

L.A.B. Validation Corp.
14 West Point Drive
East Northport, NY 11731

Invoice

Date	Invoice #
11/7/2005	1219

Bill To
LBG, Inc. 110 Corporate Park Drive Suite 112 White Plains, NY 10604

Ship To
Sean LBG, Inc. 110 Corporate Park Drive, Suite 112 White Plains, NY 10604

P.O. Number	Terms	Rep	Ship	Via	F.O.B.	Project	
	Net 30	LAB	11/7/2005	Hand Deliver	Charlton		
Quantity	Item Code	Description			Price Each	Amount	
8	DV-VOA	Data Validation-AIR TO14/TO15 VOA			20.00	160.00	
Charlton Air-Lancaster Data Package SDG CHA01					Total \$160.00		

DATA VALIDATION REPORT

ORGANIC ANALYSES

EPA Compendium Method TO-14/TO-15 VOLATILES BY GC/MS

For Soil Gas Samples Collected
June 03, 2005, June 08, 2005, June 16, 2005, September 09, 2005
and September 14, 2005
Charlton Cleaners
New York
LBG, Inc.

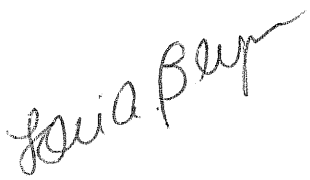
SAMPLE DELIVERY GROUP NUMBERS: TCC01, TCC02, CHA01
Lancaster Laboratories

SUBMITTED TO:

Mr. Sean Groszkowski
Leggette, Brashears, & Graham
110 Corporate Park Drive, Suite 112
White Plains, NY 10604

November 14, 2005

PREPARED BY:


Lori A. Beyer/President
L.A.B. Validation Corp.
14 West Point Drive
East Northport, NY 11731

Charlton Cleaners – New York.
Data Validation Report: Volatile Organics

Table of Contents:

	Introduction
	Data Qualifier Definitions
	Sample Receipt
1.0	Volatile Organics by GC/MS EPA Compendium Method TO-14/TO-15
1.1	Holding Time
1.2	Matrix Spikes (MS), Matrix Spike Duplicates (MSD)
1.3	Laboratory Control Sample
1.4	Blank Contamination
1.5	GC/MS Instrument Performance Check
1.6	Initial and Continuing Calibrations
1.7	Internal Standards
1.8	Target Compound List Identification
1.9	Compound Quantification and Reported Detection Limits
1.10	Overall System Performance

APPENDICES:

- A. Data Summary Tables with Qualifications
- B. Chain of Custody Documents
- C. SDG Narrative

Introduction:

A validation was performed on twenty-three (23) soil gas [air] samples for Volatile Organic analysis collected by LBG, Inc. and submitted to Lancaster Laboratories for subsequent analysis under chain of custody documentation. This report contains the laboratory and validation results for the twenty-three (23) field samples itemized below. The samples were collected on June 03, 2005 through September 14, 2005.

The samples were analyzed by Lancaster Laboratories utilizing EPA Method TO-14 and TO-15 and in accordance with NYSDEC Analytical Services Protocol (10/95) and submitted under NYSDEC ASP Category B equivalent deliverable requirements for the associated analytical methodology employed. The analytical testing consisted of the selected TO-14 and TO-15 Target Compound List (TCL) of analytes for Volatile Organics listed in Appendix A.

The data was evaluated in accordance with the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (Publication 9240.1-05) and in conjunction with the analytical methodology for which the samples were analyzed, where applicable and relevant.

The data validation report pertains to the following field soil gas/air samples:

Sample Identification	Laboratory Identification(s)	Sample Matrix	Collection Date
Outdoor Ambient Air	4538862	Air	06/03/05
Michaels-Indoor Air	4538863	Air	06/03/05
Coconuts-Indoor Air	4538864	Air	06/03/05
SG-1	4540159	Air	06/08/05
SG-3	4540160	Air	06/08/05
SG-4	4540161	Air	06/08/05
SG-5	4540162	Air	06/08/05
SG-6	4540163	Air	06/08/05
SG-7	4540164	Air	06/08/05
SG-8	4540165	Air	06/08/05
SG-9	4545499	Air	06/16/05
SG-10	4545500	Air	06/16/05
SG-11	4545501	Air	06/16/05
SG-12	4545502	Air	06/16/05
SG-2	4545503	Air	06/16/05
1 st Floor-Store Area	4600660	Air	09/09/05

Continued....

1 st Floor-Loading Dock	4600661	Air	09/09/05
Basement-Main Area	4600662	Air	09/09/05
Basement-Equipment Room	4600663	Air	09/09/05
SG-13	4604358	Air	09/14/05
SG-14	4604359	Air	09/14/05
SG-15	4604360	Air	09/14/05
SG-16	4604361	Air	09/14/05

Data Qualifier Definitions:

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.**
- J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.**
- UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.**
- R - The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.**
- N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification.”**
- NJ - The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate quantity.**

Sample Receipt:

The Chain of Custody documents indicates that summa canister air samples were received at Lancaster Laboratories in good condition. Sample login notes and the chain of custody indicate that at the Validated Time of Sample Receipt (VTSR) at the laboratory no discrepancies were notated and therefore the integrity of the samples is assumed to be good.

The data summary tables included in Appendix A includes all usable (qualified) and unusable (rejected) results for the samples identified above. These tables summarize the detailed narrative section of the report. All data validation qualifications have been reported in the excel spreadsheet in bold for ease of review and verification.

NOTE:

L.A.B. Validation Corp. believes it is appropriate to note that the data validation criteria utilized for data evaluation is different than the method requirements utilized by the laboratory. Qualified data does not necessarily mean that the laboratory was non-compliant in the analysis that was performed.

Volatile Organics by EPA Compendium Method TO-14/TO-15

The following method criteria were reviewed: holding times, LCS, Blanks, Tunes, Calibrations, Internal Standards, Target Component Identification and Quantitation, Reported Quantitation Limits and Overall System Performance. The volatile results were considered to be valid and useable as noted on the data summary tables in Appendix A and within the following text:

1.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

Air samples pertaining to these SDGs were performed within the method required thirty (30) days from sample collection for analysis. No qualifications were required based upon holding time criteria.

1.2 Matrix Spikes (MS)/ Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices.

Matrix Spike/Matrix Spike Duplicate analysis was not performed on samples pertaining to this SDG, however, LCS was analyzed and acceptable recoveries for all spiked components were observed for SDGs TCC01 and TCC02. No qualifications to the data were made for samples pertaining to these SDGs.

1.3 Laboratory Control Sample

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

All compounds recovered well in the Laboratory Control Samples for SDGs TCC01 and TCC02. No qualifiers were applied.

The LCS applicable to SDG CHA01 was spiked with all analyzed components applicable to the reporting lists in TO-14 and TO-15. Several analytes recovered high (>130%) and therefore the reported concentrations provided in the summary tables in Appendix A must be considered estimated, biased high, "J." No qualifications were made to non-detects. The applicable analytes are: 1,1,2,2-Tetrachloroethane, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,1,1-Trichloroethane, Styrene, 1,2-Dichlorobenzene and 1,2,4-Trichlorobenzene.

