



July 11 2013  
G-Logics Project Number 01-0739-B

BV Holdings, LLC  
Mr. Michael Nielson  
10672 NE 9th Pl  
Bellevue, WA 98004

**Subject: Interim System Operation Report  
Former Drycleaner Location  
10610 NE 8th  
Bellevue, WA**

Dear Mr. Nielson:

This report summarizes the operational results of the air-sparge and soil-vapor extraction system installed on the subject property. This system was installed and operated in accordance with our Project Authorization letter to BV Holdings, LLC (BV), dated January 5, 2012.

### **Site Background**

The Property is located on the northeast corner of the intersection of NE 8th Street and 106th Avenue NE in downtown Bellevue (Figure 1). During the 1950s, a single structure was built on the site and used as an auto-fueling and service station. In 1976, the service station was converted to operate as a retail/commercial space. A dry-cleaning business operated on the property from 1976 to 1986. During that time, a common dry-cleaning solvent known as tetrachloroethylene (PCE) was used in the operations. After 1986, the structure was used for various commercial uses, including a pet store and toy store (Thinker Toys) until 2007. In 2007, the structure was demolished and the site was converted to its current use as a parking lot.

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Several environmental investigations have been conducted on and off of the Property to evaluate contaminant impacts to soil and groundwater from release(s) of PCE. The results of a soil-vapor survey conducted in 2009 by Farallon Consulting, LLC (Farallon) indicated chlorinated solvents were present on the Property. Two subsurface investigations conducted in 2010 by Farallon confirmed that the soil and groundwater on the Property were contaminated with chlorinated solvents, specifically PCE and its associated degradation products. The exact location of the dry-cleaning equipment and disposal areas are unknown, however the highest concentrations of chlorinated solvents are located in the center of the Property (Figure 2).

In 2010/2011, Sound Earth Strategies (SES) produced a Remedial Investigation/Feasibility Study (RI/FS) and an Interim Cleanup Action Plan (ICAP) for the Property. The RI/FS and ICAP included mapping of the identified contaminants (Figures 2 & 3).

In 2012, BV Holdings and two other parties entered into a Settlement Agreement with Sterling Realty Organization (SRO), owner of the property directly across 8<sup>th</sup> Street to the south. With this agreement, a “Reasonable Interim Action” was to be conducted on the subject Property. The purpose of the Interim Action was to reduce contaminants that were migrating in groundwater to downgradient properties and to reduce concentrations of PCE in soils at the Property. Specifically, a treatment system was to be installed in order to reduce soil concentrations such that when these soils are excavated (as part of a future site development) they could be disposed as a “Contained-In” waste, subject to Ecology approval.

The treatment system included an air-sparge and soil-vapor extraction system (AS/SVE) that was installed at the former Thinker Toys property. Installation of the AS/SVE system began in October 2012 after receiving appropriate permits. This report summarizes the observed monitoring results of the system for a six-month period of operation.

### **AS/SVE System Design**

Based on the contaminant-distribution information presented in the SES ICAP, G-Logics installed the AS/SVE remediation system on the Property (Figures 2-4). The completed system consists of 3 air-sparge (AS) wells and 9 soil-vapor extraction (SVE) wells (Figure 4). Well-screen information is presented in Table 1.

During the installation of the wells, soil samples were collected and were screened for the presence of volatile organic compounds using a photoionization detector (PID). PID

readings are noted on the boring logs (Appendix B). Analytical results from submitted soil samples can be reviewed on Table 2, with updated interpretations presented on Figure 5. Sampling and field methods employed during this work can be reviewed in Appendix C.

### **AS/SVE System Components**

The AS/SVE equipment primarily consists of one regenerative blower, one rotary-vane compressor, and related electrical and moisture-control equipment. The equipment is housed in a wood-framed building identified as the Treatment Compound (Figure 6). The regenerative blower produces a vacuum and is intended to remove subsurface vapors from the vadose zone (the SVE portion of the system, completed in December 2012).

The rotary-vane compressor is intended to inject air into the subsurface to volatilize contaminants in the saturated soil and groundwater (the AS portion of the system, completed in January 2013). Several mechanical issues (compressor failures due to water backing up in the lines) plagued the AS portion of the system during the first two months of operation, thus the AS system had sporadic operation through March of 2013 when the AS system issues were resolved.

Underground piping that originates at the treatment compound directs compressed air to a manifold system installed in the “South Vault.” At this location, distribution piping extends to the 3 individual AS wells. Similarly, a vacuum line extends from the treatment compound to the South Vault, where another manifold system directs vacuum to SVE wells 5 through 9. A second vacuum line extends from the treatment compound to the “North Vault”, where a manifold system directs vacuum to SVE wells 1 through 4. A representation of the connecting lines and the vaults is shown on Figure 6. A schematic of the treatment equipment is presented on Figure 7.

### **Subsurface Vapor Sampling**

Vapor samples from the exhaust of the treatment system were collected beginning with the startup of the SVE portion of system in December 2012. Using the collected vapor samples and airflow measurements, the volume and concentration of contaminant removed was measured and recorded. All air samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260, specifically for solvents related to the former dry-cleaning operations. Additionally, vapor samples were collected from each SVE well to measure contaminant-vapor concentrations from each well. A summary of analytical results from the

collected air samples can be reviewed on Table 3. The laboratory analytical reports are attached in Appendix D.

### **Contaminant Removal**

As seen with the analytical results on Table 3, contaminant concentrations in the wells fluctuate, but the overall trend demonstrates significant concentrations of PCE remain in the wells. As shown on Table 4, it is estimated that approximately 40 pounds of PCE have been removed as of June 11, 2013.

### **Summary**

The installation of the interim AS/SVE system was completed in January 2013. With the start of system operation, vapor samples were collected periodically to assess the quantity of the contaminant removed. While remaining soil-contaminant concentrations cannot be assessed until additional soil exploration/samples are collected, continued operation of the AS/SVE system is recommended as a measure of continued contaminant removal from the on-property soils and groundwater.

### **Limitations**

The conclusions presented in this report are our professional opinions based solely upon our visual observations and field screening during the described work and the analysis of the soil and vapor samples collected. The results and conclusions are intended exclusively for the purpose outlined herein and for the site location and project indicated. Opinions and recommendations presented herein apply to site conditions existing at the time of our assessment and do not necessarily apply to future changes or other prior conditions at the site of which G-Logics, Inc. is not aware and has not had the opportunity to evaluate. Our scope of work was limited to those items specifically identified in this report. Other activities not specifically included in the presented scope of work (in a workplan, correspondence, or this report) are excluded and are therefore not part of our services.

This report is prepared for the sole use of our client. The scope of services performed may not be appropriate for the needs of other users, and re-use of this document or the findings, conclusions, or recommendations presented herein is at sole risk of said user(s). Any party other than our client who would like to use this report shall notify G-Logics of such intended use by executing the "Permission and Conditions for Use and Copying" contained in this document (Appendix E). Based on the intended use of the report, G-Logics may require that additional work be performed and that an updated report be issued. Non-

compliance with any of these requirements will release G-Logics from any liability resulting from the use of this report by any unauthorized party.

No warranty, either express or implied, is made.

### **Closing**

G-Logics appreciates the opportunity to provide our services to BV Holdings, LLC. Should you have any questions regarding this report, please contact us at your convenience.

Sincerely,  
**G-Logics, Inc.**

Rory Galloway  
Principal

Dan Hatch  
Remediation Manager

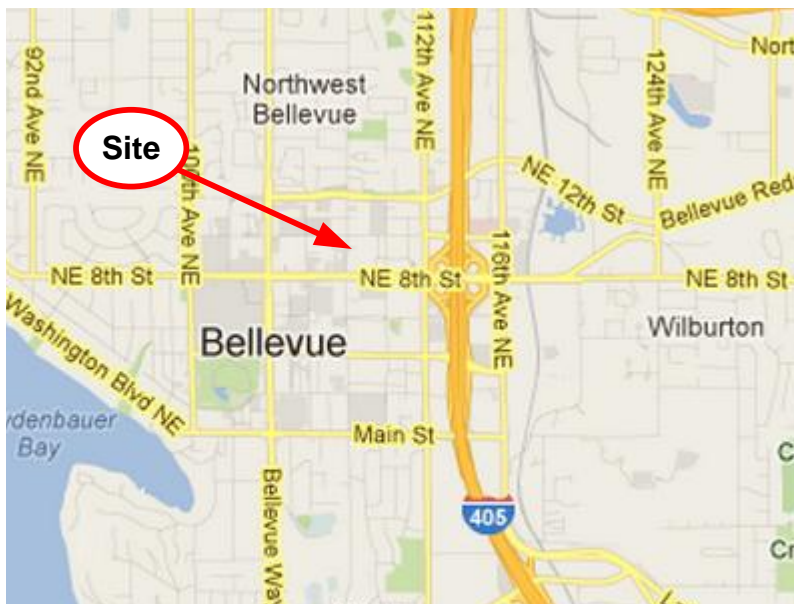
Attachments:     Figure 1 – Site Location Maps  
                      Figure 2 – Property Diagram, PCE Concentrations in Soil  
                      Figure 3 – Cross Section A to A', PCE Soil Concentration  
                      Figure 4 – Property Diagram, AS/SVE Well Locations  
                      Figure 5 – Cross Section A to A', AS/SVE Well Locations  
                      Figure 6 – Property Diagram, AS/SVE System Layout  
                      Figure 7 – System Schematic Diagram

Table 1 – Well Screen Information Table  
Table 2 – Soil Sample Analysis  
Table 3 – Vapor Sample Analysis  
Table 4 – Vapor Contaminant Removal Calculations

Appendix A – Boring Logs  
Appendix B – Field Methods  
Appendix C – Laboratory Analytical Reports  
Appendix D – Permission and Conditions for Use and Copying

