CLIENT:

Project No.: **Titan Colleyville**

GD Air Testing Lab. ID: **GD12-0033-001**
Report Date: 29-Feb-12
Date Analyzed: 27-Feb-12
Analyzed by: LAJ
GD Air QC Batch: **QC-022712**
Method: EPATO14
NELAP Certification No.: ***T104704364***

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLE BY	SAMPLED DATE /RECEIVED		
7:15-9:15am DeNicola	Air	[redacted]	**02/09/12**	**02/22/12**	
CONSTITUENT	MW	CAS	PQL* ppbv	**RESULT** ppbv	NOTE ug/cu M
Benzene	78	71432	0.40	**0.42**	1.35
Benzylchloride	126.6	100447	0.40	ND	ND
Bromomethane (Methyl Bromide)	94.9	74839	0.40	ND	ND
Carbon tetrachloride	153.8	56235	0.40	ND	ND
Chlorobenzene	112.6	108907	0.40	ND	ND
Chloroethane (Ethyl Chloride)	64.5	75003	0.40	ND	ND
Chloroform	119	67663	0.40	ND	ND
Chloromethane (Methyl Chloride)	50.4	74873	0.40	**0.64**	1.32
1,2-Dibromoethane (EDB)	187.9	106934	0.40	ND	ND
1,2-Dichlorobenzene	147	95501	0.40	ND	ND
1,3-Dichlorobenzene	147	541731	0.40	ND	ND
1,4-Dichlorobenzene	147	106467	0.40	ND	ND
1,1-Dichloroethane	99	75343	0.40	ND	ND
1,1-Dichlorethene	97	75354	0.40	ND	ND
Dichlorodifluoromethane (F12)	120.9	75718	0.40	**0.59**	2.90
Dichlorotetrafluoroethane (F114)	170.9	76142	0.40	ND	ND
1,2-Dichloroethane (EDC)	99	107062	0.40	ND	ND
cis-1,2-Dichloroethene	97	156694	0.40	ND	ND
trans-1,2-Dichloroethene	97	156605	0.40	ND	ND
Dichloromethane (Methylene chloride)	84.9	75092	0.40	ND	ND
1,2-Dichloropropane	113	78875	0.40	ND	ND
cis-1,3-Dichloropropene	111	10061015	0.40	ND	ND
trans-1,3-Dichloropropene	111	10061026	0.40	ND	ND
Ethylbenzene	106	100411	0.40	ND	ND
Hexachlorobutadiene	260.8	87683	0.40	ND	ND
Styrene	104	100425	0.40	ND	ND
1,1,2,2-Tetrachloroethane	167.9	79345	0.40	ND	ND
Tetrachloroethene (PCE)	165.8	127184	0.40	ND	ND
Toluene	92	108883	0.40	**1.96**	7.38
1,1,1-Trichloroethane (TCA)	133.4	71556	0.40	ND	ND
1,1,2-Trichloroethane	133.4	79005	0.40	ND	ND
1,3,5-Trimethylbenzene	120.2	108678	0.40	ND	ND
1,2,4-Trimethylbenzene	120.2	95636	0.40	ND	ND
1,2,4-Trichlorobenzene	181.5	120821	0.40	ND	ND
Trichloroethene (TCE)	131.3	79016	0.40	ND	ND

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CLIENT

Project No.: **Titan Colleyville**

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Report Date: 29-Feb-12
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GD Air QC Batch: **QC-022712**
Method: EPATO14
NELAP Certification No.: ***T104704364***

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLE BY		SAMPLED DATE /RECEIVED		
7:15-9:15am DeNicola	Air	[redacted]		**02/09/12**	**02/22/12**	
CONSTITUENT	MW	CAS	PQL*	**RESULT**		NOTE
			ppbv	ppbv	ug/cu M	
Trichlorofluoromethane (F-11)	137.4	75694	0.40	ND	ND	
Trichloritrifluoroethane (F-113)	187.4	76131	0.40	ND	ND	
Vinyl Chloride	62.5	75104	0.40	ND	ND	
m&p-Xylenes	106	1330207	0.80	**2.09**	9.06	
o-Xylene	106	95476	0.40	**1.08**	4.68	
Naphthalene	128	91203	0.40	**1.42**	7.43	**T**
Carbon Disulfide	76	75150	0.40	**0.81**	2.52	**T**
Acetone	58	67641	0.40	**7.19**	17.1	**T**
Tentatively Identified Compounds (TIC)						
C4 Hydrocarbon	58		2.0	**4.20**	10.0	**N**
C5 Hydrocarbon	72		2.0	**1.40**	4.1	**N**