1.4 Blank Contamination

Quality assurance (QA) blanks; i.e. method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations. Storage blanks measure cross-contamination during sample storage of the field samples.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

For:	Flag Sample Result with a "U" when:	Report CRQL & Qualify "U" when:	No Qualification is Needed when:
Methylene Chloride, Acetone, Toluene & 2-Butanone	Sample Conc. Is >CRQL, but $\leq 10\times$ blank value	Sample Conc. is <CRQL and $\leq 10\times$ blank value	Sample Conc. is >CRQL and $> 10\times$ blank value
Other Contaminants	Sample Conc. Is >CRQL, but $\leq 5\times$ blank value	Sample Conc. Is <CRQL and $\leq 5\times$ blank value	Sample Conc. is >CRQL and $> 5\times$ blank value

Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

A) Method Blank Contamination:

Target analytes were not detected in any of the associated method blanks pertaining to these SDGs.

B) Field Blank Contamination:

Field Blank analysis was not conducted for these SDGs.

C) Trip Blank Contamination:

Trip Blank analysis was not submitted with these SDGs.

D) Storage Blank Contamination:

Storage blanks were not submitted for this SDG. It should be noted that storage blanks are not mandated by EPA Method TO-14/TO-15.

1.5 GC/MS Instrument Performance Check

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for volatile organics is Bromofluorobenzene (BFB).

Instrument performance was generated within acceptable limits and frequency for Bromofluorobenzene (BFB) for all analyses conducted for this SDG.

1.6 Initial and Continuing Calibrations

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be ≥ 0.05 in both initial and continuing calibrations. A value < 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound in the corresponding samples will be rejected, "R".

All the response factors for the target analytes reported were found to be within acceptable limits (≥ 0.05), for the initial and continuing calibrations.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be $< 30\%$ and %D must be $< 25\%$. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detect data may be qualified, "R", unusable. Additionally, in cases where the %RSD is $> 30\%$ and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 30% then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high level results will be qualified, "J" in the portion of the curve where non linearity exists.

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits (30%) for all target compounds.

Continuing Calibrations: The continuing calibrations provided and the %D were within acceptable limits (25%) with the following exceptions:

CCAL – 06/14/05:

1,2,4-Trichlorobenzene – 70.0%

Sample results have been qualified “J” and “UJ” as required for this analyte for all samples pertaining to SDG TCC02 .

1.7 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than +/- 30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated, “J”, and all non-detects as “UJ”, or “R” if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

Internal Standard area responses met QC requirements for all analysis pertaining to this data set.

1.8 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

GC/MS spectra met the qualitative criteria for identification. All retention times were within required specifications.

1.9 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is considered to be acceptable. Correct internal standards and response factors and air volumes were used to calculate final concentrations.

Samples were analyzed using reduced sample volumes as determined from the autodilutor. Review of the raw data and subsequent target concentration justify the dilution that was performed. Sample quantitation limits have been adjusted for the purge volume of air conducted.

In cases where the concentrations of target analytes were over the instruments' linear calibration range a secondary diluted reanalysis was performed as required.

Usable results have been hybridized on the corresponding summary tables and on the "Form I's" throughout the laboratory report.

1.10 Overall System Performance

GC/MS analytical methodology was acceptable for this analysis.

Reviewer's Signature Lou A. Bay Date 11/10/05

Appendix A

Data Summary Tables

With Qualifications

VOLATILE ORGANICS EPA Compendium METHOD TO-14/TO-15

Charlton Cleaners, NY
SDG TCC01, TCC02, CHA01
LBG Sample ID
Laboratory ID:
Sampling Date:
Dilution Factor:

SUG TCC017, TCC02, CHA01	Outdoor Ambient Air	Michaelis-Indoor Air	Coconuts-Indoor Air	SG-1	SG-3
LBG Sample ID	4538863	4538863	4538864	4540159	4540160
Laboratory ID:	6/3/2005	6/3/2005	6/3/2005	6/8/2005	6/8/2005
Sampling Date:	1	1	1	1	2
Dilution Factor:					
	Units:				
Gas #	Analyte	ug/m3	4.0 J	3.0 J	4.0 J
75-71-8	Dichlorodifluoromethane	ug/m3	1.0 U	1.0 U	3.0 U
76-14-2	Freon 114	ug/m3	0.50 U	0.50 U	3.0 U
74-87-3	Chloromethane	ug/m3	0.40 U	0.50 U	1.0 U
75-01-4	Vinyl Chloride	ug/m3	21	72	0.80 U
74-83-9	Bromomethane	ug/m3	0.80 U	0.80 U	2.0 U
75-00-3	Chloroethane	ug/m3	0.50 U	0.50 U	1.0 U
76-69-4	Trichlorofluoromethane	ug/m3	2.0 J	2.0 J	3.0 J
75-35-4	1,1-Dichloroethene	ug/m3	0.90 J	0.80 U	81
76-13-1	Freon 113	ug/m3	4.0 U	4.0 U	8.0 U
107-05-1	3-Chloropropene	ug/m3	2.0 U	2.0 U	3.0 U
75-09-2	Methylene Chloride	ug/m3	4.0	81	96
75-34-3	1,1-Dichloroethane	ug/m3	0.80 U	0.80 U	120
156-59-2	cis-1,2-Dichloroethene	ug/m3	0.80 U	120	120
67-66-3	Chloroform	ug/m3	1.0 U	1.0 U	4.0 J
71-55-6	1,1,1-Trichloroethane	ug/m3	1.0 U	1.0 U	170 J
56-23-5	Carbon Tetrachloride	ug/m3	1.0 U	83	2.0 U
107-06-2	1,2-Dichloroethane	ug/m3	0.80 U	0.80 U	130
71-43-2	Benzene	ug/m3	2.0 J	74	70
79-01-6	Trichloroethene	ug/m3	1.0 U	1.0 U	160
78-87-5	1,2-Dichloropropane	ug/m3	0.90 U	0.90 U	2.0 U
10061-01-5	cis-1,3-Dichloropropene	ug/m3	0.90 U	0.90 U	2.0 U
108-88-3	Toluene	ug/m3	0.90 U	0.90 U	2.0 U
10061-02-6	trans-1,3-Dichloropropene	ug/m3	67	360	430
79-00-5	1,1,2-Trichloroethane	ug/m3	0.90 U	0.90 U	2.0 U
127-18-4	Tetrachloroethene	ug/m3	4000	1.0 J	230
106-93-4	1,2-Dibromoethane	ug/m3	2.0 U	2.0 U	400
108-90-7	Chlorobenzene	ug/m3	0.90 U	0.90 U	180
100-41-4	Ethylbenzene	ug/m3	19	33	56
1330-20-7	Xylene (m,p)	ug/m3	33	110	190
95-47-6	Xylene (o)	ug/m3	14	42	38
100-42-5	Styrene	ug/m3	6.0	2.0 J	3.0 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/m3	1.0 U	1.0 U	16
622-96-8	4-Ethyltoluene	ug/m3	5.0 J	2.0 J	15
108-67-8	1,3,5-Trimethylbenzene	ug/m3	3.0 J	6.0	36
95-63-6	1,2,4-Trimethylbenzene	ug/m3	2.0 J	2.0 J	13
541-73-1	1,3-Dichlorobenzene	ug/m3	3.0 U	3.0 U	32
106-46-7	1,4-Dichlorobenzene	ug/m3	3.0 U	3.0 U	15
95-50-1	1,2-Dichlorobenzene	ug/m3	3.0 U	7.0 U	59
120-82-1	1,2,4-Trichlorobenzene	ug/m3	7.0 U	7.0 U	7.0 UU