# **ATTACHMENTS**

# FIGURES



Project File: 01-0739-B F1.vsd



**Site Location Maps**  
*Former Thinker Toy Property*  
 10610 NE 8<sup>th</sup> Street  
 Bellevue, Washington

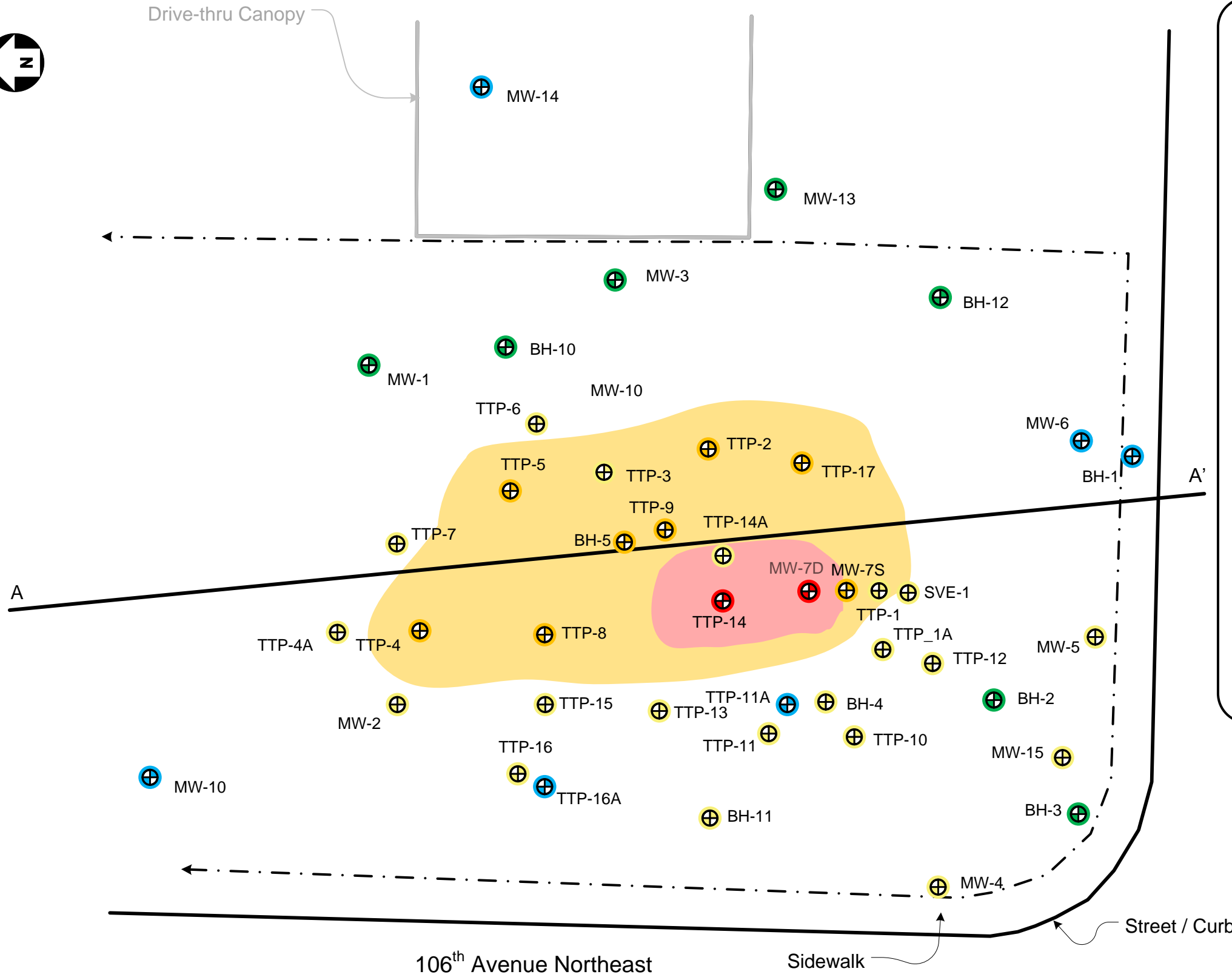
Figure  
 1

Mapping Reference: Google, Bing Maps













Drive-thru Canopy



### LEGEND

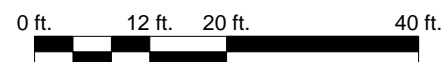
-  PCE Detected Above Land Ban of 60 mg/kg (SES)
  -  PCE Detected Above MTCA Method B Cleanup Level of 1.9 mg/kg, but Below Land Ban of 60 mg/kg (SES)
  -  PCE Detected Above MTCA Method A Cleanup Level of 0.05, but below Method B Cleanup Level of 1.9 mg/kg (SES)
  -  PCE Detected at or Below MTCA Method A Cleanup Level of 0.05 mg/kg (SES)
  -  PCE Not Detected Above Laboratory Reporting Limit (SES)
- Well colors reflect the highest soil-sample concentration found in the boring.
-  G-Logics Estimated Area of PCE Detected Above MTCA Method B Cleanup Level (1.9 mg/kg)
  -  G-Logics Estimated Area of PCE Detected Above Land Ban (60 mg/kg)
  -  Understood Subject Property Line

Project File: 01-0739-B F2.vsd



This figure contains information in color. Black & white photocopies may not be suitable for review. Buildings are shown for reference only and may not be to scale.

Approximate Drawing Scale: 1" = 20'










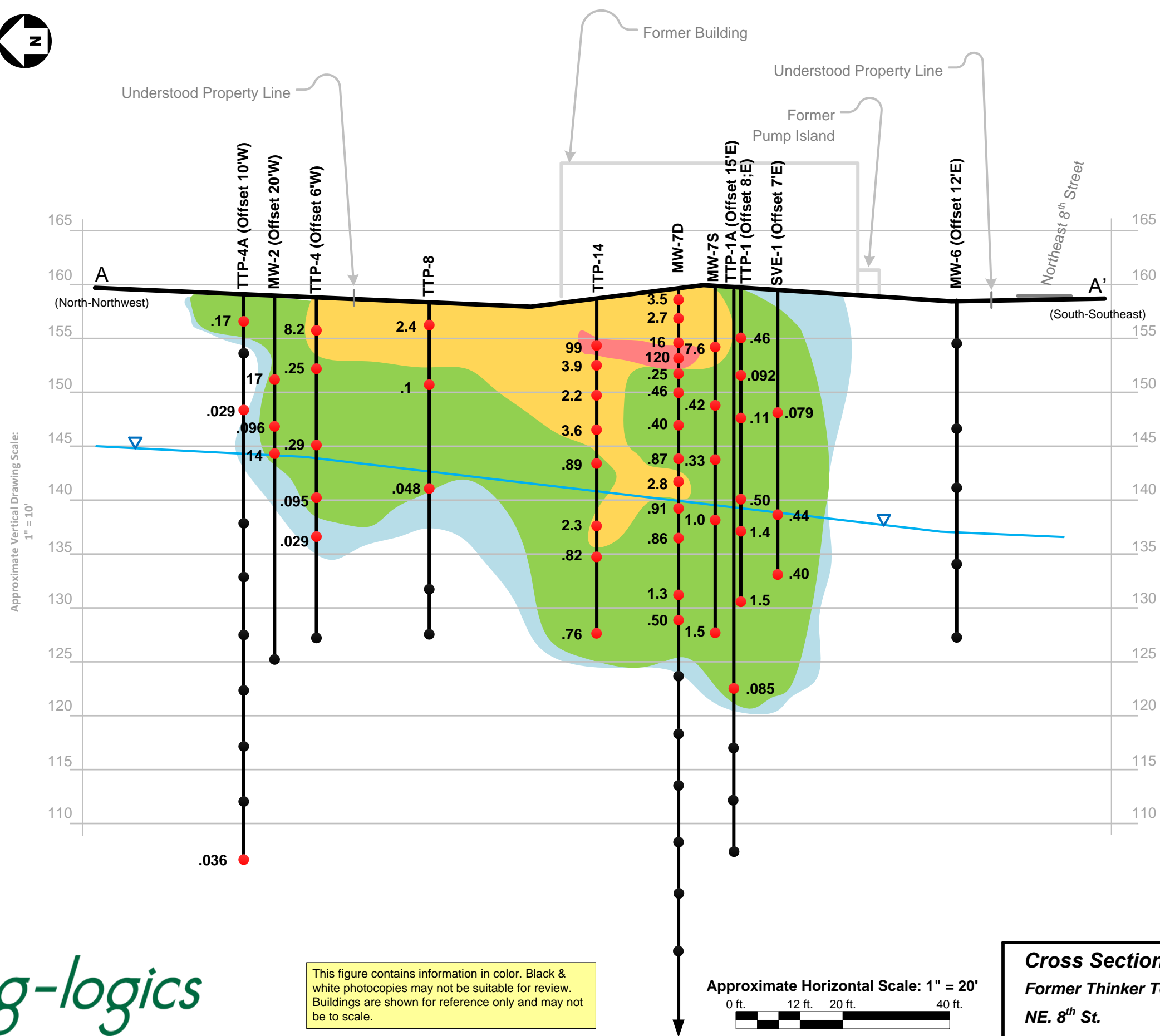
**Property Diagram, PCE Concentrations in Soil**  
 Former Thinker Toy Property  
 NE. 8<sup>th</sup> St.  
 Bellevue, Washington

Figure  
2



### LEGEND

-  Understood Groundwater Depth (SES, August 23, 2010)
-  PCE Concentrations Less than 0.05 mg/kg (SES)
-  PCE Concentrations Greater than 0.05 mg/kg (SES)
-  PCE Concentrations Greater than 1.9 mg/kg (SES)
-  PCE Concentrations Greater than 60 mg/kg (SES)
-  PCE – No Detectable Concentration (SES)
-  PCE – Detected, Concentrations noted in mg/kg (SES)

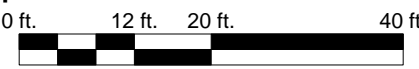


Project File: 01-0739-B F3.vsd



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Approximate Horizontal Scale: 1" = 20'



**Cross Section A to A', PCE Soil Concentration**  
Former Thinker Toy Property  
NE. 8<sup>th</sup> St.  
Bellevue, Washington



Drive-thru Canopy

Parking Stall Lines (Typical)

Existing Underground Electrical Vault

Existing 480V Power Trench

Treatment Equipment Compound

A'

A

GL-SVE-1

GL-SVE-3

GL-SVE-5

GL-AS-2

GL-SVE-2

GL-SVE-4

GL-AS-1

GL-AS-3

GL-SVE-7

GL-SVE-9

GL-SVE-6

GL-SVE-8

106<sup>th</sup> Avenue Northeast

### LEGEND



Air Sparge Point – 28' Deep (3' Screens)



Soil-Vapor Extraction Well 8' - 18' Deep (3' to 5' Screens)



G-Logics Estimated Area of PCE Detected Above MTCA Method B Cleanup Level (1.9 mg/kg)



G-Logics Estimated Area of PCE Detected Above Land Ban (60 mg/kg)



Underground Power Line (480V)



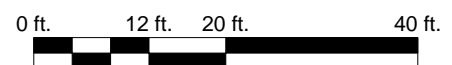
Understood Subject Property Line

Project File: 01-0739-B F4.vsd



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Approximate Drawing Scale: 1" = 20'



### Property Diagram, AS/SVE Well Locations

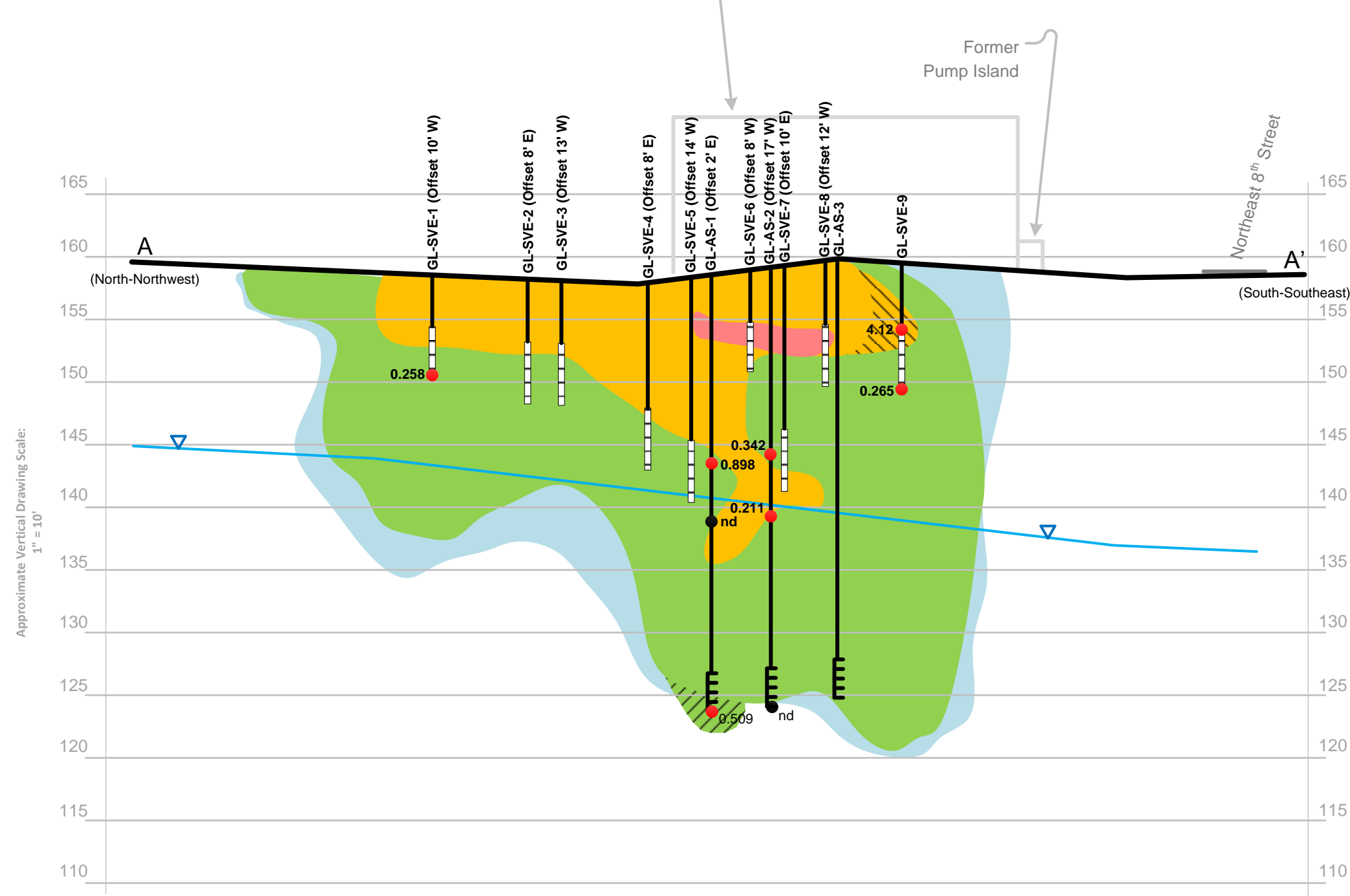
Former Thinker Toy Property

NE. 8<sup>th</sup> St.

