposal: N/C (aqueous) *EMA (@$5.00/sample) Return Hold
Turnaround Time: 24 hr 48 hr 3 day 4 day 5 day Normal
Comments: Summa Canisters - some vacuum left in each

RELINQUISHED BY	DATE/TIME	RECEIVED BY
Signature: George K. Martin	6/5/03 15:[illegible]	Signature: Adrian Olivares
Print: George K. Martin		Print: Adrian Olivares
Company: City of San Diego		Company: EMA
Signature		Signature
Print		Print
Company:		Company:
Signature		Signature
Print		Print
Company:		Company:

*EMA reserves the right to return samples that do not match our waste profile.

White - EMA Canary - Accounting Pink - Client (w/Report) Goldenrod - Client (Relinquish Samples)

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client: City of San Diego	Project Manager: George Morton Jr	Date: 6/5/04	Chain of Custody Number: 025421
Address: 9601 Ridgehaven Cte Ste 310	Telephone Number (Area Code)/Fax Number: 858-492-5035	Lab Number:	Page 1 of 1
City: San Diego; State: CA; Zip Code: 92123	Site Contact: G. Morton	Lab Contact: Roger Kahr	
Project Name and Location (State): Arizona St. LF EMP	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed): TO-15 Fixed gases

Special Instructions/ Conditions of Receipt: JUN 5'03 15.51

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		TO-15	Fixed gases
AMW-4-100' - A-299	6/5/03	10:55	X												X	X
AMW-2 probe 150s - 0099	6/5/03	13:00	X												X	X
AMW-1-p15d - 93067	6/5/03	13:35	X												X	X
AMW-5-p11d - GL0003	6/5/03	14:10	X												X	X
AMW-3-8s - 93110	6/5/03	14:40	X												X	X
AMW-3-8d - 0068	6/5/03	14:50	X												X	X

Possible Hazard Identification: ☐ Non-Hazard ☒ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify):

1. Relinquished By: George R. Morton Jr.	Date: 6/5/03	Time: 1530	1. Received By: Adrian Olmos EMA	Date: 6/5/03	Time: 1530
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to C... with Rep... PINK - F... copy

EnviroMatrix Analytical, Inc.

INVOICE

Invoice To:
George Morton
City of San Diego
9601 Ridgehaven Court, Ste 310
San Diego, California 92123

Invoice Number
3060098-City of San Diego

Invoiced On:
06/27/03

Remit To:
Accounts Receivable
EnviroMatrix Analytical, Inc.
4340 Viewridge Ave., Ste. A
San Diego, CA 92123

PO Number
5050594

Received
06/05/03

Project
No Project

Client
George Morton
City of San Diego

Terms
NET 30

Project Number
Arizona St. LF EMP

Project Manager
Roger Lahr

Work Order(s)
0306083

Quantity	Analysis/Description	Matrix	Unit Cost	Extended Cost
STL/ Severn Trent Services-Santa Ana				
6	ASTM-D1946 [15 day]	Air	$125.00	$750.00
6	TO-15, VOCs in Air [15 day]	Air	$245.00	$1,470.00
			Invoice Total:	**$2,220.00**

EnviroMatrix Analytical, Inc.

30 December, 2003

City of San Diego
Attn: George Morton
9601 Ridgehaven Ct., Suite #310
San Diego, California 92123

EMA Log #.: 0312048

Enclosed with this letter are the test results performed by subcontract laboratory for the following analyses:

- TO-15
- Fixed gases

The samples were received by EnviroMatrix Analytical, Inc. intact and with chain-of-custody documentation. The test results and pertinent quality assurance/quality control data are listed on the attached tables.

I certify that this data report is in compliance both technically and for completeness. Release of the data contained in this hard copy data report has been authorized by the following signature.

Dan Verdon
Laboratory Director

4340 Viewridge Avenue, Suite A • San Diego, California 92123 • (858) 560-7717 • Fax (858) 560-7763
Analytical Chemistry Laboratory

SEVERN TRENT STL

Invoice

STL Los Angeles
1721 South Grand Ave.
Tel: Santa Ana,CA 92705
Fax: (714) 258-8610
(714) 258-0921 FAX

Number	Date
34023612	23 DEC 03
STL Project Number	Customer Number
E3L050383	00410261
Terms	
NET 30 DAYS	

REMIT TO:
Severn Trent Laboratories, Inc.
P.O. Box 7777 W4305
Philadelphia, PA 19175-4305

Customer Contact
SAMPLE RECEIVING DATE : 12/04/03
REPORT DATE : 12/23/03
Roger Lahr

Bill To:
EnviroMatrix Analytical Inc
Attn: Accounts Payable
4340 Viewridge Avenue
San Diego,CA 92123

EnviroMatrix Analytical Inc
Attn: Accounts Payable
4340 Viewridge Avenue
Suite A
San Diego,CA 92123

Line No.	Qty.	Matrix Code	Analysis Description	Unit Price	Extended Price
	5	AIR	SUMMA canister rental (6-li)	50.00	250.00
	5	AIR	EPA TO-15, VOCs by GC/MS	200.00	1,000.00
	5	AIR	ASTM D1946, Fixed Gases (%v/v)	80.00	400.00

PROJECT: CITY of SAN DIEGO
WORKORDER NO.: 0312048

Please reference Invoice number when remitting.