SG-4	SG-5	SG-6	SG-7	SG-8	SG-9
4540161	4540162	4540163	4540164	4540165	4540169
6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/8/2005	6/16/2005
1	1	1	1	1	10
3.0 J	3.0 J	3.0 J	3.0 J	6.0	49 U
1.0 U	1.0 U	1.0 U	1.0 U	5.0	69 U
3.0	1.0 J	2.0	1.0 J	2.0	20.0
29	2000	0.80 U	0.70 J	2.0	32
0.80 U	0.80 U	0.80 U	0.80 U	6.0	38 U
0.50 U	0.50 U	0.50 U	0.50 U	7.0	26 U
5.0 J	2.0 J	2.0 J	2.0 J	17	56 U
23	9.0	12	12	7.0	39 U
4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	76 U
2.0 U	2.0 U	2.0 U	2.0 U	18	31 U
38	35	22	15	25	68
55	60	35	15	24	40 U
56	7600	31	22	39	600
3.0 J	1.0 J	3.0 J	3.0 J	37	48 U
74	79	47	21	5.0	54 U
1.0 U	1.0 U	1.0 U	1.0 U	36	62 U
66	69	46	16	44	40 U
90	87	94	27	38	32 U
81	780	44	47	1.0	350
0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	46 U
0.90 U	0.90 U	0.90 U	0.90 U	4.0	45 U
490	270	370	220	800	120
0.90 U	0.90 U	0.90 U	0.90 U	5.0	45 U
1.0 U	1.0 U	1.0 U	1.0 U	1.0	54 U
140	890	79	2100	68	12000
180	210	120	66	92	76 U
87	100	56	29	48	46 U
68	42	50	42	74	43 U
220	150	170	160	220	72
48	44	49	29	40	43 U
6.0	5.0	5.0	4.0	19	43 U
1.0 U	1.0 U	1.0 U	1.0 U	1.0	68 U
16	1.0 U	12	16	13	49 U
16	5.0	5.0	9.0	14	49 U
76	14	18	27	27	49 U
3.0 U	3.0 U	3.0 U	4.0 J	12	60 U
3.0 U	3.0 U	3.0 U	5.0 J	27	60 U
3.0 U	3.0 U	3.0 U	5.0 J	13	60 U
7.0 UJ	7.0 UJ	7.0 UJ	7.0 J	140	74 UJ

SG-10	SG-11	SG-12	SG-2	1st Floor-Store Area	1st Floor-Loading Dock
4545500	4545501	4545502	4545503	4600660	4600661
6/16/2005	6/16/2005	6/16/2005	6/16/2005	9/9/2005	9/9/2005
1	5	1	10	1	1
5.0 U	25 U	8.0	49 U	5.0	3.0 J
7.0 U	35 U	7.0 U	69 U	1.0 U	4.0 J
2.0 U	10 U	2.0 U	20 U	3.0	1.0 J
720	13 U	78	25 U	0.50 U	2.0 J
4.0 U	19 U	4.0 U	38 U	0.80 U	0.80 U
3.0 U	13 U	3.0 U	26 U	0.50 U	0.50 U
6.0 U	28 U	6.0 U	56 U	2.0 J	1.0 J
12	20 U	5.0	39 U	0.80 U	0.80 U
8.0 U	38 U	8.0 U	76 U	4.0 U	4.0 U
3.0 U	16 U	3.0 U	31 U	2.0 U	2.0 U
4.0	760	20	1800	3.0	2.0 U
4.0 U	20 U	4.0 U	40 U	0.80 U	0.80 U
2500	920	440	320	7.0	22
5.0 U	24 U	5.0 U	48 U	1.0 U	1.0 U
5.0 U	27 U	5.0 U	54 U	1.0 U	1.0 U
6.0 U	31 U	6.0 U	62 U	1.0 U	1.0 U
5.0	20 U	7.0	40 U	8.0	6.0
8.0	16 U	14	32 U	3.0	1.0 J
720	690	470	4400	2.0 J	4.0 J
5.0 U	23 U	5.0 U	46 U	0.90 U	0.90 U
5.0 U	22 U	5.0 U	45 U	0.90 U	0.90 U
79 U	130	100	120	66	49
5.0 U	22 U	5.0 U	45 U	0.90 U	0.90 U
5.0 U	27 U	5.0 U	54 U	1.0 U	1.0 U
8700	7600	1400	19000	90	320
8.0 U	38 U	8.0 U	76 U	2.0 U	2.0 U
5.0 U	23 U	5.0 U	46 U	0.90 U	0.90 U
14	22 U	20	43 U	12	8.0
44	63	72	91	28	18
15	22 U	21	43 U	9.0	6.0
4.0 U	21 U	4.0 U	43 U	7.0 J	6.0 J
7.0 U	34 U	7.0 U	68 U	1.0 U	1.0 U
9.0	25 U	12	49 U	5.0	4.0 J
5.0 U	25 U	6.0	49 U	2.0 J	2.0 J
13	25 U	19	49 U	8.0 J	8.0 J
6.0 U	30 U	6.0 U	60 U	3.0 U	3.0 U
6.0 U	30 U	6.0 U	60 U	3.0 U	3.0 U
6.0 U	30 U	6.0 U	60 U	3.0 U	3.0 U
7.0 UJ	37 UJ	7.0 UJ	74 UJ	7.0 U	7.0 U

Basement-Main Area
4600662
9/9/2005

Basement-Equipment Room
4600663
9/9/2005

SG-13
4604358
9/14/2005

SG-14
4604359
9/14/2005

SG-15
4604360
9/14/2005

SG-16
4604361
9/14/2005

3.0 J
7.0
2.0
2.0 J
0.80 U
0.50 U
1.0 J
0.80 U
4.0 U
2.0 U
2.0 J
0.80 U
120
1.0 U
1.0 U
1.0 U
21
3.0
20
0.90 U
0.90 U
92
0.90 U
1.0 U
1200
2.0 U
0.90 U
14
30
11
16 J
1.0 U
5.0
3.0 J
3.0 J
11 J
3.0 U
3.0 U
3.0 U
7.0 U

3.0 J
4.0 J
1.0 J
17
0.80 U
0.50 U
1.0 J
0.80 U
4.0 U
2.0 U
2.0 U
0.80 U
190
1.0 U
1.0 U
1.0 U
13
2.0 J
34
0.90 U
0.90 U
33
0.90 U
1.0 U
2600
2.0 U
0.90 U
8.0
16
6.0
8.0 J
1.0 U
3.0 J
1.0 J
5.0 J
3.0 U
3.0 U
3.0 U
7.0 U

180
14 U
150
1500
7.8 U
5.3 U
11 U
140
38 U
6.3 U
17 U
8.1 U
3600
9.8 U
20 J
13 U
8.1 U
48
7900
9.2 U
9.1 U
24 J
9.1 U
11 U
30000
15 U
9.2 U
8.7 J
34 J
15 J
8.5 U
14 U
9.8 U
9.8 U
9.8 U
30 U
30 U
30 U
74 U