Bellevue, Washington

Figure

4



### LEGEND

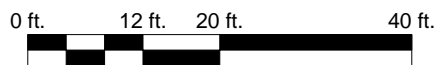
- Understood Groundwater Depth (SES, August 23, 2010)
- PCE Concentrations Less than 0.05 mg/kg (SES)
- PCE Concentrations Greater than 0.05 mg/kg (SES)
- PCE Concentrations Greater than 1.9 mg/kg (SES)
- PCE Concentrations Greater than 60 mg/kg (SES)
- PCE – No Detectable Concentration (G-Logics)
- PCE – Detected, Concentrations noted in mg/kg (G-Logics)
- Sparge Point, 1" Schedule 40 PVC (20 slot), 3' screen length
- Vapor Extraction Point, 2" Schedule 40 PVC, screen lengths are well specific 3' to 5' (20 slot)
- Area adjusted based on G-Logics soil-sample data
- Area adjusted based on G-Logics soil-sample data

Project File: 01-0739-B F5.vsd



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Approximate Drawing Scale: 1" = 20'

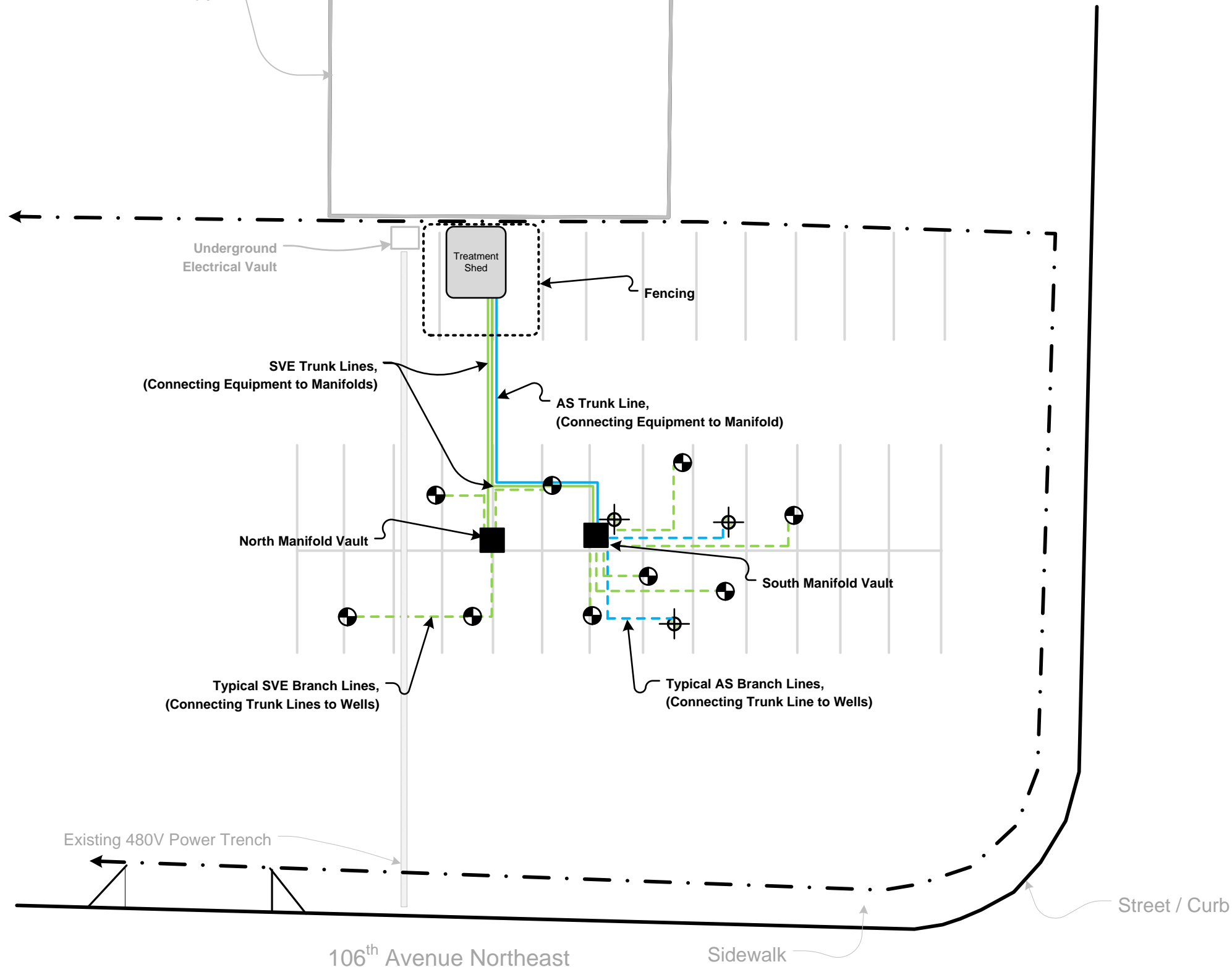


**Cross Section A to A', AS-SVE Well Locations**  
 Former Thinker Toy Property  
 NE. 8<sup>th</sup> St.  
 Bellevue, Washington









Figure  
5



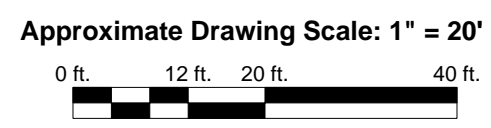
Drive-thru Canopy



### LEGEND

-  Air Sparge Point
-  Soil-Vapor Extraction Well
-  SVE Trunk Lines, (Connecting Equipment to Manifolds)
-  AS Trunk Line, (Connecting Equipment to Manifolds)
-  Typical SVE Branch Lines, (Connecting Trunk Lines to Wells)
-  Typical AS Branch Lines, (Connecting Trunk Line to Wells)
-  Underground Power Line (480V)
-  Understood Subject Property Line

This figure contains information in color. Black & white photocopies may not be suitable for review. Buildings are shown for reference only and may not be to scale.



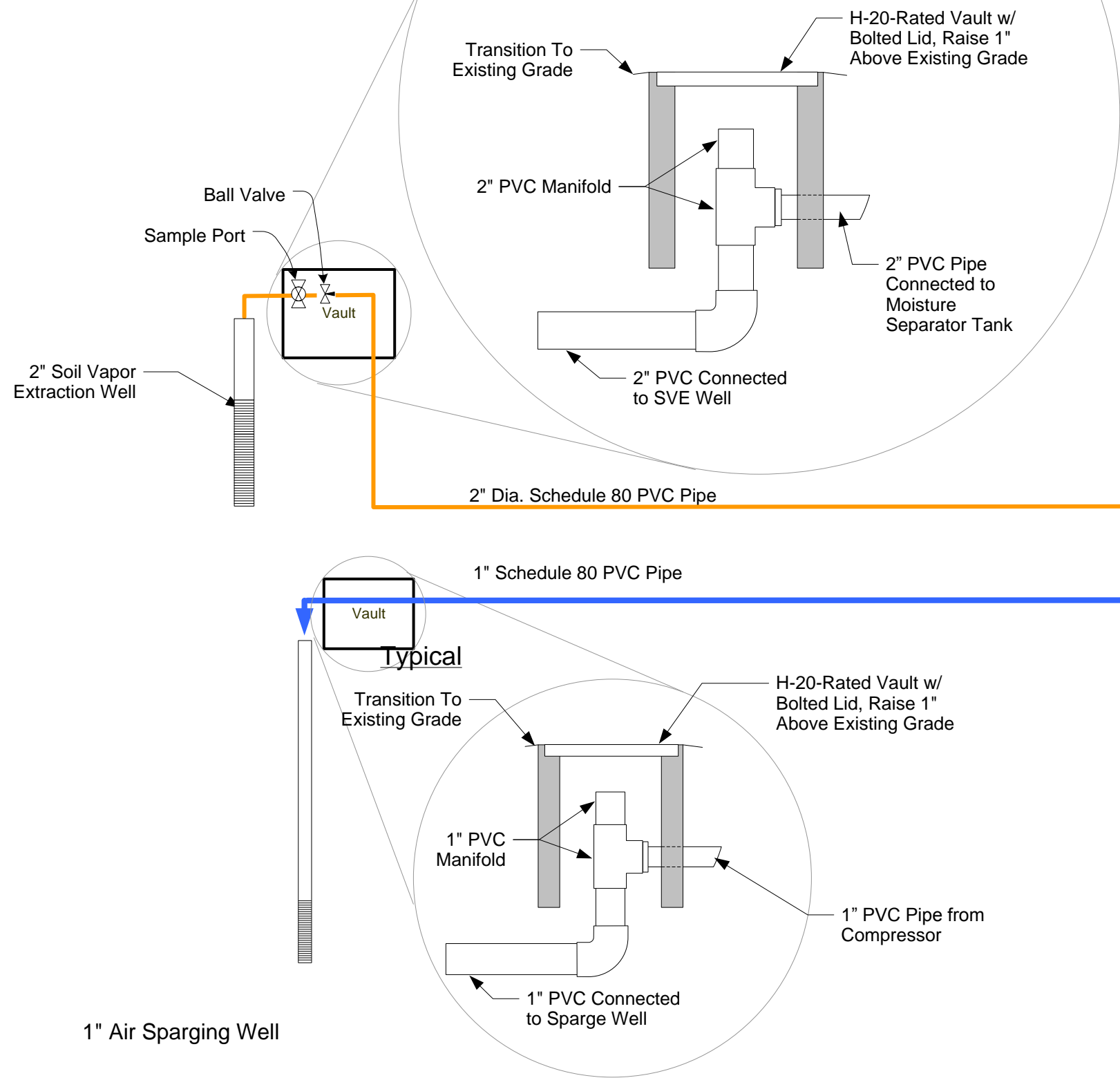
**Property Diagram, AS/SVE System Layout**  
 Former Thinker Toy Property  
 NE. 8<sup>th</sup> St.  
 Bellevue, Washington

Figure  
 6

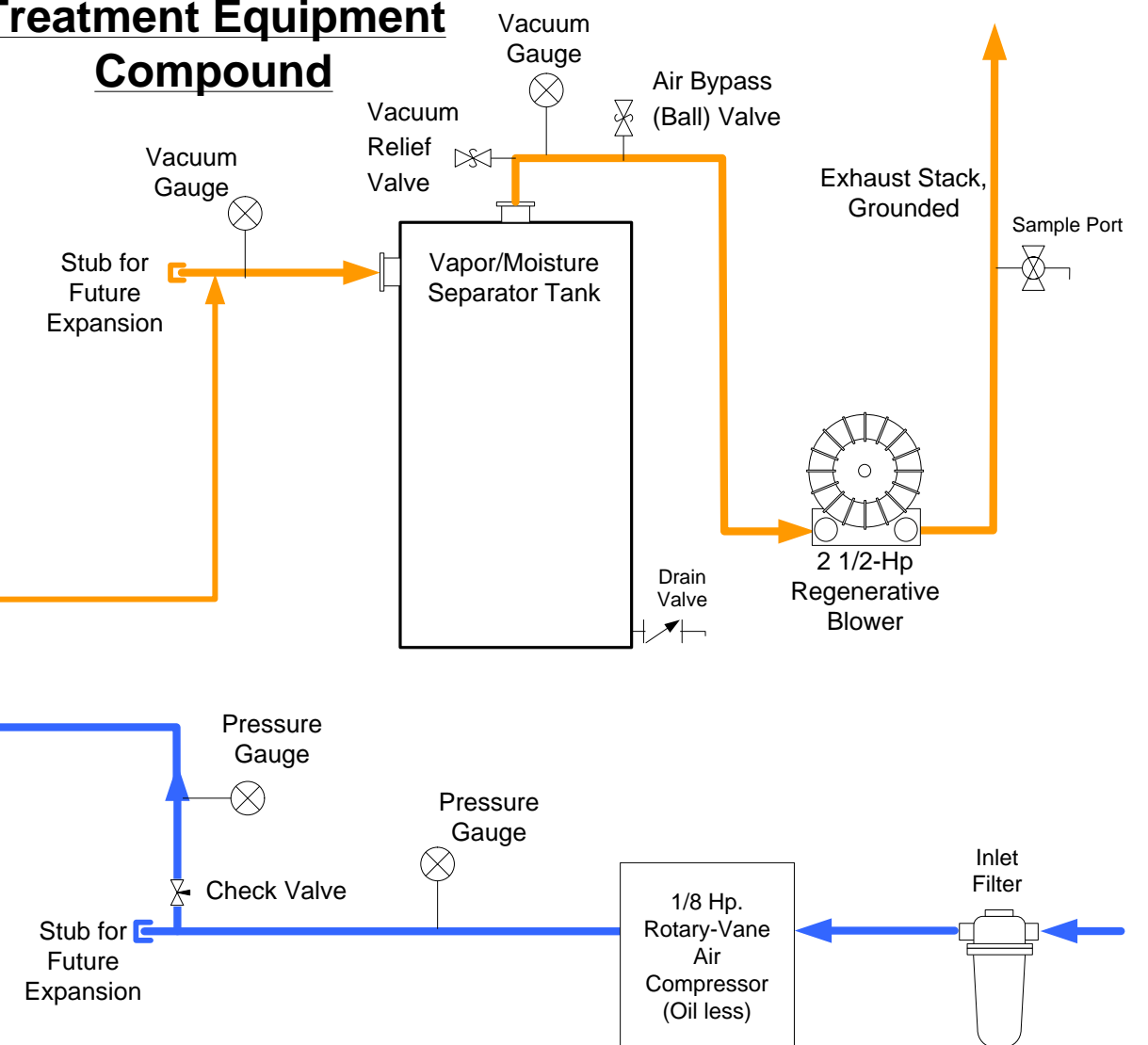
Project File: 01-0739-B F6.vsd



**Treatment Area**



**Treatment Equipment Compound**



**Notes:**

1. See Figures 4, 5, & 6 for physical layout of equipment and piping.
2. This diagram provides information regarding the logic and operation of the Treatment System Equipment and does not depict all electrical components or connection details.
3. Figure is prepared in color, black and white copies may not be suitable for viewing.