Surrogate Recovery Report			Spiked ppbv	Found ppbv	R%	
1,4-Difluorobenzene (SS1)	118.1	540363	5.00	5.15	103	
Bromofluorobenzene (SS2)	175	460004	5.00	5.37	107	

*Comparison with the method blank this sample run with a dilution factor of: **2.00**

N: Instrument calibration not performed for this analyte. Analyte determined as TIC & concentration is an estimate.
T: State of TX (TCEQ) does not offer accrediation for this compound.
Canister #607 was submitted at an initial pressure of -5.4psi and pressurized to 3.9psi.
*RESULTS Listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit).
* The control limit for Surrogate Recovery % of all spiked compound is 70% - 130%. Only one is required to pass.

GD Air Testing, Inc.

George Dai, Ph.D.
Laboratory Director
Data File: Chemstation/chem/02271222.D
Report File: GDAIR D:\Client_Report\GD12-0033-001-Guess

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CLIENT: **GD Air Testing, Inc.**

Project No.:

GD Air Testing Lab. ID:	**Method Blank**
Report Date:	02/27/12
Date Analyzed:	02/27/12
Analyzed by:	LAJ
GD Air QC Batch:	**QC-022712**
Method:	EPA TO14
NELAP Certification #:	***T104704364***

REPORT OF METHOD BLANK RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLE BY	SAMPLED DATE /RECEIVED		
BLK	Air				
CONSTITUENT	MW	CAS	PQL* ppbv	**RESULT** ppbv	NOTE ug/cu M
Benzene	78	71432	0.20	**ND**	ND
Benzylchloride	126.6	100447	0.20	**ND**	ND
Bromomethane (Methyl Bromide)	94.9	74839	0.20	**ND**	ND
Carbon tetrachloride	153.8	56235	0.20	**ND**	ND
Chlorobenzene	112.6	108907	0.20	**ND**	ND
Chloroethane (Ethyl Chloride)	64.5	75003	0.20	**ND**	ND
Chloroform	119	67663	0.20	**ND**	ND
Chloromethane (Methyl Chloride)	50.4	74873	0.20	**ND**	ND
1,2-Dibromoethane (EDB)	187.9	106934	0.20	**ND**	ND
1,2-Dichlorobenzene	147	95501	0.20	**ND**	ND
1,3-Dichlorobenzene	147	541731	0.20	**ND**	ND
1,4-Dichlorobenzene	147	106467	0.20	**ND**	ND
1,1-Dichloroethane	99	74343	0.20	**ND**	ND
1,1-Dichlorethene	97	75354	0.20	**ND**	ND
Dichlorodifluoromethane (F12)	120.9	75718	0.20	**ND**	ND
Dichlorotetrafluoroethane (F114)	170.9	76142	0.20	**ND**	ND
1,2-Dichloroethane (EDC)	99	107062	0.20	**ND**	ND
cis-1,2-Dichloroethene	97	156592	0.20	**ND**	ND
trans-1,2-Dichloroethene	97	156605	0.20	**ND**	ND
Dichloromethane (Methylene chloride)	84.9	75092	0.20	**ND**	ND
1,2-Dichloropropane	113	78875	0.20	**ND**	ND
cis-1,3-Dichloropropene	111	10061015	0.20	**ND**	ND
trans-1,3-Dichloropropene	111	10061026	0.20	**ND**	ND
Ethylbenzene	106	100414	0.20	**ND**	ND
Hexachlorobutadiene	260.8	87683	0.20	**ND**	ND
Styrene	104	100425	0.20	**ND**	ND
1,1,2,2-Tetrachloroethane	167.9	79345	0.20	**ND**	ND
Tetrachloroethene (PCE)	165.8	127184	0.20	**ND**	ND
Toluene	92	108883	0.20	**ND**	ND
1,1,1-Trichloroethane (TCA)	133.4	71556	0.20	**ND**	ND
1,1,2-Trichloroethane	133.4	79005	0.20	**ND**	ND
1,3,5-Trimethylbenzene	120.2	108678	0.20	**ND**	ND
1,2,4-Trimethylbenzene	120.2	95636	0.20	**ND**	ND
1,2,4-Trichlorobenzene	181.5	120821	0.20	**ND**	ND
Trichloroethene (TCE)	131.3	79016	0.20	**ND**	ND

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CLIENT: GD Air Testing, Inc.