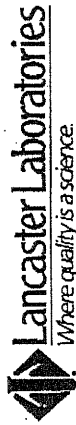
84 J
70 U
21 U
240
39 U
26 U
56 U
48 J
190 U
31 U
87 U
40 U
1300
49 U
55 U
63 U
40 U
160
2000
46 U
45 U
380
45 U
55 U
10000
77 U
46 U
48 J
160 J
46 J
43 U
69 U
49 U
49 U
52 J
150 U
150 U
150 U
370 U

130.0
14 U
8.0 J
21 J
7.8 U
5.3 U
11 U
7.9 U
38 U
6.3 U
17 U
8.1 U
36 J
9.8 U
11 U
13 U
13 J
6.4 U
42 J
9.2 U
9.1 U
110
9.1 U
11 U
1000
15 U
9.2 U
17 J
39 J
15 J
12 J
14 U
9.8 U
9.8 U
12 J
30 U
30 U
30 U
74 U

20 U
28 U
8.3 U
480
16 U
11 U
22 U
16 U
77 U
13 U
35 U
16 U
110
28 J
22 U
25 U
16 U
13 U
34.0 J
18 U
20 J
18 U
22 U
120 J
31 U
18 U
17 U
17 U
17 U
17 U
27 U
20 U
20 U
20 U
60 U
60 U
60 U
150 U

Appendix B

Chain of Custody



Where quality is a science.

For Lancaster Laboratories use only

Group#	Sample #
946426	

Acct. # 136b

Group#	Sample #
946426	

COC # 0088726

Please print. Instructions on reverse side correspond with circled numbers.

[illegible]

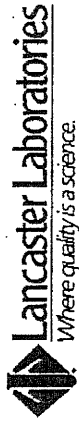
2102 Rev. 10/27/02

(717) 656-2300

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Analysis Request / Environmental Services Chain of Custody

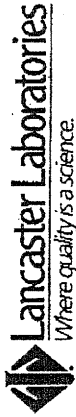


For Lancaster Laboratories use only
 Acct. # 11365 Group # 946702 Sample # 454015965 **COC #** 0088733

Please print. Instructions on reverse side correspond with circled numbers.

1 Client: <u>LBG, Inc (Co TOXIKON)</u> Acct. #: _____ Project Name: <u>CHARLTON CLEANED</u> PWSID #: _____ Project Manager: <u>SEAN GROSZKOWSKI</u> P.O. #: _____ Sampler: <u>SEAN GROSZKOWSKI</u> Quote #: _____ Name of state where samples were collected: <u>New York</u>		5 For Lab Use Only FSC: _____ SCR #: _____																																																																																																																																																																							
2 <table border="1"> <thead> <tr> <th>Sample ID</th> <th>Analysis #</th> <th>Date</th> <th>Time</th> <th>Collection</th> </tr> </thead> <tbody> <tr> <td>SG-1</td> <td>0410</td> <td>6/8/05</td> <td></td> <td></td> </tr> <tr> <td>SG-3</td> <td>0203</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SG-4</td> <td>031</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SG-5</td> <td>0337</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SG-6</td> <td>0310</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SG-7</td> <td>0404</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SG-8</td> <td>0205</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Sample ID	Analysis #	Date	Time	Collection	SG-1	0410	6/8/05			SG-3	0203				SG-4	031				SG-5	0337				SG-6	0310				SG-7	0404				SG-8	0205				4 <table border="1"> <thead> <tr> <th>Sample ID</th> <th>Analysis #</th> <th>Date</th> <th>Time</th> <th>Collection</th> </tr> </thead> <tbody> <tr> <td>SG-1</td> <td>0410</td> <td>6/8/05</td> <td></td> <td></td> </tr> <tr> <td>SG-3</td> <td>0203</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SG-4</td> <td>031</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SG-5</td> <td>0337</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SG-6</td> <td>0310</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SG-7</td> <td>0404</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SG-8</td> <td>0205</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Sample ID	Analysis #	Date	Time	Collection	SG-1	0410	6/8/05			SG-3	0203				SG-4	031				SG-5	0337				SG-6	0310				SG-7	0404				SG-8	0205				3 <table border="1"> <thead> <tr> <th>Sample ID</th> <th>Analysis #</th> <th>Date</th> <th>Time</th> <th>Collection</th> </tr> </thead> <tbody> <tr> <td>SG-1</td> <td>0410</td> <td>6/8/05</td> <td></td> <td></td> </tr> <tr> <td>SG-3</td> <td>0203</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SG-4</td> <td>031</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SG-5</td> <td>0337</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SG-6</td> <td>0310</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SG-7</td> <td>0404</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SG-8</td> <td>0205</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Sample ID	Analysis #	Date	Time	Collection	SG-1	0410	6/8/05			SG-3	0203				SG-4	031				SG-5	0337				SG-6	0310				SG-7	0404				SG-8	0205				6 <table border="1"> <thead> <tr> <th>Sample ID</th> <th>Analysis #</th> <th>Date</th> <th>Time</th> <th>Collection</th> </tr> </thead> <tbody> <tr> <td>SG-1</td> <td>0410</td> <td>6/8/05</td> <td></td> <td></td> </tr> <tr> <td>SG-3</td> <td>0203</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SG-4</td> <td>031</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SG-5</td> <td>0337</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SG-6</td> <td>0310</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SG-7</td> <td>0404</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SG-8</td> <td>0205</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Sample ID	Analysis #	Date	Time	Collection	SG-1	0410	6/8/05			SG-3	0203				SG-4	031				SG-5	0337				SG-6	0310				SG-7	0404				SG-8	0205				Remarks <u>CATEGORY B</u> <u>DELIVERABLES</u>	
Sample ID	Analysis #	Date	Time	Collection																																																																																																																																																																					
SG-1	0410	6/8/05																																																																																																																																																																							
SG-3	0203																																																																																																																																																																								
SG-4	031																																																																																																																																																																								
SG-5	0337																																																																																																																																																																								
SG-6	0310																																																																																																																																																																								
SG-7	0404																																																																																																																																																																								
SG-8	0205																																																																																																																																																																								
Sample ID	Analysis #	Date	Time	Collection																																																																																																																																																																					
SG-1	0410	6/8/05																																																																																																																																																																							
SG-3	0203																																																																																																																																																																								
SG-4	031																																																																																																																																																																								
SG-5	0337																																																																																																																																																																								
SG-6	0310																																																																																																																																																																								
SG-7	0404																																																																																																																																																																								
SG-8	0205																																																																																																																																																																								
Sample ID	Analysis #	Date	Time	Collection																																																																																																																																																																					
SG-1	0410	6/8/05																																																																																																																																																																							
SG-3	0203																																																																																																																																																																								
SG-4	031																																																																																																																																																																								
SG-5	0337																																																																																																																																																																								
SG-6	0310																																																																																																																																																																								
SG-7	0404																																																																																																																																																																								
SG-8	0205																																																																																																																																																																								
Sample ID	Analysis #	Date	Time	Collection																																																																																																																																																																					
SG-1	0410	6/8/05																																																																																																																																																																							
SG-3	0203																																																																																																																																																																								
SG-4	031																																																																																																																																																																								
SG-5	0337																																																																																																																																																																								
SG-6	0310																																																																																																																																																																								
SG-7	0404																																																																																																																																																																								
SG-8	0205																																																																																																																																																																								
7 Turnaround Time Requested (TAT) (please circle) <u>Normal</u> <u>Rush</u> (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: _____ Rush results requested by (please circle): Phone <u>614 694-5711</u> Fax <u>614 694-5744</u> E-mail _____ E-mail address: <u>SGROSZKOWSKI@LBGLAB.COM</u>					8 Data Package Options (please circle if required) <table border="1"> <tr> <th>QC Summary</th> <th>Type VI (Raw Data)</th> <th>SDG Complete?</th> </tr> <tr> <td>Type I (Tier I)</td> <td>GLP</td> <td>Yes No</td> </tr> <tr> <td>Type II (Tier II)</td> <td>Other</td> <td>Yes No</td> </tr> <tr> <td>Type III (NJ Red. Del.)</td> <td></td> <td>Yes No</td> </tr> <tr> <td>Type IV (CLP)</td> <td></td> <td>Yes No</td> </tr> </table>					QC Summary	Type VI (Raw Data)	SDG Complete?	Type I (Tier I)	GLP	Yes No	Type II (Tier II)	Other	Yes No	Type III (NJ Red. Del.)		Yes No	Type IV (CLP)		Yes No																																																																																																																																																	
QC Summary	Type VI (Raw Data)	SDG Complete?																																																																																																																																																																							
Type I (Tier I)	GLP	Yes No																																																																																																																																																																							
Type II (Tier II)	Other	Yes No																																																																																																																																																																							
Type III (NJ Red. Del.)		Yes No																																																																																																																																																																							
Type IV (CLP)		Yes No																																																																																																																																																																							
9 <table border="1"> <thead> <tr> <th>Relinquished by:</th> <th>Date</th> <th>Time</th> <th>Received by:</th> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td><u>[Signature]</u></td> <td></td> <td></td> <td><u>[Signature]</u></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					Relinquished by:	Date	Time	Received by:	Date	Time	<u>[Signature]</u>			<u>[Signature]</u>																																																																																																																																																											
Relinquished by:	Date	Time	Received by:	Date	Time																																																																																																																																																																				
<u>[Signature]</u>			<u>[Signature]</u>																																																																																																																																																																						