**LEGEND**

- Compressed Air Flow (in)
- Exhaust Air Flow (out)

Drawing Not To Scale

**System Schematic Diagram**  
 Former Thinker Toys  
 10610 SE 8<sup>th</sup> Street  
 Bellevue, Washington

Figure  
 7

# TABLES

**Table 1**  
**Well Screen Information**  
**Former Thinker Toys, Bellevue, WA**

<b>Location Designation</b>	<b>Well Installation Date</b>	<b>Depth to Top of Screen (ft.)</b>	<b>Depth to Bottom of Screen (ft.)</b>	<b>Well Diameter (in.)</b>
GL-AS-1	10/16/2012	32	35	1
GL-AS-2	10/15/2012	32	35	1
GL-AS-3	10/16/2012	32	35	1
GL-SVE-1	10/15/2012	5	8	2
GL-SVE-2	10/16/2012	5	10	2
GL-SVE-3	10/15/2012	5	10	2
GL-SVE-4	10/16/2012	10	15	2
GL-SVE-5	10/15/2012	13	18	2
GL-SVE-6	10/15/2012	5	8	2
GL-SVE-7	10/16/2012	13	18	2
GL-SVE-8	10/15/2012	5	10	2
GL-SVE-9	10/15/2012	5	10	2



**TABLE 2**  
**Soil Sample Analysis (1)**  
**Former Thinker Toys**  
**10610 NE 8th, Bellevue, WA**

Exploration Location	Sample Date	Sample Number	Sample Depth (ft)	Field VOC Reading (a)	cis-1,2-Dichloroethene	Trichloroethene (TCE)	Tetrachloroethene (PCE)
<b>(units in mg/kg)</b>							
<b>GL-SVE-1</b>	10/15/2012	VE-1 @ 4	4	1.3	---	---	---
	10/15/2012	VE-1 @ 8	8	1.4	nd	nd	<b>0.258</b>
<b>GL-SVE-2</b>	10/16/2012	VE-2 @ 5	5	0.6	---	---	---
	10/16/2012	VE-2 @ 10	10	0.6	---	---	---
<b>GL-SVE-5</b>	10/15/2012	VE-5 @ 5	5	1.4	---	---	---
	10/15/2012	VE-5 @ 10	10	2.0	---	---	---
	10/15/2012	VE-5 @ 18	18	1.3	---	---	---
<b>GL-SVE-8</b>	10/15/2012	VE-8 @ 10	10	1.2	---	---	---
<b>GL-SVE-9</b>	10/15/2012	VE-9 @ 5	5	2.3	nd	nd	<b>4.12</b>
	10/15/2012	VE-9 @ 10	10	1.8	nd	nd	<b>0.265</b>
<b>GL-AS-1</b>	10/16/2012	AS-1 @ 5	5	0.8	---	---	---
	10/16/2012	AS-1 @ 10	10	2.0	---	---	---
	10/16/2012	AS-1 @ 15	15	15.6	<b>0.397</b>	<b>0.479</b>	<b>0.898</b>
	10/16/2012	AS-1 @ 20	20	3.2	nd	nd	nd
	10/16/2012	AS-1 @ 25	25	1.2	---	---	---
	10/16/2012	AS-1 @ 30	30	0.7	---	---	---
	10/16/2012	AS-1 @ 35	35	2.2	nd	nd	<b>0.0509</b>
<b>GL-AS-2</b>	10/15/2012	AS-2 @ 5	5	1.5	---	---	---
	10/15/2012	AS-2 @ 10	10	1.2	---	---	---
	10/15/2012	AS-2 @ 15	15	1.2	nd	nd	<b>0.342</b>
	10/15/2012	AS-2 @ 20	20	1.1	nd	nd	<b>0.211</b>
	10/15/2012	AS-2 @ 25	25	0.8	---	---	---
	10/15/2012	AS-2 @ 30	30	0.9	---	---	---
	10/15/2012	AS-2 @ 36	36	0.5	nd	nd	nd
<b>MTCA Cleanup Level (2)</b>				160*	0.03	0.05	

**Notes:** Refer to site diagram(s) for sampling locations.

(1) Method EPA 8260B, Other 8260 Compounds not listed were not detected.

(2) Available Method A Cleanup Levels or Most Conservative Method B Cleanup Levels, MTCA, Amendments adopted in November 2007. Exceeding Cleanup Levels does not necessarily trigger requirements for Cleanup Actions under MTCA.

(a) Soil samples were field screened using a PID to measure VOCs. Headspace VOC concentrations were measured after placing the soil in a sealed plastic bag and allowing soil and air inside the bag to equilibrate.

\* Most Conservative Method B Cleanup Level

--- Not Analyzed

nd Not detected at laboratory reporting limit

**27** Bold Number(s) Indicates Contaminant Detected.

**160** Bold Number(s) and Shading Indicates Concentration Exceeds MTCA Cleanup Level.

**TABLE 3**  
**Vapor Sample Analyses, Volatile Organic Compounds (1)**  
**Former Thinker Toys (Bellevue)**

Sample Location	Sample Date	Sample Number	trans-1,2-Dichloroethene	Chloroethane	Toluene	cis-1, 2-Dichloroethene	Trichloroethene	Tetrachloroethene (TCE)	Chloroform	m, p-Xylene
<b>(Units reported in ug/L)</b>										
<b>Exhaust Stack</b>	12/7/2012	Ex Stack (T)	nd	nd	nd	1.32	1.29	21.4	nd	nd
	12/28/2012	Ex Stack	nd	nd	nd	0.110	nd	28.0	nd	0.106
	1/5/2013	Ex Stack	nd	nd	nd	0.103	nd	26.5	nd	nd
	1/14/2013	Ex Stack (H)	nd	nd	nd	0.231	0.203	54.6	nd	nd
	1/22/2013	Ex Stack	nd	nd	nd	0.169	0.169	64.7	nd	nd
	1/31/2013	Ex Stack	nd	nd	nd	0.453	0.475	40.4	nd	nd
	3/8/2013	Ex Stack	nd	nd	nd	nd	nd	19.4	nd	nd
	4/10/2013	Ex Stack	nd	nd	nd	nd	nd	9.85	nd	nd
	5/30/2013	Ex Stack	nd	nd	nd	nd	nd	8.0	nd	nd
6/11/2013	Ex Stack	nd	nd	nd	0.113	0.145	21.8	nd	nd	
<b>SVE-1</b>	1/31/2013	SVE-1	nd	nd	0.123	1.06	0.445	10.8	nd	nd
	3/8/2013	SVE-1	nd	nd	nd	nd	0.147	14.0	nd	nd
	4/10/2013	SVE-1	nd	nd	nd	0.271	0.289	22.8	nd	nd
	5/30/2013	SVE-1	nd	nd	nd	0.333	nd	16.4	nd	nd
	6/11/2013	SVE-1	nd	nd	nd	0.313	0.363	37.7	nd	nd
<b>SVE-2</b>	1/31/2013	SVE-2	nd	nd	0.132	1.04	0.466	5.64	nd	0.190
	3/8/2013	SVE-2	nd	nd	nd	nd	nd	6.82	nd	nd
	4/10/2013	SVE-2	nd	nd	nd	nd	nd	6.55	nd	nd
	5/30/2013	SVE-2	nd	nd	nd	nd	nd	6.27	nd	nd
	6/11/2013	SVE-2	nd	nd	nd	nd	nd	10.6	nd	nd
<b>SVE-3</b>	1/31/2013	SVE-3	nd	nd	0.125	1.03	0.460	15.8	nd	nd
	3/8/2013	SVE-3	nd	nd	nd	1.07	0.553	13.6	nd	nd
	4/10/2013	SVE-3	nd	nd	nd	0.340	0.426	14.2	nd	nd
	5/30/2013	SVE-3	nd	nd	nd	1.08	0.494	14.8	nd	nd
	6/11/2013	SVE-3	nd	nd	nd	3.14	1.74	36.7	nd	nd
<b>SVE-4</b>	1/31/2013	SVE-4	nd	nd	0.125	0.981	0.546	18.3	nd	nd
	3/8/2013	SVE-4	nd	nd	nd	0.853	3.380	70.5	nd	nd
	4/10/2013	SVE-4	nd	nd	nd	1.29	12.1	191	nd	nd
	5/30/2013	SVE-4	nd	nd	nd	0.40	2.52	78.2	nd	nd
	6/11/2013	SVE-4	nd	nd	nd	0.240	1.70	21.0	nd	nd
<b>SVE-5</b>	1/31/2013	SVE-5	nd	nd	0.147	0.62	1.06	45.0	nd	nd
	3/8/2013	SVE-5	nd	nd	nd	0.46	0.66	55.2	nd	nd
	4/10/2013	SVE-5	nd	nd	nd	0.934	1.40	38.1	nd	nd
	5/30/2013	SVE-5	nd	0.222	nd	nd	0.473	33.3	nd	nd
	6/11/2013	SVE-5	0.458	nd	nd	5.87	9.23	238.0	nd	nd
<b>SVE-6</b>	1/31/2013	SVE-6	nd	nd	0.130	0.246	0.716	77.6	nd	nd
	3/8/2013	SVE-6	nd	nd	nd	nd	0.257	307	nd	nd
	4/10/2013	SVE-6	nd	nd	nd	0.204	0.471	240	nd	nd
	5/30/2013	SVE-6	nd	nd	nd	nd	nd	47.4	nd	nd
	6/11/2013	SVE-6	nd	nd	nd	0.284	1.21	370	nd	nd
<b>SVE-7</b>	1/31/2013	SVE-7	nd	nd	0.139	0.388	0.712	57.2	nd	0.187
	3/8/2013	SVE-7	nd	nd	nd	0.591	7.500	165.0	nd	nd
	4/10/2013	SVE-7	nd	nd	nd	nd	0.688	22.9	nd	nd
	5/30/2013	SVE-7	nd	nd	nd	nd	nd	6.0	nd	nd
	6/11/2013	SVE-7	nd	nd	nd	nd	1.72	89.0	nd	nd

**TABLE 3**  
**Vapor Sample Analyses, Volatile Organic Compounds (1)**  
**Former Thinker Toys (Bellevue)**

Sample Location	Sample Date	Sample Number	trans-1,2-Dichloroethene	Chloroethane	Toluene	cis-1, 2-Dichloroethene	Trichloroethene	Tetrachloroethene (TCE)	Chloroform	m, p-Xylene
<b>(Units reported in ug/L)</b>										
<b>SVE-8</b>	1/31/2013	SVE-8	nd	nd	<b>0.134</b>	<b>0.349</b>	<b>0.373</b>	<b>19.7</b>	nd	<b>0.203</b>
	3/8/2013	SVE-8	nd	nd	nd	nd	<b>0.108</b>	<b>6.9</b>	nd	nd
	4/10/2013	SVE-8	nd	nd	nd	nd	nd	<b>4.8</b>	nd	nd
	5/30/2013	SVE-8	nd	nd	nd	nd	nd	<b>4.75</b>	nd	nd
	6/11/2013	SVE-8	nd	nd	nd	nd	<b>0.175</b>	<b>31.6</b>	nd	nd
<b>SVE-9</b>	1/31/2013	SVE-9	nd	nd	<b>0.123</b>	<b>0.312</b>	<b>0.256</b>	<b>14.4</b>	nd	nd
	3/8/2013	SVE-9	nd	nd	nd	nd	nd	<b>17.2</b>	nd	nd
	4/10/2013	SVE-9	nd	nd	nd	nd	nd	<b>6.20</b>	nd	nd
	5/30/2013	SVE-9	nd	<b>0.222</b>	nd	nd	nd	<b>13.7</b>	nd	nd
	6/11/2013	SVE-9	nd	nd	nd	nd	nd	<b>15.2</b>	nd	nd
		<b>RL</b>	0.100	0.100	0.100	0.100	0.100	2.000	0.100	0.100

**Notes:** Refer to site diagram(s) for sampling locations.

(1) Method EPA 8260B, Other 8260 Compounds not listed were not detected.