Project No.: **QC**

GD Air Testing Lab. ID:	**Method Blank**
Report Date:	02/27/12
Date Analyzed:	02/27/12
Analyzed by:	LAJ
GD Air QC Batch:	**QC-022712**
Method:	EPA TO14
NELAP Certification #:	***T104704364***

REPORT OF METHOD BLANK RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLE BY		SAMPLED DATE /RECEIVED	
BLK	Air				
CONSTITUENT	MW	CAS	PQL* ppbv	**RESULT** ppbv	NOTE ug/cu M
Trichlorofluoromethane (F-11)	137.4	75694	0.20	**ND**	ND
Trichloritrifluoroethane (F-113)	187.4	76131	0.20	**ND**	ND
Vinyl Chloride	62.5	75014	0.20	**ND**	ND
m&p-Xylenes	106	1330207	0.40	**ND**	ND
o-Xylene	106	95476	0.20	**ND**	ND
Surrogate Recovery Report			Spiked ppbv	Found ppbv	R%
1,4-Difluorobenzene (SS1)	118.1	540363	5.00	4.57	91.4
Bromofluorobenzene (SS2)	175	460004	5.00	5.17	103

*Comparison with the method blank this sample run with a dilution factor of: **1.0**
*RESULTS Listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit).
* The control limit for Surrogate Recovery % of all spiked compound is 70% - 130%. Only one is required to pass.
*Concentrations in ug/cu M reported at 760 mm Hg pressure and 298 deg.K.
*QA/QC reports followed this report include: Method blank, Blank spike (BS) and Blank spike duplicate (BSD)

Respectfully submitted
GD Air Testing, Inc.

George Dai, Ph.D.
Laboratory Director

Data File: Chemstation/gd5973.I/02271211.D
Report File: GD SRI\D\QC12-TO14\Blank

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CLIENT: **GD Air Testing, Inc.**

Project No.:

GD Air Testing Lab. ID: **BS/BSD**
Report Date: 02/27/12
Date Analyzed: 02/27/12
Analyzed by: LAJ
GD Air QC Batch: **QC-022712**
Method: EPA TO14
NELAP Certification #: ***T104704364***

REPORT OF BLANK SPIKE RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLE BY	SAMPLED DATE /RECEIVED
BS/BSD	Air		

Spike Control Compounds	Spiked ppbv	Found and Recovery BS/ppbv	BS R%	BSD	BSD R%	% RPD
Vinyl Chloride	5.0	5.6	112	5.7	113	1.2
Methylene chloride (Dichloromethane)	5.0	5.9	118	6.0	120	1.7
1,1,1-Trichloroethane	5.0	6.0	119	5.8	116	2.7
1,2-Dichloroethane (EDC)	5.0	5.5	110	5.8	116	5.3
Benzene	5.0	5.4	108	5.5	110	1.8
Carbon tetrachloride	5.0	5.6	112	5.9	117	4.4
Trichloroethene (TCE)	5.0	4.9	98	5.0	100	2.0
Toluene	5.0	4.1	82	5.0	100	19.8
Chlorobenzene	5.0	4.7	94	5.0	100	6.2
Ethylbenzene	5.0	4.7	94	5.2	104	10.1
o-Xylene	5.0	4.7	94	5.2	104	10.1
Surrogate Recovery Report						
1,4-Difluorobenzene (SS1)	5.0	4.92	98.4	4.64	92.8	5.9
Bromofluorobenzene (SS2)	5.0	5.12	102.4	5.20	104.0	1.6

***CN**: See case narrative.
* The control limit for BS Recovery % of all spiked compound is 70% - 130%
* The control limit for relative percentage difference of BS/BSD is 30%
* If any control compound is not within the control limit, please see the case narrative for more details.
* The control limit for Surrogate Recovery % of all spiked compound is 70% - 130%. Only one is required to pass.

Respectfully submitted
GD Air Testing, Inc.

George Dai, Ph.D.
Laboratory Director

Data File: c:\chem\gd5973.I\02271207.D and 02271208.D
Report File: GD\SRI\D:\QC-TO14\BS-BSD

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