Analysis Request / Environmental Services Chain of Custody



For Lancaster Laboratories use only

Acct. # 11365 Group# 947806 Sample # 4545499-503 **COC #** 0088732

Please print. Instructions on reverse side correspond with circled numbers.

1 Client: <u>LBG INC. (CO. TOXIKON)</u> Acct. #: _____ Project Name#: <u>CHARLTON CLEANERS</u> PWSID #: _____ Project Manager: <u>SEAN GROZKOWSKI</u> P.O. #: _____ Sampler: <u>SEAN GROZKOWSKI</u> Quote #: _____ Name of state where samples were collected: <u>NEW YORK</u>		2 <table border="1"> <thead> <tr> <th>Sample ID</th> <th>Category</th> <th>Date</th> <th>Time</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>SG-9</td> <td>0986</td> <td>6/16/05</td> <td>9⁴⁵ 9⁴⁶</td> <td rowspan="5"> 6 CATEGORY B DELIVERABLES </td> </tr> <tr> <td>SG-10</td> <td>0992</td> <td></td> <td>9⁵² 10⁰⁷</td> </tr> <tr> <td>SG-11</td> <td>0984</td> <td></td> <td>10²² 10³⁰</td> </tr> <tr> <td>SG-12</td> <td>0993</td> <td></td> <td>11⁰⁰ 11¹⁰</td> </tr> <tr> <td>SG-2</td> <td>0987</td> <td></td> <td>13⁰³ 13¹³</td> </tr> </tbody> </table>		Sample ID	Category	Date	Time	Remarks	SG-9	0986	6/16/05	9 ⁴⁵ 9 ⁴⁶	6 CATEGORY B DELIVERABLES	SG-10	0992		9 ⁵² 10 ⁰⁷	SG-11	0984		10 ²² 10 ³⁰	SG-12	0993		11 ⁰⁰ 11 ¹⁰	SG-2	0987		13 ⁰³ 13 ¹³	3 <table border="1"> <thead> <tr> <th>Category</th> <th>Date</th> <th>Time</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>TO-14</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DELIVERABLES</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DELIVERABLES</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Category	Date	Time	Remarks	TO-14				DELIVERABLES				DELIVERABLES				4 <table border="1"> <thead> <tr> <th>Category</th> <th>Date</th> <th>Time</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>TO-14</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DELIVERABLES</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DELIVERABLES</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Category	Date	Time	Remarks	TO-14				DELIVERABLES				DELIVERABLES				5 <table border="1"> <thead> <tr> <th>Category</th> <th>Date</th> <th>Time</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>TO-14</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DELIVERABLES</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DELIVERABLES</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Category	Date	Time	Remarks	TO-14				DELIVERABLES				DELIVERABLES				6 <table border="1"> <thead> <tr> <th>Category</th> <th>Date</th> <th>Time</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>TO-14</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DELIVERABLES</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DELIVERABLES</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Category	Date	Time	Remarks	TO-14				DELIVERABLES				DELIVERABLES			
Sample ID	Category	Date	Time	Remarks																																																																																																	
SG-9	0986	6/16/05	9 ⁴⁵ 9 ⁴⁶	6 CATEGORY B DELIVERABLES																																																																																																	
SG-10	0992		9 ⁵² 10 ⁰⁷																																																																																																		
SG-11	0984		10 ²² 10 ³⁰																																																																																																		
SG-12	0993		11 ⁰⁰ 11 ¹⁰																																																																																																		
SG-2	0987		13 ⁰³ 13 ¹³																																																																																																		
Category	Date	Time	Remarks																																																																																																		
TO-14																																																																																																					
DELIVERABLES																																																																																																					
DELIVERABLES																																																																																																					
Category	Date	Time	Remarks																																																																																																		
TO-14																																																																																																					
DELIVERABLES																																																																																																					
DELIVERABLES																																																																																																					
Category	Date	Time	Remarks																																																																																																		
TO-14																																																																																																					
DELIVERABLES																																																																																																					
DELIVERABLES																																																																																																					
Category	Date	Time	Remarks																																																																																																		
TO-14																																																																																																					
DELIVERABLES																																																																																																					
DELIVERABLES																																																																																																					
7 Turnaround Time Requested (TAT) (please circle): Normal Rush (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: _____ Rush results requested by (please circle): Phone Fax E-mail Phone #: <u>(914) 694-5711</u> Fax #: <u>(914) 694-5744</u> E-mail address: <u>GROZKOWSKI@LBG-NY.COM</u>				8 Data Package Options (please circle if required) SDG Complete? Yes No QC Summary Type VI (Raw Data) Yes No Type I (Tier I) GLP Site-specific QC required? Yes No Type II (Tier II) Other (If yes, indicate QC sample and submit triplicate volume.) Type III (NJ Red. Del.) Internal Chain of Custody required? Yes No Type IV (CLP)																																																																																																	
9 <table border="1"> <thead> <tr> <th>Relinquished by:</th> <th>Date</th> <th>Time</th> <th>Received by:</th> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td><i>[Signature]</i></td> <td>6/16/05</td> <td>13⁰⁰</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Relinquished by:	Date	Time	Received by:	Date	Time	<i>[Signature]</i>	6/16/05	13 ⁰⁰																												9 <table border="1"> <thead> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>6/17/05</td> <td>0900</td> </tr> </tbody> </table>		Date	Time	6/17/05	0900																																																								
Relinquished by:	Date	Time	Received by:	Date	Time																																																																																																
<i>[Signature]</i>	6/16/05	13 ⁰⁰																																																																																																			
Date	Time																																																																																																				
6/17/05	0900																																																																																																				

Analysis Request / Environmental Services Chain of Custody



For Lancaster Laboratories use only

Acct. # 11827 Group # 958797 Sample # 4600660-63

COC # 0092589

Please print. Instructions on reverse side correspond with circled numbers.