**H** Holding times for preparation or analysis exceeded.

nd The concentration is less than the given laboratory detection limit.

--- Not Analyzed - No Sample Collected

**4.8** Bold Number(s) Indicates Contaminant Detected.

**RL** Laboratory Reporting Limits for EPA Method 8260

(T) Sample analysis performed by EPA Method TO-15 (ug/m3), results were converted to match EPA Method 8260 (ug/L). Detected analytes shown with nd were below typical Method 8260 reporting limits. Other compounds not listed also were below typical Method 8260 reporting limits.

**Table 4**  
**Vapor Contaminant Removal Summary Calculations**  
**Former Thinker Toys (Bellevue)**  
**Tetrachloroethene (PCE) Removal**

<b>Period Start Date</b>	<b>Period End Date</b>	<b>Pounds Removed During Period</b>
December 7, 2012	December 28, 2012	<b>4.43</b>
December 28, 2012	January 5, 2013	<b>2.27</b>
January 5, 2013	January 14, 2013	<b>3.10</b>
January 14, 2013	January 22, 2013	<b>2.79</b>
January 22, 2013	January 31, 2013	<b>2.96</b>
January 31, 2013	March 8, 2013	<b>10.35</b>
March 8, 2013	April 10, 2013	<b>5.94</b>
April 10, 2013	May 30, 2013	<b>5.58</b>
May 30, 2013	June 11, 2013	<b>2.27</b>
Elapsed Days of Operation:		<b>186</b>
*Total Pounds Removed:		<b>39.69</b>
Average Pounds Per Day Removed:		<b>0.21</b>

\* Quantity removed from start of operation to last day of sample collection.

# **APPENDIX A**

BLOWS/6 inches	INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)	WELL CONSTRUCTION
0			Surface: Asphalt, 4" thick underlain w/crushed rock				<p>4" Boring</p> <p>Concrete Seal</p> <p>Well Cap</p> <p>Bentonite Seal</p> <p>1" PVC Blank</p> <p>Sand</p> <p>1" PVC Screen</p> <p>Native</p> <p>1" PVC Plug</p>
8 9 9	AS-1 @ 5'	AS-1 @ 5'	Gravely Sands, Loose, Moist, Light Brown	5	SW	0.8	
9 7 14	AS-1 @ 10'	AS-1 @ 10'	Gravely Sands, Medium Dense, Dry, Light Brown	5	SW	2.0	
30 50/6"	AS-1 @ 15'	AS-1 @ 15'	Silty Sands, Dense, Dry, Light Brown	60	SM	15.6	
32 50/6"	AS-1 @ 20'	AS-1 @ 20'	Silty Sands, Dense, Dry, Light Brown	60	SM	3.2	
50/5"	AS-1 @ 25'	AS-1 @ 25'	Gravely Sands, Very Dense, Dry, Grey	30	SP	1.2	
50/5"	AS-1 @ 30'	AS-1 @ 30'	Gravely Sands, Very Dense, Dry, Light Brown	25	SP	0.7	
50/4"	AS-1 @ 35'	AS-1 @ 35'	Gravely Sands, Dense, Dry, Grey	20	SP	2.2	

Drilling Method: Hollow-stem auger	Date: 10-16-2012	Other Information: Well Tag: BHK610
Drilling Company: Boretac	Weather: Cloudy, 55 degrees F	
Boring Diameter: 4 Inches	Page 1 of 1	
Logged By: Dan Hatch		

	<b>Boring/Well Log</b> <b>Former Thinker Toys</b> <b>10610 NE 8<sup>th</sup> Street</b> <b>Bellevue, WA 98004</b>	<b>GL-AS-1</b>
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BLOWS/6 inches	INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)	WELL CONSTRUCTION
0			Surface: Asphalt, 4" thick underlain w/crushed rock				
10 15 24	5'	AS-2 @ 5'	Gravely Sands, Medium Dense, Dry, Light Brown	10	SP	1.5	
50/5"	10'	AS-2 @ 10'	Gravely Sands, Very Dense, Dry, Light Brown	20	SW	1.2	
22 34 50	15'	AS-2 @ 15'	Sandy w/ Fines, Dense, Damp, Light Brown	70	SP	1.2	
50/6"	20'	AS-2 @ 20'	Sandy w/ Fines, Dense, Damp, Light Brown	40	SP	1.1	
50/5"	25'	AS-2 @ 25'	Gravely Sands w/ Fines, Very Dense, Damp, Grey	30	SP	0.8	
50/6"	30'	AS-2 @ 30'	Gravely Sands w/ Silt, Very Dense, Moist, Grey	50	SM	0.9	
100/6"	36'	AS-2 @ 36'	Sands, Dense, Dry, Grey	40	SP	.5	

Drilling Method: Hollow-stem auger	Date: 10-15-2012	Other Information: Well Tag: BHK560
Drilling Company: Boretac	Weather: Cloudy, 55 degrees F	
Boring Diameter: 4 Inches	Page 1 of 1	
Logged By: Dan Hatch		

	<b>Boring/Well Log</b> <b>Former Thinker Toys</b> <b>10610 NE 8<sup>th</sup> Street</b> <b>Bellevue, WA 98004</b>	<b>GL-AS-2</b>
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BLOWS/6 inches	INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)	WELL CONSTRUCTION
			No sampling recorded for this well				<p style="text-align: center;"><b>4" Boring</b></p>
0							0
5							5
10							10
15							15
20							20
25							25
30							30
35							35
40							40
45							45
50							50

Drilling Method: Hollow-stem auger	Date: 10-16-2012	Other Information: Well Tag: BHK560
Drilling Company: Boretac	Weather: Cloudy, 55 degrees F	
Boring Diameter: 4 Inches	Page 1 of 1	
Logged By: Dan Hatch		

	<p><b>Boring/Well Log</b>  <b>Former Thinker Toys</b>  <b>10610 NE 8<sup>th</sup> Street</b>  <b>Bellevue, WA 98004</b></p>	<b>GL-AS-3</b>
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BLOWS/6 inches	INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)	WELL CONSTRUCTION
0			Surface: Asphalt, 4" thick underlain w/crushed rock				
5 8, 18	VE-1 @ 4'		Gravelly Sands, Medium Dense, Dry, Light Brown	40	SP	1.3	
5 15 10, 15	VE-1 @ 8'		Gravelly Sands, Medium Dense, Dry, Light Brown	50	SP	1.4	
10							
15							
20							
25							
30							
35							
40							
45							
50							

Drilling Method: Hollow-stem auger	Date: 10-15-2012	Other Information: Well Tag: BHK557
Drilling Company: Boretac	Weather: Overcast, 50 degrees F	
Boring Diameter: 6 Inches	Page 1 of 1	
Logged By: Dan Hatch		

	<b>Boring/Well Log</b> <b>Former Thinker Toys</b> <b>10610 NE 8<sup>th</sup> Street</b> <b>Bellevue, WA 98004</b>	<b>GL-SVE-1</b>
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BLOWS/6 inches	INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)	WELL CONSTRUCTION
0			Surface: Asphalt, 4" thick underlain w/crushed rock				
21	50/6"	VE-2 @ 5'	Gravelly Sands, Medium Dense, Dry, Light Brown	70	SP	0.6	
50/6"		VE-2 @ 10'	Gravelly Sands, Medium Dense, Dry, Light Brown	15	SP	0.6	

Drilling Method: Hollow-stem auger	Date: 10-16-2012	Other Information: Well Tag: BHK613
Drilling Company: Boretac	Weather: Partly Cloudy, 52 degrees F	
Boring Diameter: 6 Inches	Page 1 of 1	
Logged By: Dan Hatch		

	<b>Boring/Well Log</b> <b>Former Thinker Toys</b> <b>10610 NE 8<sup>th</sup> Street</b> <b>Bellevue, WA 98004</b>	<b>GL-SVE-2</b>
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BLOWS/6 inches	INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)	WELL CONSTRUCTION
0			Surface: Asphalt, 4" thick underlain w/crushed rock				
5							
10							
15							
20							
25							
30							
35							
40							
45							
50							

Drilling Method: Hollow-stem auger	Date: 10-15-2012	Other Information: Well Tag: BHK558 No Samples Taken
Drilling Company: Boretac	Weather: Partly Cloudy, 52 degrees F	
Boring Diameter: 6 Inches	Page 1 of 1	
Logged By: Dan Hatch		

	<b>Boring/Well Log</b> <b>Former Thinker Toys</b> <b>10610 NE 8<sup>th</sup> Street</b> <b>Bellevue, WA 98004</b>	<b>GL-SVE-3</b>
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BLOWS/6 inches	INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)	WELL CONSTRUCTION
0			Surface: Asphalt, 4" thick underlain w/crushed rock				
5							
10							
15							
20							
25							
30							
35							
40							
45							
50							

Drilling Method: Hollow-stem auger	Date: 10-16-2012	Other Information: Well Tag: BHK612 No Samples Taken
Drilling Company: Boretac	Weather: Partly Cloudy, 52 degrees F	
Boring Diameter: 6 Inches	Page 1 of 1	
Logged By: Dan Hatch		

	<b>Boring/Well Log</b> <b>Former Thinker Toys</b> <b>10610 NE 8<sup>th</sup> Street</b> <b>Bellevue, WA 98004</b>	<b>GL-SVE-4</b>
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BLOWS/6 inches	INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)	WELL CONSTRUCTION
0			Surface: Asphalt, 4" thick underlain w/crushed rock				
18 22-20	VE-5 @ 5'	VE-5 @ 5'	Gravelly Sands, Medium Dense, Dry, Light Brown	60	SP	1.4	
23 50/5"	VE-5 @ 10'	VE-5 @ 10'	Silty Sands w/ Gravel, Very Dense, Dry, Light Brown	50	SM	2.0	
21 50/6"	VE-5 @ 18'	VE-5 @ 18'	Silty Sands, Very Dense, Moist, Light Brown	50	SM	1.3	
25							
30							
35							
40							
45							
50							

Drilling Method: Hollow-stem auger	Date: 10-15-2012	Other Information: Well Tag: BHK559
Drilling Company: Boretac	Weather: Cloudy, 55 degrees F	
Boring Diameter: 6 Inches	Page 1 of 1	
Logged By: Dan Hatch		

	<b>Boring/Well Log</b> <b>Former Thinker Toys</b> <b>10610 NE 8<sup>th</sup> Street</b> <b>Bellevue, WA 98004</b>	<b>GL-SVE-5</b>
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BLOWS/6 inches	INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)	WELL CONSTRUCTION
0			Surface: Asphalt, 4" thick underlain w/crushed rock				

Drilling Method: Hollow-stem auger	Date: 10-15-2012	Other Information: Well Tag: BHK561 No Samples Taken
Drilling Company: Boretac	Weather: Overcast, 50 degrees F	
Boring Diameter: 6 Inches	Page 1 of 1	
Logged By: Dan Hatch		

	<b>Boring/Well Log</b> <b>Former Thinker Toys</b> <b>10610 NE 8<sup>th</sup> Street</b> <b>Bellevue, WA 98004</b>	<b>GL-SVE-6</b>
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BLOWS/6 inches	INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)	WELL CONSTRUCTION
0			Surface: Asphalt, 4" thick underlain w/crushed rock				
5							
10							
15							
20							
25							
30							
35							
40							
45							
50							

Drilling Method: Hollow-stem auger	Date: 10-16-2012	Other Information: Well Tag: BHK611 No Samples Taken
Drilling Company: Boretac	Weather: Cloudy, 55 degrees F	
Boring Diameter: 6 Inches	Page 1 of 1	
Logged By: Dan Hatch		

	<b>Boring/Well Log</b> <b>Former Thinker Toys</b> <b>10610 NE 8<sup>th</sup> Street</b> <b>Bellevue, WA 98004</b>	<b>GL-SVE-7</b>
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BLOWS/6 inches	INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)	WELL CONSTRUCTION
0			Surface: Asphalt, 4" thick underlain w/crushed rock				
5							
10	VE-8 @ 10'		Silty Sands, Dense, Dry, Light Brown	50	SP	1.2	
15							
20							
25							
30							
35							
40							
45							
50							