Customer P.O. Number / Contract Number / Reference
03820/WO# 0312048/CITY of SAN DIEGO

STL Project Manager
Maria Friedman

Salesperson

Sub Total	
Tax	
Total	1,650.00

ORIGINAL
Severn Trent Laboratories, Inc.

SEVERN TRENT STL

Invoice

STL Los Angeles
1721 South Grand Ave.
Tel: Santa Ana, CA 92705
Fax: (714) 258-8610
(714) 258-0921 FAX

Number	Date
34023612	23 DEC 03
STL Project Number	Customer Number
E3L050383	00410261
Terms	
NET 30 DAYS	

REMIT TO:
Severn Trent Laboratories, Inc.
P.O. Box 7777 W4305
Philadelphia, PA 19175-4305

Customer Contact
SAMPLE RECEIVING DATE : 12/04/03
REPORT DATE : 12/23/03
Roger Lahr

Bill To:
EnviroMatrix Analytical Inc
Attn: Accounts Payable
4340 Viewridge Avenue
San Diego, CA 92123

EnviroMatrix Analytical Inc
Attn: Accounts Payable
4340 Viewridge Avenue
Suite A
San Diego, CA 92123

Line No.	Qty.	Matrix Code	Analysis Description	Unit Price	Extended Price
	5	AIR	SUMMA canister rental (6-li)	50.00	250.00
	5	AIR	EPA TO-15, VOCs by GC/MS	200.00	1,000.00
	5	AIR	ASTM D1946, Fixed Gases (%v/v)	80.00	400.00

PROJECT: CITY of SAN DIEGO
WORKORDER NO.: 0312048

Please reference Invoice number when remitting.

Customer P.O. Number / Contract Number / Reference
03820/WO# 0312048/CITY of SAN DIEGO

Project Manager
Maria Friedman

Salesperson

Sub Total	
Tax	
Total	1,650.00

DUPLICATE COPY
Severn Trent Laboratories, Inc.

EnviroMatrix Analytical, Inc.
0312048

PO# 03820
53L050383

SENDING LABORATORY:

EnviroMatrix Analytical, Inc.
4340 Viewridge Ave., Ste. A
San Diego, CA 92123
Phone: (858) 560-7717
Fax: (858) 560-7763
Project Manager: Roger Lahr

RECEIVING LABORATORY:

STL/ Severn Trent Services-Santa Ana
1721 South Grand Avenue
Santa Ana, California 92705
Phone :(714) 258-8610
Fax: (714) 258-0921

* Normal TAT * Please reference WO# 0312048 in report
* Please sign and fax back

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: AMW-1 Probe 15 3065	**Air**	**Sampled:12/01/03 10:00**	[redacted]	
ASTM-D1946	[redacted]	12/31/03 10:00		
TO-15, VOCs in Air	[redacted]	12/15/03 10:00		
Containers Supplied:				
Summa Canister (A)				
Sample ID: AMW-2 Probe 7 3141	**Air**	**Sampled:12/01/03 09:40**	[redacted]	
ASTM-D1946	[redacted]	12/31/03 09:40		
TO-15, VOCs in Air	[redacted]	12/15/03 09:40		
Containers Supplied:				
Summa Canister (A)				
Sample ID: AMW-3 Well 80 3352	**Air**	**Sampled:12/01/03 11:46**	[redacted]	
ASTM-D1946	[redacted]	12/31/03 11:46		
TO-15, VOCs in Air	[redacted]	12/15/03 11:46		
Containers Supplied:				
Summa Canister (A)				
Sample ID: AMW-4 3047	**Air**	**Sampled:12/01/03 10:40**	[redacted]	
ASTM-D1946	[redacted]	12/31/03 10:40		
TO-15, VOCs in Air	[redacted]	12/15/03 10:40		
Containers Supplied:				
Summa Canister (A)				
Sample ID: AMW-5 Probe 11	**Air**	**Sampled:12/01/03 10:15**	[redacted]	
ASTM-D1946	[redacted]	12/31/03 10:15		
TO-15, VOCs in Air	[redacted]	12/15/03 10:15		
Containers Supplied:				
Summa Canister (A)				

Released By	Date	Received By	Date
Michael Sandulak	12/3/03	FedEx	
Fed Ex		[signature]	12/4/03 1030
Released By	Date	Received By	Date

SEVERN TRENT STL

December 22, 2003

STL LOT NUMBER: **E3L050383**
PO/CONTRACT: **03820**

Mr. Roger Lahr
EnviroMatrix Analytical Inc
4340 Viewridge Avenue
Suite A
San Diego, CA 92123

Dear Mr. Lahr:

This report contains the analytical results for the five samples received under chain of custody by STL Los Angeles on December 4, 2003. These samples are associated with your CITY of SAN DIEGO project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria. Any matrix related anomaly is footnoted within the report.

Preliminary results were sent via email to your attention on Friday, December 12, 2003.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000044 pages.