1 Client: <u>LBGT, INC.</u> Acct. #: _____ Project Name: <u>CHARLTON CLEANERS</u> PWSID #: _____ Project Manager: <u>SEAN GROSZKOWSKI</u> P.O. #: _____ Sampler: _____ Quote #: _____ Name of state where samples were collected: <u>NEW YORK</u>		4 Analysis Requested FSC: _____ SCR #: _____		6 For Lab Use Only FSC: _____ SCR #: _____	
2 Sample Identification Sample ID: _____ Date: _____ Time: _____		5 Remarks <u>T-0-15</u> <u>CATEGORY B</u> <u>DELIVERABLES</u>			
3 Sample Collection Location: <u>1ST FLOOR - STORE AREA</u> Date: <u>9/9/05</u> Time: <u>9:05-10:10</u> <u>1ST FLOOR - LOADING DOCK</u> Date: <u>9/9/05</u> Time: <u>9:08-11:15</u> <u>BASEMENT - MAIN AREA</u> Date: <u>9/9/05</u> Time: <u>9:11-11:35</u> <u>BASEMENT - EQUIPMENT ROOM</u> Date: <u>9/9/05</u> Time: <u>9:15-11:40</u>		7 Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: _____ Rush results requested by (please circle): Phone Fax E-mail Phone #: <u>(914) 694-5711</u> Fax #: <u>(914) 694-5754</u> E-mail address: <u>GROSZKOWSKI@LBGT.COM</u>			
8 Data Package Options (please circle if required) QC Summary Type VI (Raw Data) SDG Complete? Yes No Type I (Tier I) GLP Site-specific QC required? Yes No Type II (Tier II) Other (If yes, indicate QC sample and submit triplicate volume.) Type III (NJ Red. Del.) Internal Chain of Custody required? Yes No Type IV (CLP)		9 Relinquished by: _____ Date: _____ Time: _____ Relinquished by: _____ Date: _____ Time: _____ Relinquished by: _____ Date: _____ Time: _____ Relinquished by: _____ Date: _____ Time: _____ Relinquished by: _____ Date: _____ Time: _____			

Analysis Request / Environmental Services Chain of Custody



Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only

Acct. # 11827 Group # 959550 Sample # 4604358 **COC # 0092590**

Please print. Instructions on reverse side correspond with circled numbers.

1 Client: <u>L.B.G. Inc.</u> Acct. #: _____ Project Name: <u>CHARLTON CLEANERS</u> PWSID #: _____ Project Manager: <u>SEAN GOSZKOWSKI</u> P.O. #: _____ Sampler: <u>" "</u> Quote #: _____ Name of state where samples were collected: <u>NEW YORK</u>		2 <table border="1"> <thead> <tr> <th>Sample ID</th> <th>Analysis Requested</th> <th>Date Collected</th> <th>Time Collected</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>SG-13</td> <td>0989</td> <td>9/14/05</td> <td>11:52</td> <td rowspan="4"> Category B DELIVERABLE </td> </tr> <tr> <td>SG-14</td> <td>0997</td> <td>11/3/11</td> <td>11:49</td> </tr> <tr> <td>SG-15</td> <td>0990</td> <td>12/20/10</td> <td>12:10</td> </tr> <tr> <td>SG-16</td> <td>0976</td> <td>12/25/10</td> <td>12:35</td> </tr> </tbody> </table>		Sample ID	Analysis Requested	Date Collected	Time Collected	Remarks	SG-13	0989	9/14/05	11:52	Category B DELIVERABLE 	SG-14	0997	11/3/11	11:49	SG-15	0990	12/20/10	12:10	SG-16	0976	12/25/10	12:35	3 <table border="1"> <thead> <tr> <th>Sample ID</th> <th>Analysis Requested</th> <th>Date Collected</th> <th>Time Collected</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>SG-13</td> <td>0989</td> <td>9/14/05</td> <td>11:52</td> <td rowspan="4"> Category B DELIVERABLE </td> </tr> <tr> <td>SG-14</td> <td>0997</td> <td>11/3/11</td> <td>11:49</td> </tr> <tr> <td>SG-15</td> <td>0990</td> <td>12/20/10</td> <td>12:10</td> </tr> <tr> <td>SG-16</td> <td>0976</td> <td>12/25/10</td> <td>12:35</td> </tr> </tbody> </table>		Sample ID	Analysis Requested	Date Collected	Time Collected	Remarks	SG-13	0989	9/14/05	11:52	Category B DELIVERABLE 	SG-14	0997	11/3/11	11:49	SG-15	0990	12/20/10	12:10	SG-16	0976	12/25/10	12:35	4 <table border="1"> <thead> <tr> <th>Sample ID</th> <th>Analysis Requested</th> <th>Date Collected</th> <th>Time Collected</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>SG-13</td> <td>0989</td> <td>9/14/05</td> <td>11:52</td> <td rowspan="4"> Category B DELIVERABLE </td> </tr> <tr> <td>SG-14</td> <td>0997</td> <td>11/3/11</td> <td>11:49</td> </tr> <tr> <td>SG-15</td> <td>0990</td> <td>12/20/10</td> <td>12:10</td> </tr> <tr> <td>SG-16</td> <td>0976</td> <td>12/25/10</td> <td>12:35</td> </tr> </tbody> </table>		Sample ID	Analysis Requested	Date Collected	Time Collected	Remarks	SG-13	0989	9/14/05	11:52	Category B DELIVERABLE 	SG-14	0997	11/3/11	11:49	SG-15	0990	12/20/10	12:10	SG-16	0976	12/25/10	12:35	5 <table border="1"> <thead> <tr> <th>Sample ID</th> <th>Analysis Requested</th> <th>Date Collected</th> <th>Time Collected</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>SG-13</td> <td>0989</td> <td>9/14/05</td> <td>11:52</td> <td rowspan="4"> Category B DELIVERABLE </td> </tr> <tr> <td>SG-14</td> <td>0997</td> <td>11/3/11</td> <td>11:49</td> </tr> <tr> <td>SG-15</td> <td>0990</td> <td>12/20/10</td> <td>12:10</td> </tr> <tr> <td>SG-16</td> <td>0976</td> <td>12/25/10</td> <td>12:35</td> </tr> </tbody> </table>		Sample ID	Analysis Requested	Date Collected	Time Collected	Remarks	SG-13	0989	9/14/05	11:52	Category B DELIVERABLE 	SG-14	0997	11/3/11	11:49	SG-15	0990	12/20/10	12:10	SG-16	0976	12/25/10	12:35	6 <table border="1"> <thead> <tr> <th>Sample ID</th> <th>Analysis Requested</th> <th>Date Collected</th> <th>Time Collected</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>SG-13</td> <td>0989</td> <td>9/14/05</td> <td>11:52</td> <td rowspan="4"> Category B DELIVERABLE </td> </tr> <tr> <td>SG-14</td> <td>0997</td> <td>11/3/11</td> <td>11:49</td> </tr> <tr> <td>SG-15</td> <td>0990</td> <td>12/20/10</td> <td>12:10</td> </tr> <tr> <td>SG-16</td> <td>0976</td> <td>12/25/10</td> <td>12:35</td> </tr> </tbody> </table>		Sample ID	Analysis Requested	Date Collected	Time Collected	Remarks	SG-13	0989	9/14/05	11:52	Category B DELIVERABLE 	SG-14	0997	11/3/11	11:49	SG-15	0990	12/20/10	12:10	SG-16	0976	12/25/10	12:35	7 Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: _____ Rush results requested by (please circle): <u>Phone</u> <u>Fax</u> <u>E-mail</u> Phone #: <u>614/694-5741</u> Fax #: <u>614/694-5744</u> E-mail address: _____		8 Data Package Options (please circle if required) SDG Complete? QC Summary Type VI (Raw Data) Yes No Type I (Tier I) GLP Site-specific QC required? Yes No Type II (Tier II) Other (If yes, indicate QC sample and submit triplicate volume.) Type III (NJ Red. Del.) Internal Chain of Custody required? Yes No Type IV (CLP)	
Sample ID	Analysis Requested	Date Collected	Time Collected	Remarks																																																																																																																									
SG-13	0989	9/14/05	11:52	Category B DELIVERABLE 																																																																																																																									
SG-14	0997	11/3/11	11:49																																																																																																																										
SG-15	0990	12/20/10	12:10																																																																																																																										
SG-16	0976	12/25/10	12:35																																																																																																																										
Sample ID	Analysis Requested	Date Collected	Time Collected	Remarks																																																																																																																									
SG-13	0989	9/14/05	11:52	Category B DELIVERABLE 																																																																																																																									
SG-14	0997	11/3/11	11:49																																																																																																																										
SG-15	0990	12/20/10	12:10																																																																																																																										
SG-16	0976	12/25/10	12:35																																																																																																																										
Sample ID	Analysis Requested	Date Collected	Time Collected	Remarks																																																																																																																									
SG-13	0989	9/14/05	11:52	Category B DELIVERABLE 																																																																																																																									
SG-14	0997	11/3/11	11:49																																																																																																																										
SG-15	0990	12/20/10	12:10																																																																																																																										
SG-16	0976	12/25/10	12:35																																																																																																																										
Sample ID	Analysis Requested	Date Collected	Time Collected	Remarks																																																																																																																									
SG-13	0989	9/14/05	11:52	Category B DELIVERABLE 																																																																																																																									
SG-14	0997	11/3/11	11:49																																																																																																																										
SG-15	0990	12/20/10	12:10																																																																																																																										
SG-16	0976	12/25/10	12:35																																																																																																																										
Sample ID	Analysis Requested	Date Collected	Time Collected	Remarks																																																																																																																									
SG-13	0989	9/14/05	11:52	Category B DELIVERABLE 																																																																																																																									
SG-14	0997	11/3/11	11:49																																																																																																																										
SG-15	0990	12/20/10	12:10																																																																																																																										
SG-16	0976	12/25/10	12:35																																																																																																																										