Drilling Method: Hollow-stem auger	Date: 10-15-2012	Other Information: Well Tag: BHK607
Drilling Company: Boretac	Weather: Cloudy, 55 degrees F	
Boring Diameter: 6 Inches	Page 1 of 1	
Logged By: Dan Hatch		

	<b>Boring/Well Log</b> <b>Former Thinker Toys</b> <b>10610 NE 8<sup>th</sup> Street</b> <b>Bellevue, WA 98004</b>	<b>GL-SVE-8</b>
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BLOWS/6 inches	INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)	WELL CONSTRUCTION
0			Surface: Asphalt, 4" thick underlain w/crushed rock				
4 2 3		VE-9 @ 5'	Silty Sand w/ Gravel, Loose, Dry, Yellow Brown	50	SM	2.3	
10 13 25		VE-9 @ 10'	Silty Sands, Dense, Dry, Light Brown	60	SM	1.8	
15							
20							
25							
30							
35							
40							
45							
50							

Drilling Method: Hollow-stem auger	Date: 10-15-2012	Other Information: Well Tag: BHK608
Drilling Company: Boretac	Weather: Cloudy, 55 degrees F	
Boring Diameter: 6 Inches	Page 1 of 1	
Logged By: Dan Hatch		

	<b>Boring/Well Log</b> <b>Former Thinker Toys</b> <b>10610 NE 8<sup>th</sup> Street</b> <b>Bellevue, WA 98004</b>	<b>GL-SVE-9</b>
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# **APPENDIX B**

## **APPENDIX D**

### **FIELD EXPLORATION METHODS**

G-Logics performed subsurface soil sampling during the installation of air-sparge and soil-vapor extraction wells on the subject property. The sampling activities were conducted in general accordance with Ecology's guidelines and regulations.

#### **Underground Utility Clearance**

Before conducting the subsurface exploration, G-Logics contacted a service that notifies public utilities of proposed subsurface investigations. Additionally, on-site private utilities were located by a private locating company to identify on-site utilities as well as specific areas of concern. Consequently, the below-grade utility locations were identified by marking their inferred location on the ground surface. This information was used to aid in identifying sampling locations. Additionally, at several boring locations, the first 5 to 7 feet of soils were removed using air-knife methods.

#### **Quality Assurance Quality Control**

Quality Assurance/Quality Control (QA/QC) for the presented scope of work included generally accepted procedures for sample collection, storage, tracking, and documentation. All sampling equipment was washed with a detergent wash and tap water rinse before the collection of the samples. All samples were labeled with a sample number, date, time, and sampler name, and were stored in an ice chest containing frozen "blue ice". Appropriate chain-of-custody documentation was completed.

#### **Hollow-Stem Auger Borings**

Soil borings were drilled using a trailer-mounted hollow-stem auger-drilling rig, provided by our drilling subcontractor. A G-Logics employee was present during the drilling and assisted in obtaining samples of the subsurface materials, maintained a log of the borings, made detailed observations of site conditions, and provided technical assistance, as required.

All drilling and sampling equipment was cleaned before mobilization and between borings to reduce the potential for cross contamination. In addition, the sampling equipment was cleaned between each sampling interval before the collection of the next sample.

### **Auger Soil Sampling, Driven Sampler**

Soil samples were collected by using a Modified California split-spoon sampler, which may have contained three 6-inch-long brass liners (sample tubes) placed end-to-end. Sample collection was attempted at five-foot depth intervals by driving the sampler approximately 18 inches with a 140-pound hammer allowed to free-fall 30 inches. The number of blows required to drive the sampler each 6-inch interval was noted and recorded on the boring logs. Soils were classified according to the Unified Soil Classification System.

Collected soil samples were evaluated for evidence of contamination by visible discoloration of the soil sample or VOCs detected by the PID. A portion of each soil sample was placed into a plastic zip-lock bag, and the vapors were drawn through the PID for qualitative screening of VOCs. The vapor readings were documented as the field screening results. A new plastic bag was used each time a sample was screened.

The collected soils were removed and placed into laboratory-provided glass jars. Samples were collected from the soil core using an Easy Draw Syringe and Powerstop Handle. The soil plug was then extruded into a laboratory-supplied 40 ml VOA Vial containing methanol preservative. The extracted sampler was washed and new liners were used for each sampling attempt.

Collected samples were labeled with a sample number, date, time, and sampler's name and stored in an ice chest containing frozen "blue ice". Chain-of-custody procedures were followed to document sample handling.

### **Well Construction, Hollow-Stem Auger Methods**

Soil borings were completed as Air-Sparge and Soil-Vapor Extraction wells in the following manner:

- The Air-Sparge well casing materials consisted of 1-inch-diameter, flush-threaded, schedule 40 PVC pipe.

- The Soil-Vapor Extraction well casing materials consisted of 2-inch-diameter, flush-threaded, schedule 40 PVC pipe.
- The screened interval of the well casing was perforated with 0.020-inch factory-cut slots.
- The filter pack for the well consisted of clean, 10/20 Colorado Silica Sand.
- The annular seal of the well consisted of granulated Wyoming Bentonite.
- All PVC casing materials were cleaned at the factory before installation.
- The bottom of the well casing was sealed with a threaded sediment cup. Blank (non-slotted) riser casing was used to extend the well from the top of the screened interval to ground surface. The length of the screened interval is identified on the boring logs.
- Well construction was accomplished by lowering the casing, into the completed boring, through the inside of the hollow-stem augers. The augers were withdrawn from the boring about three feet, and the resulting annular space around the well screen was backfilled with sand (poured through the top of the hollow-stem augers). This process was repeated until the filter pack was installed to about two feet above the top of the screened interval. The augers were completely withdrawn from the boring, and the annular space around the blank riser was backfilled with granulated bentonite to the depth shown on the boring logs.
- The well identification was stamped on a metal tag and placed inside the well box.

# APPENDIX C



1311 N. 35th St.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**G-Logics**

Dan Hatch  
40 Second Ave. SE  
Issaquah, Washington 98027

**RE: Former Thinker Toys (739)**

**Lab ID: 1210119**

October 24, 2012

**Attention Dan Hatch:**

Fremont Analytical, Inc. received 16 sample(s) on 10/15/2012 for the analyses presented in the following report.

***Sample Moisture (Percent Moisture)***  
***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee  
Sr. Chemist / Principal



Date: 10/24/2012

**CLIENT:** G-Logics  
**Project:** Former Thinker Toys (739)  
**Lab Order:** 1210119

## Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1210119-001	VE-1@4'	10/15/2012 9:10 AM	10/15/2012 4:55 PM
1210119-002	VE-1@8'	10/15/2012 9:20 AM	10/15/2012 4:55 PM
1210119-003	VE-5@5'	10/15/2012 11:15 AM	10/15/2012 4:55 PM
1210119-004	VE-5@10'	10/15/2012 11:25 AM	10/15/2012 4:55 PM
1210119-005	VE-5@18'	10/15/2012 11:35 AM	10/15/2012 4:55 PM
1210119-006	AS-2@5'	10/15/2012 12:25 PM	10/15/2012 4:55 PM
1210119-007	AS-2@10'	10/15/2012 12:35 PM	10/15/2012 4:55 PM
1210119-008	AS-2@15'	10/15/2012 12:45 PM	10/15/2012 4:55 PM
1210119-009	AS-2@20'	10/15/2012 12:55 PM	10/15/2012 4:55 PM
1210119-010	AS-2@25'	10/15/2012 1:05 PM	10/15/2012 4:55 PM
1210119-011	AS-2@30'	10/15/2012 1:05 PM	10/15/2012 4:55 PM
1210119-012	AS-2@36'	10/15/2012 1:25 PM	10/15/2012 4:55 PM
1210119-013	VE-8@10'	10/15/2012 3:00 PM	10/15/2012 4:55 PM
1210119-014	VE-9@5'	10/15/2012 3:20 PM	10/15/2012 4:55 PM
1210119-015	VE-9@10'	10/15/2012 3:30 PM	10/15/2012 4:55 PM
1210119-016	Trip Blank	10/15/2012 12:00 AM	10/15/2012 4:55 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned



**CLIENT:** G-Logics  
**Project:** Former Thinker Toys (739)

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**I. SAMPLE RECEIPT:**

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



# Analytical Report

WO#: 1210119

Date Reported: 10/24/2012

**Client:** G-Logics

**Collection Date:** 10/15/2012 9:20:00 AM

**Project:** Former Thinker Toys (739)

**Lab ID:** 1210119-002

**Matrix:** Soil

**Client Sample ID:** VE-1@8'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 3467

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0490		mg/Kg-dry	1	10/19/2012 5:31:00 PM
Chloromethane	ND	0.0490		mg/Kg-dry	1	10/19/2012 5:31:00 PM
Vinyl chloride	ND	0.00163		mg/Kg-dry	1	10/19/2012 5:31:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0408		mg/Kg-dry	1	10/19/2012 5:31:00 PM
Chloroethane	ND	0.0490		mg/Kg-dry	1	10/19/2012 5:31:00 PM
1,1-Dichloroethene	ND	0.0408		mg/Kg-dry	1	10/19/2012 5:31:00 PM
Methylene chloride	ND	0.0163		mg/Kg-dry	1	10/19/2012 5:31:00 PM
trans-1,2-Dichloroethene	ND	0.0163		mg/Kg-dry	1	10/19/2012 5:31:00 PM
1,1-Dichloroethane	ND	0.0163		mg/Kg-dry	1	10/19/2012 5:31:00 PM
2,2-Dichloropropane	ND	0.0408		mg/Kg-dry	1	10/19/2012 5:31:00 PM
cis-1,2-Dichloroethene	ND	0.0163		mg/Kg-dry	1	10/19/2012 5:31:00 PM
Chloroform	ND	0.0163		mg/Kg-dry	1	10/19/2012 5:31:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0163		mg/Kg-dry	1	10/19/2012 5:31:00 PM
1,1-Dichloropropene	ND	0.0163		mg/Kg-dry	1	10/19/2012 5:31:00 PM
Carbon tetrachloride	ND	0.0163		mg/Kg-dry	1	10/19/2012 5:31:00 PM
1,2-Dichloroethane (EDC)	ND	0.0245		mg/Kg-dry	1	10/19/2012 5:31:00 PM
Trichloroethene (TCE)	ND	0.0245		mg/Kg-dry	1	10/19/2012 5:31:00 PM
1,2-Dichloropropane	ND	0.0163		mg/Kg-dry	1	10/19/2012 5:31:00 PM
Bromodichloromethane	ND	0.0163		mg/Kg-dry	1	10/19/2012 5:31:00 PM
cis-1,3-Dichloropropene	ND	0.0163		mg/Kg-dry	1	10/19/2012 5:31:00 PM
trans-1,3-Dichloropropene	ND	0.0245		mg/Kg-dry	1	10/19/2012 5:31:00 PM
1,1,2-Trichloroethane	ND	0.0245		mg/Kg-dry	1	10/19/2012 5:31:00 PM
1,3-Dichloropropane	ND	0.0408		mg/Kg-dry	1	10/19/2012 5:31:00 PM
Tetrachloroethene (PCE)	0.258	0.0163		mg/Kg-dry	1	10/19/2012 5:31:00 PM
Dibromochloromethane	ND	0.0245		mg/Kg-dry	1	10/19/2012 5:31:00 PM
Chlorobenzene	ND	0.0163		mg/Kg-dry	1	10/19/2012 5:31:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0245		mg/Kg-dry	1	10/19/2012 5:31:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0163		mg/Kg-dry	1	10/19/2012 5:31:00 PM
2-Chlorotoluene	ND	0.0163		mg/Kg-dry	1	10/19/2012 5:31:00 PM
4-Chlorotoluene	ND	0.0163		mg/Kg-dry	1	10/19/2012 5:31:00 PM
1,2,3-Trichloropropane	ND	0.0163		mg/Kg-dry	1	10/19/2012 5:31:00 PM
1,2,4-Trichlorobenzene	ND	0.0408		mg/Kg-dry	1	10/19/2012 5:31:00 PM
1,3-Dichlorobenzene	ND	0.0163		mg/Kg-dry	1	10/19/2012 5:31:00 PM
1,4-Dichlorobenzene	ND	0.0163		mg/Kg-dry	1	10/19/2012 5:31:00 PM
1,2-Dichlorobenzene	ND	0.0163		mg/Kg-dry	1	10/19/2012 5:31:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1210119

Date Reported: 10/24/2012

**Client:** G-Logics

**Collection Date:** 10/15/2012 9:20:00 AM

**Project:** Former Thinker Toys (739)

**Lab ID:** 1210119-002

**Matrix:** Soil

**Client Sample ID:** VE-1@8'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 3467

Analyst: EM

1,2-Dibromo-3-chloropropane	ND	0.0245		mg/Kg-dry	1	10/19/2012 5:31:00 PM
Hexachloro-1,3-butadiene	ND	0.0816		mg/Kg-dry	1	10/19/2012 5:31:00 PM
1,2,3-Trichlorobenzene	ND	0.0163		mg/Kg-dry	1	10/19/2012 5:31:00 PM
Surr: 1-Bromo-4-fluorobenzene	101	63.1-141		%REC	1	10/19/2012 5:31:00 PM
Surr: Dibromofluoromethane	100	67.6-119		%REC	1	10/19/2012 5:31:00 PM
Surr: Toluene-d8	103	78.5-126		%REC	1	10/19/2012 5:31:00 PM

**Sample Moisture (Percent Moisture)**

Batch ID: R6201

Analyst: CM

Percent Moisture	7.65			wt%	1	10/18/2012 2:45:52 PM
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**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1210119

Date Reported: 10/24/2012

**Client:** G-Logics

**Collection Date:** 10/15/2012 12:45:00 P

**Project:** Former Thinker Toys (739)

**Lab ID:** 1210119-008

**Matrix:** Soil

**Client Sample ID:** AS-2@15'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 3467

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0568		mg/Kg-dry	1	10/19/2012 6:31:00 PM
Chloromethane	ND	0.0568		mg/Kg-dry	1	10/19/2012 6:31:00 PM
Vinyl chloride	ND	0.00189		mg/Kg-dry	1	10/19/2012 6:31:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0473		mg/Kg-dry	1	10/19/2012 6:31:00 PM
Chloroethane	ND	0.0568		mg/Kg-dry	1	10/19/2012 6:31:00 PM
1,1-Dichloroethene	ND	0.0473		mg/Kg-dry	1	10/19/2012 6:31:00 PM
Methylene chloride	ND	0.0189		mg/Kg-dry	1	10/19/2012 6:31:00 PM
trans-1,2-Dichloroethene	ND	0.0189		mg/Kg-dry	1	10/19/2012 6:31:00 PM
1,1-Dichloroethane	ND	0.0189		mg/Kg-dry	1	10/19/2012 6:31:00 PM
2,2-Dichloropropane	ND	0.0473		mg/Kg-dry	1	10/19/2012 6:31:00 PM
cis-1,2-Dichloroethene	ND	0.0189		mg/Kg-dry	1	10/19/2012 6:31:00 PM
Chloroform	ND	0.0189		mg/Kg-dry	1	10/19/2012 6:31:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0189		mg/Kg-dry	1	10/19/2012 6:31:00 PM
1,1-Dichloropropene	ND	0.0189		mg/Kg-dry	1	10/19/2012 6:31:00 PM
Carbon tetrachloride	ND	0.0189		mg/Kg-dry	1	10/19/2012 6:31:00 PM
1,2-Dichloroethane (EDC)	ND	0.0284		mg/Kg-dry	1	10/19/2012 6:31:00 PM
Trichloroethene (TCE)	ND	0.0284		mg/Kg-dry	1	10/19/2012 6:31:00 PM
1,2-Dichloropropane	ND	0.0189		mg/Kg-dry	1	10/19/2012 6:31:00 PM
Bromodichloromethane	ND	0.0189		mg/Kg-dry	1	10/19/2012 6:31:00 PM
cis-1,3-Dichloropropene	ND	0.0189		mg/Kg-dry	1	10/19/2012 6:31:00 PM
trans-1,3-Dichloropropene	ND	0.0284		mg/Kg-dry	1	10/19/2012 6:31:00 PM
1,1,2-Trichloroethane	ND	0.0284		mg/Kg-dry	1	10/19/2012 6:31:00 PM
1,3-Dichloropropane	ND	0.0473		mg/Kg-dry	1	10/19/2012 6:31:00 PM
Tetrachloroethene (PCE)	0.342	0.0189		mg/Kg-dry	1	10/19/2012 6:31:00 PM
Dibromochloromethane	ND	0.0284		mg/Kg-dry	1	10/19/2012 6:31:00 PM
Chlorobenzene	ND	0.0189		mg/Kg-dry	1	10/19/2012 6:31:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0284		mg/Kg-dry	1	10/19/2012 6:31:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0189		mg/Kg-dry	1	10/19/2012 6:31:00 PM
2-Chlorotoluene	ND	0.0189		mg/Kg-dry	1	10/19/2012 6:31:00 PM
4-Chlorotoluene	ND	0.0189		mg/Kg-dry	1	10/19/2012 6:31:00 PM
1,2,3-Trichloropropane	ND	0.0189		mg/Kg-dry	1	10/19/2012 6:31:00 PM
1,2,4-Trichlorobenzene	ND	0.0473		mg/Kg-dry	1	10/19/2012 6:31:00 PM
1,3-Dichlorobenzene	ND	0.0189		mg/Kg-dry	1	10/19/2012 6:31:00 PM
1,4-Dichlorobenzene	ND	0.0189		mg/Kg-dry	1	10/19/2012 6:31:00 PM
1,2-Dichlorobenzene	ND	0.0189		mg/Kg-dry	1	10/19/2012 6:31:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 10/15/2012 12:45:00 P

**Project:** Former Thinker Toys (739)

**Lab ID:** 1210119-008

**Matrix:** Soil

**Client Sample ID:** AS-2@15'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 3467

Analyst: EM

1,2-Dibromo-3-chloropropane	ND	0.0284		mg/Kg-dry	1	10/19/2012 6:31:00 PM
Hexachloro-1,3-butadiene	ND	0.0946		mg/Kg-dry	1	10/19/2012 6:31:00 PM
1,2,3-Trichlorobenzene	ND	0.0189		mg/Kg-dry	1	10/19/2012 6:31:00 PM
Surr: 1-Bromo-4-fluorobenzene	102	63.1-141		%REC	1	10/19/2012 6:31:00 PM
Surr: Dibromofluoromethane	99.8	67.6-119		%REC	1	10/19/2012 6:31:00 PM
Surr: Toluene-d8	102	78.5-126		%REC	1	10/19/2012 6:31:00 PM

**Sample Moisture (Percent Moisture)**

Batch ID: R6201

Analyst: CM

Percent Moisture	9.25			wt%	1	10/18/2012 2:45:52 PM
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**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1210119

Date Reported: 10/24/2012

**Client:** G-Logics

**Collection Date:** 10/15/2012 12:55:00 P

**Project:** Former Thinker Toys (739)

**Lab ID:** 1210119-009

**Matrix:** Soil

**Client Sample ID:** AS-2@20'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 3467

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0491		mg/Kg-dry	1	10/19/2012 7:01:00 PM
Chloromethane	ND	0.0491		mg/Kg-dry	1	10/19/2012 7:01:00 PM
Vinyl chloride	ND	0.00164		mg/Kg-dry	1	10/19/2012 7:01:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0409		mg/Kg-dry	1	10/19/2012 7:01:00 PM
Chloroethane	ND	0.0491		mg/Kg-dry	1	10/19/2012 7:01:00 PM
1,1-Dichloroethene	ND	0.0409		mg/Kg-dry	1	10/19/2012 7:01:00 PM
Methylene chloride	ND	0.0164		mg/Kg-dry	1	10/19/2012 7:01:00 PM
trans-1,2-Dichloroethene	ND	0.0164		mg/Kg-dry	1	10/19/2012 7:01:00 PM
1,1-Dichloroethane	ND	0.0164		mg/Kg-dry	1	10/19/2012 7:01:00 PM
2,2-Dichloropropane	ND	0.0409		mg/Kg-dry	1	10/19/2012 7:01:00 PM
cis-1,2-Dichloroethene	ND	0.0164		mg/Kg-dry	1	10/19/2012 7:01:00 PM
Chloroform	ND	0.0164		mg/Kg-dry	1	10/19/2012 7:01:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0164		mg/Kg-dry	1	10/19/2012 7:01:00 PM
1,1-Dichloropropene	ND	0.0164		mg/Kg-dry	1	10/19/2012 7:01:00 PM
Carbon tetrachloride	ND	0.0164		mg/Kg-dry	1	10/19/2012 7:01:00 PM
1,2-Dichloroethane (EDC)	ND	0.0245		mg/Kg-dry	1	10/19/2012 7:01:00 PM
Trichloroethene (TCE)	ND	0.0245		mg/Kg-dry	1	10/19/2012 7:01:00 PM
1,2-Dichloropropane	ND	0.0164		mg/Kg-dry	1	10/19/2012 7:01:00 PM
Bromodichloromethane	ND	0.0164		mg/Kg-dry	1	10/19/2012 7:01:00 PM
cis-1,3-Dichloropropene	ND	0.0164		mg/Kg-dry	1	10/19/2012 7:01:00 PM
trans-1,3-Dichloropropene	ND	0.0245		mg/Kg-dry	1	10/19/2012 7:01:00 PM
1,1,2-Trichloroethane	ND	0.0245		mg/Kg-dry	1	10/19/2012 7:01:00 PM
1,3-Dichloropropane	ND	0.0409		mg/Kg-dry	1	10/19/2012 7:01:00 PM
Tetrachloroethene (PCE)	0.211	0.0164		mg/Kg-dry	1	10/19/2012 7:01:00 PM
Dibromochloromethane	ND	0.0245		mg/Kg-dry	1	10/19/2012 7:01:00 PM
Chlorobenzene	ND	0.0164		mg/Kg-dry	1	10/19/2012 7:01:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0245		mg/Kg-dry	1	10/19/2012 7:01:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0164		mg/Kg-dry	1	10/19/2012 7:01:00 PM
2-Chlorotoluene	ND	0.0164		mg/Kg-dry	1	10/19/2012 7:01:00 PM
4-Chlorotoluene	ND	0.0164		mg/Kg-dry	1	10/19/2012 7:01:00 PM
1,2,3-Trichloropropane	ND	0.0164		mg/Kg-dry	1	10/19/2012 7:01:00 PM
1,2,4-Trichlorobenzene	ND	0.0409		mg/Kg-dry	1	10/19/2012 7:01:00 PM
1,3-Dichlorobenzene	ND	0.0164		mg/Kg-dry	1	10/19/2012 7:01:00 PM
1,4-Dichlorobenzene	ND	0.0164		mg/Kg-dry	1	10/19/2012 7:01:00 PM
1,2-Dichlorobenzene	ND	0.0164		mg/Kg-dry	1	10/19/2012 7:01:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 10/15/2012 12:55:00 P

**Project:** Former Thinker Toys (739)

**Lab ID:** 1210119-009

**Matrix:** Soil

**Client Sample ID:** AS-2@20'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 3467

Analyst: EM

1,2-Dibromo-3-chloropropane	ND	0.0245		mg/Kg-dry	1	10/19/2012 7:01:00 PM
Hexachloro-1,3-butadiene	ND	0.0818		mg/Kg-dry	1	10/19/2012 7:01:00 PM
1,2,3-Trichlorobenzene	ND	0.0164		mg/Kg-dry	1	10/19/2012 7:01:00 PM
Surr: 1-Bromo-4-fluorobenzene	100	63.1-141		%REC	1	10/19/2012 7:01:00 PM
Surr: Dibromofluoromethane	101	67.6-119		%REC	1	10/19/2012 7:01:00 PM
Surr: Toluene-d8	102	78.5-126		%REC	1	10/19/2012 7:01:00 PM

**Sample Moisture (Percent Moisture)**

Batch ID: R6201

Analyst: CM

Percent Moisture	6.78			wt%	1	10/18/2012 2:45:52 PM
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**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1210119