Appendix C

SDG Narrative

CASE NARRATIVE

Client: Toxikon
SDG #: TCC01

LANCASTER LABORATORIES
GC/MS VOLATILE ORGANICS IN AIR

SAMPLE NUMBER(S) :

<u>LL #'s</u>	<u>Sample Code</u>	<u>Comments</u>
4538862	CC035	
4538863	CC144	
4538863	CC144	10X Dilution
4538864	CC170	

LABORATORY SUBMITTED QC:

VBLKA48	VBLKA48	Method Blank
LCSA48	LCSA48	Lab Control Sample

All canisters were cleaned by repeated evacuation and pressurization with clean nitrogen, as per SOP-MS-009. Each canister was filled with clean nitrogen and analyzed before the final evacuation prior to shipping to the client. All target compounds were below the limit of quantitation in the cleaning certification analyses.

SAMPLE PREPARATION:

Samples were diluted to twice their original absolute pressure upon receipt in the air analysis laboratory using clean nitrogen. This dilution is done to ensure positive pressure in the sample canisters throughout the analysis, minimizing the risk of sample contamination, and bringing the samples to the approximate pressure at which blanks and calibration standards are delivered to the analytical instrumentation. This twofold dilution is offset by analyzing 500cc of each sample, twice the nominal volume of 250cc upon which the GC/MS calibration is based. This strategy yields an overall dilution factor of 1.0 and allows sample pressurization without raising the limits of quantitation.

0015

Case Narrative (continued)
SDG: TCC01

The nitrogen used to pressurize sample canisters is monitored as the daily method blank to ensure that no contamination of samples occurs during dilution.

Dilutions of 10X or less were performed by analyzing a reduced sample volume.

No problems were encountered during the preparation of these samples.

ANALYSIS:

The method used for analysis was EPA Method TO-14A.

No problems were encountered during the analysis of these samples.

QUALITY CONTROL AND NONCONFORMANCE SUMMARY:

A Laboratory Control Sample (LCS) was analyzed with these samples. The LCS consists of six target compounds at approximately 50ppbv in a SUMMA canister, acquired independently from calibration standards. The LCS serves as a check of analysis and calibration standards validity. All LCS compounds were within the control limits specified on the Laboratory Control Sample Data Sheet.

All other QC was within specifications.

DATA INTERPRETATION:

Only non-conformances for client requested compounds are addressed in this case narrative.

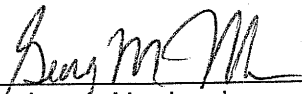

All raw data is quantified in units of ppbv, parts per billion by volume.

No further interpretation is necessary for the data submitted.

3816

Case Narrative (continued)
SDG: TCC01

Case Narrative Reviewed and Approved by:

Charles J. Neslund
Manager, GC/MS Volatiles in Air

Date: 6/17/06

2017

CASE NARRATIVE

Client: Toxikon
SDG #: TCC02

LANCASTER LABORATORIES
GC/MS VOLATILE ORGANICS IN AIR

SAMPLE NUMBER(S) :

for 11/10/05

LL #'s	Sample Code	IX	Comments
4540159	SG1CT	2X Dilution	
4540160	SG3CT	2X Dilution	(JB)
4540161	SG4CT	1X 10X Dilution	
4540161	SG4CT	10X	
4540161	SG5CT		
4540162	SG5CT		
4540162	SG5CT	10X Dilution	
4540162	SG6CT	40X Dilution	
4540163	SG6CT		
4540163	SG6CT	10X Dilution	
4540164	SG7CT		
4540164	SG7CT	10X Dilution	
4540165	SG8CT		
4540165	SG8CT	10X Dilution	
4545499	-SG-9	10X Dilution	
4545499	-SG-9	100X Dilution	
4545500	-SG10		
4545500	-SG10	10X Dilution	
4545500	-SG10	50X Dilution	
4545501	-SG11	5X Dilution	
4545501	-SG11	50X Dilution	
4545502	-SG12		
4545502	-SG12	5X Dilution	
4545503	-SG-2	10X Dilution	
4545503	-SG-2	100X Dilution	

8839

Case Narrative (continued)
SDG: TCC02**LABORATORY SUBMITTED QC:**

VBLKA20	VBLKA20	Method Blank
VBLKA21	VBLKA21	Method Blank
LCSA20	LCSA20	Lab Control Sample
LCSA21	LCSA21	Lab Control Sample

All canisters were cleaned by repeated evacuation and pressurization with clean nitrogen, as per SOP-MS-009. Each canister was filled with clean nitrogen and analyzed before the final evacuation prior to shipping to the client. All target compounds were below the limit of quantitation in the cleaning certification analyses.

SAMPLE PREPARATION:

Samples were diluted to twice their original absolute pressure upon receipt in the air analysis laboratory using clean nitrogen. This dilution is done to ensure positive pressure in the sample canisters throughout the analysis, minimizing the risk of sample contamination, and bringing the samples to the approximate pressure at which blanks and calibration standards are delivered to the analytical instrumentation. This twofold dilution is offset by analyzing 500cc of each sample, twice the nominal volume of 250cc upon which the GC/MS calibration is based. This strategy yields an overall dilution factor of 1.0 and allows sample pressurization without raising the limits of quantitation. The nitrogen used to pressurize sample canisters is monitored as the daily method blank to ensure that no contamination of samples occurs during dilution.

Dilutions of 10X or less were performed by analyzing a reduced sample volume. Dilutions greater than 10X were performed by transferring a measured volume from the sample container to a clean, evacuated SUMMA canister with a gas-tight syringe and diluting with zero grade humidified air.

No problems were encountered during the preparation of these samples.

ANALYSIS:

The method used for analysis was EPA Method TO-14A.

2010

Case Narrative (continued)
SDG: TCC02

A chain-of-custody for samples 4545499-4545503 was not created. The samples were analyzed on June 22, 2005 and June 23, 2005 by Jeffrey B. Smith employee # 1304.

No problems were encountered during the analysis of these samples.

QUALITY CONTROL AND NONCONFORMANCE SUMMARY:

A Laboratory Control Sample (LCS) was analyzed with these samples. The LCS consists of six target compounds at approximately 50ppbv in a SUMMA canister, acquired independently from calibration standards. The LCS serves as a check of analysis and calibration standards validity. All LCS compounds were within the control limits specified on the Laboratory Control Sample Data Sheet.

All other QC was within specifications.

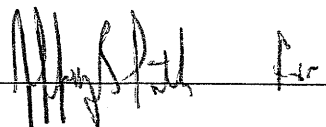
DATA INTERPRETATION:

Only non-conformances for client requested compounds are addressed in this case narrative.

All raw data is quantified in units of ppbv, parts per billion by volume.

No further interpretation is necessary for the data submitted.

Case Narrative Reviewed and Approved by:



Charles J. Neslund
Manager, GC/MS Volatiles in Air

Date: 8/31/05

0041

CASE NARRATIVE

Client: Leggette Brashears & Graham
SDG #: CHA01

LANCASTER LABORATORIES
GC/MS VOLATILE ORGANICS IN AIR

SAMPLE NUMBER(S) :

<u>LL #'s</u>	<u>Sample Code</u>	<u>Comments</u>
4600660	1STST	
4600661	1STLO	
4600661	1STLO	10X Dilution
4600662	BASMA	
4600662	BASMA	10X Dilution
4600663	BASEQ	
4600663	BASEQ	10X Dilution
4600663	BASEQ	40X Dilution
4604358	SG13G	10X Dilution
4604358	SG13G	200X Dilution
4604359	SG14G	50X Dilution
4604359	SG14G	500X Dilution
4604360	SG15G	10X Dilution
4604361	SG16G	20X Dilution

LABORATORY SUBMITTED QC:

VBLKC03	VBLKC03	Method Blank
VBLKC05	VBLKC05	Method Blank
VBLKC07	VBLKC07	Method Blank
VBLKC09	VBLKC09	Method Blank
LCSC03	LCSC03	Lab Control Sample
LCSC07	LCSC07	Lab Control Sample

All canisters were cleaned by repeated evacuation and pressurization with clean nitrogen, as per SOP-MS-009. Each canister was filled with clean nitrogen and

0031

Case Narrative (continued)
SDG: CHA01

analyzed before the final evacuation prior to shipping to the client. All target compounds were below the limit of quantitation in the cleaning certification analyses.

SAMPLE PREPARATION:

Samples were diluted to two, three, or four times their original absolute pressure upon receipt in the air analysis laboratory using clean nitrogen. This dilution is done to ensure positive pressure in the sample canisters throughout the analysis, minimizing the risk of sample contamination, and bringing the samples to the approximate pressure at which blanks and calibration standards are delivered to the analytical instrumentation. This twofold, threefold, or fourfold dilution is offset by analyzing 500cc, 750cc, or 1000cc of each sample, two, three, or four times the nominal volume of 250cc upon which the GC/MS calibration is based. This strategy yields an overall dilution factor of 1.0 and allows sample pressurization without raising the limits of quantitation. The nitrogen used to pressurize sample canisters is monitored as the daily method blank to ensure that no contamination of samples occurs during dilution.

Dilutions of 10X or less were performed by analyzing a reduced sample volume. Dilutions greater than 10X were performed by transferring a measured volume from the sample container to a clean, evacuated SUMMA canister with a gas-tight syringe and diluting with zero grade humidified air.

No problems were encountered during the preparation of these samples.

ANALYSIS:

The method used for analysis was EPA Method TO-15.

No problems were encountered during the analysis of these samples.

QUALITY CONTROL AND NONCONFORMANCE SUMMARY:

Laboratory Control Samples (LCS) were analyzed with these samples. The LCS serves as a check of analysis and calibration standards validity. Various recoveries were

Case Narrative (continued)
SDG: CHA01

outside the QC limits in the LCS samples. Refer to the LCS forms for the specific compounds.

All other QC was within specifications.

DATA INTERPRETATION:

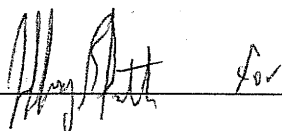
At the time of assembly of this data package, the chain-of-custody was unavailable for #4604358 - 61. These samples were received by Dave Ressler, employee #927, on Sept. 28, 2005, and analyzed by Jeffrey Smith, employee #1304, on Sept. 28 & 30, 2005.

Only non-conformances for client requested compounds are addressed in this case narrative.

All raw data is quantified in units of ppbv, parts per billion by volume.

No further interpretation is necessary for the data submitted.

Case Narrative Reviewed and Approved by:



Charles J. Neslund
Manager, GC/MS Volatiles in Air

Date: 10/25/05

0033