Date Reported: 10/24/2012

**Client:** G-Logics

**Collection Date:** 10/15/2012 1:25:00 PM

**Project:** Former Thinker Toys (739)

**Lab ID:** 1210119-012

**Matrix:** Soil

**Client Sample ID:** AS-2@36'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 3467

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0500		mg/Kg-dry	1	10/19/2012 7:31:00 PM
Chloromethane	ND	0.0500		mg/Kg-dry	1	10/19/2012 7:31:00 PM
Vinyl chloride	ND	0.00167		mg/Kg-dry	1	10/19/2012 7:31:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0416		mg/Kg-dry	1	10/19/2012 7:31:00 PM
Chloroethane	ND	0.0500		mg/Kg-dry	1	10/19/2012 7:31:00 PM
1,1-Dichloroethene	ND	0.0416		mg/Kg-dry	1	10/19/2012 7:31:00 PM
Methylene chloride	ND	0.0167		mg/Kg-dry	1	10/19/2012 7:31:00 PM
trans-1,2-Dichloroethene	ND	0.0167		mg/Kg-dry	1	10/19/2012 7:31:00 PM
1,1-Dichloroethane	ND	0.0167		mg/Kg-dry	1	10/19/2012 7:31:00 PM
2,2-Dichloropropane	ND	0.0416		mg/Kg-dry	1	10/19/2012 7:31:00 PM
cis-1,2-Dichloroethene	ND	0.0167		mg/Kg-dry	1	10/19/2012 7:31:00 PM
Chloroform	ND	0.0167		mg/Kg-dry	1	10/19/2012 7:31:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0167		mg/Kg-dry	1	10/19/2012 7:31:00 PM
1,1-Dichloropropene	ND	0.0167		mg/Kg-dry	1	10/19/2012 7:31:00 PM
Carbon tetrachloride	ND	0.0167		mg/Kg-dry	1	10/19/2012 7:31:00 PM
1,2-Dichloroethane (EDC)	ND	0.0250		mg/Kg-dry	1	10/19/2012 7:31:00 PM
Trichloroethene (TCE)	ND	0.0250		mg/Kg-dry	1	10/19/2012 7:31:00 PM
1,2-Dichloropropane	ND	0.0167		mg/Kg-dry	1	10/19/2012 7:31:00 PM
Bromodichloromethane	ND	0.0167		mg/Kg-dry	1	10/19/2012 7:31:00 PM
cis-1,3-Dichloropropene	ND	0.0167		mg/Kg-dry	1	10/19/2012 7:31:00 PM
trans-1,3-Dichloropropene	ND	0.0250		mg/Kg-dry	1	10/19/2012 7:31:00 PM
1,1,2-Trichloroethane	ND	0.0250		mg/Kg-dry	1	10/19/2012 7:31:00 PM
1,3-Dichloropropane	ND	0.0416		mg/Kg-dry	1	10/19/2012 7:31:00 PM
Tetrachloroethene (PCE)	ND	0.0167		mg/Kg-dry	1	10/19/2012 7:31:00 PM
Dibromochloromethane	ND	0.0250		mg/Kg-dry	1	10/19/2012 7:31:00 PM
Chlorobenzene	ND	0.0167		mg/Kg-dry	1	10/19/2012 7:31:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0250		mg/Kg-dry	1	10/19/2012 7:31:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0167		mg/Kg-dry	1	10/19/2012 7:31:00 PM
2-Chlorotoluene	ND	0.0167		mg/Kg-dry	1	10/19/2012 7:31:00 PM
4-Chlorotoluene	ND	0.0167		mg/Kg-dry	1	10/19/2012 7:31:00 PM
1,2,3-Trichloropropane	ND	0.0167		mg/Kg-dry	1	10/19/2012 7:31:00 PM
1,2,4-Trichlorobenzene	ND	0.0416		mg/Kg-dry	1	10/19/2012 7:31:00 PM
1,3-Dichlorobenzene	ND	0.0167		mg/Kg-dry	1	10/19/2012 7:31:00 PM
1,4-Dichlorobenzene	ND	0.0167		mg/Kg-dry	1	10/19/2012 7:31:00 PM
1,2-Dichlorobenzene	ND	0.0167		mg/Kg-dry	1	10/19/2012 7:31:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1210119

Date Reported: 10/24/2012

**Client:** G-Logics

**Collection Date:** 10/15/2012 1:25:00 PM

**Project:** Former Thinker Toys (739)

**Lab ID:** 1210119-012

**Matrix:** Soil

**Client Sample ID:** AS-2@36'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 3467

Analyst: EM

1,2-Dibromo-3-chloropropane	ND	0.0250		mg/Kg-dry	1	10/19/2012 7:31:00 PM
Hexachloro-1,3-butadiene	ND	0.0833		mg/Kg-dry	1	10/19/2012 7:31:00 PM
1,2,3-Trichlorobenzene	ND	0.0167		mg/Kg-dry	1	10/19/2012 7:31:00 PM
Surr: 1-Bromo-4-fluorobenzene	100	63.1-141		%REC	1	10/19/2012 7:31:00 PM
Surr: Dibromofluoromethane	101	67.6-119		%REC	1	10/19/2012 7:31:00 PM
Surr: Toluene-d8	104	78.5-126		%REC	1	10/19/2012 7:31:00 PM

**Sample Moisture (Percent Moisture)**

Batch ID: R6201

Analyst: CM

Percent Moisture	7.75			wt%	1	10/18/2012 2:45:52 PM
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**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1210119

Date Reported: 10/24/2012

**Client:** G-Logics

**Collection Date:** 10/15/2012 3:20:00 PM

**Project:** Former Thinker Toys (739)

**Lab ID:** 1210119-014

**Matrix:** Soil

**Client Sample ID:** VE-9@5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>				Batch ID: 3467		Analyst: EM
Dichlorodifluoromethane (CFC-12)	ND	0.0630		mg/Kg-dry	1	10/19/2012 8:01:00 PM
Chloromethane	ND	0.0630		mg/Kg-dry	1	10/19/2012 8:01:00 PM
Vinyl chloride	ND	0.00210		mg/Kg-dry	1	10/19/2012 8:01:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0525		mg/Kg-dry	1	10/19/2012 8:01:00 PM
Chloroethane	ND	0.0630		mg/Kg-dry	1	10/19/2012 8:01:00 PM
1,1-Dichloroethene	ND	0.0525		mg/Kg-dry	1	10/19/2012 8:01:00 PM
Methylene chloride	ND	0.0210		mg/Kg-dry	1	10/19/2012 8:01:00 PM
trans-1,2-Dichloroethene	ND	0.0210		mg/Kg-dry	1	10/19/2012 8:01:00 PM
1,1-Dichloroethane	ND	0.0210		mg/Kg-dry	1	10/19/2012 8:01:00 PM
2,2-Dichloropropane	ND	0.0525		mg/Kg-dry	1	10/19/2012 8:01:00 PM
cis-1,2-Dichloroethene	ND	0.0210		mg/Kg-dry	1	10/19/2012 8:01:00 PM
Chloroform	ND	0.0210		mg/Kg-dry	1	10/19/2012 8:01:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0210		mg/Kg-dry	1	10/19/2012 8:01:00 PM
1,1-Dichloropropene	ND	0.0210		mg/Kg-dry	1	10/19/2012 8:01:00 PM
Carbon tetrachloride	ND	0.0210		mg/Kg-dry	1	10/19/2012 8:01:00 PM
1,2-Dichloroethane (EDC)	ND	0.0315		mg/Kg-dry	1	10/19/2012 8:01:00 PM
Trichloroethene (TCE)	ND	0.0315		mg/Kg-dry	1	10/19/2012 8:01:00 PM
1,2-Dichloropropane	ND	0.0210		mg/Kg-dry	1	10/19/2012 8:01:00 PM
Bromodichloromethane	ND	0.0210		mg/Kg-dry	1	10/19/2012 8:01:00 PM
cis-1,3-Dichloropropene	ND	0.0210		mg/Kg-dry	1	10/19/2012 8:01:00 PM
trans-1,3-Dichloropropene	ND	0.0315		mg/Kg-dry	1	10/19/2012 8:01:00 PM
1,1,2-Trichloroethane	ND	0.0315		mg/Kg-dry	1	10/19/2012 8:01:00 PM
1,3-Dichloropropane	ND	0.0525		mg/Kg-dry	1	10/19/2012 8:01:00 PM
Tetrachloroethene (PCE)	4.12	0.0210		mg/Kg-dry	1	10/19/2012 8:01:00 PM
Dibromochloromethane	ND	0.0315		mg/Kg-dry	1	10/19/2012 8:01:00 PM
Chlorobenzene	ND	0.0210		mg/Kg-dry	1	10/19/2012 8:01:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0315		mg/Kg-dry	1	10/19/2012 8:01:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0210		mg/Kg-dry	1	10/19/2012 8:01:00 PM
2-Chlorotoluene	ND	0.0210		mg/Kg-dry	1	10/19/2012 8:01:00 PM
4-Chlorotoluene	ND	0.0210		mg/Kg-dry	1	10/19/2012 8:01:00 PM
1,2,3-Trichloropropane	ND	0.0210		mg/Kg-dry	1	10/19/2012 8:01:00 PM
1,2,4-Trichlorobenzene	ND	0.0525		mg/Kg-dry	1	10/19/2012 8:01:00 PM
1,3-Dichlorobenzene	ND	0.0210		mg/Kg-dry	1	10/19/2012 8:01:00 PM
1,4-Dichlorobenzene	ND	0.0210		mg/Kg-dry	1	10/19/2012 8:01:00 PM
1,2-Dichlorobenzene	ND	0.0210		mg/Kg-dry	1	10/19/2012 8:01:00 PM

**Qualifiers:**  
 B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1210119

Date Reported: 10/24/2012

**Client:** G-Logics

**Collection Date:** 10/15/2012 3:20:00 PM

**Project:** Former Thinker Toys (739)

**Lab ID:** 1210119-014

**Matrix:** Soil

**Client Sample ID:** VE-9@5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 3467

Analyst: EM

1,2-Dibromo-3-chloropropane	ND	0.0315		mg/Kg-dry	1	10/19/2012 8:01:00 PM
Hexachloro-1,3-butadiene	ND	0.105		mg/Kg-dry	1	10/19/2012 8:01:00 PM
1,2,3-Trichlorobenzene	ND	0.0210		mg/Kg-dry	1	10/19/2012 8:01:00 PM
Surr: 1-Bromo-4-fluorobenzene	99.2	63.1-141		%REC	1	10/19/2012 8:01:00 PM
Surr: Dibromofluoromethane	101	67.6-119		%REC	1	10/19/2012 8:01:00 PM
Surr: Toluene-d8	104	78.5-126		%REC	1	10/19/2012 8:01:00 PM

**Sample Moisture (Percent Moisture)**

Batch ID: R6201

Analyst: CM

Percent Moisture	16.5			wt%	1	10/18/2012 2:45:52 PM
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**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1210119

Date Reported: 10/24/2012

**Client:** G-Logics

**Collection Date:** 10/15/2012 3:30:00 PM

**Project:** Former Thinker Toys (739)

**Lab ID:** 1210119-015

**Matrix:** Soil

**Client Sample ID:** VE-9@10'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 3467

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0567		mg/Kg-dry	1	10/19/2012 8:31:00 PM
Chloromethane	ND	0.0567		mg/Kg-dry	1	10/19/2012 8:31:00 PM
Vinyl chloride	ND	0.00189		mg/Kg-dry	1	10/19/2012 8:31:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0473		mg/Kg-dry	1	10/19/2012 8:31:00 PM
Chloroethane	ND	0.0567		mg/Kg-dry	1	10/19/2012 8:31:00 PM
1,1-Dichloroethene	ND	0.0473		mg/Kg-dry	1	10/19/2012 8:31:00 PM
Methylene chloride	ND	0.0189		mg/Kg-dry	1	10/19/2012 8:31:00 PM
trans-1,2-Dichloroethene	ND	0.0189		mg/Kg-dry	1	10/19/2012 8:31:00 PM
1,1-Dichloroethane	ND	0.0189		mg/Kg-dry	1	10/19/2012 8:31:00 PM
2,2-Dichloropropane	ND	0.0473		mg/Kg-dry	1	10/19/2012 8:31:00 PM
cis-1,2-Dichloroethene	ND	0.0189		mg/Kg-dry	1	10/19/2012 8:31:00 PM
Chloroform	ND	0.0189		mg/Kg-dry	1	10/19/2012 8:31:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0189		mg/Kg-dry	1	10/19/2012 8:31:00 PM
1,1-Dichloropropene	ND	0.0189		mg/Kg-dry	1	10/19/2012 8:31:00 PM
Carbon tetrachloride	ND	0.0189		mg/Kg-dry	1	10/19/2012 8:31:00 PM
1,2-Dichloroethane (EDC)	ND	0.0284		mg/Kg-dry	1	10/19/2012 8:31:00 PM
Trichloroethene (TCE)	ND	0.0284		mg/Kg-dry	1	10/19/2012 8:31:00 PM
1,2-Dichloropropane	ND	0.0189		mg/Kg-dry	1	10/19/2012 8:31:00 PM
Bromodichloromethane	ND	0.0189		mg/Kg-dry	1	10/19/2012 8:31:00 PM
cis-1,3-Dichloropropene	ND	0.0189		mg/Kg-dry	1	10/19/2012 8:31:00 PM
trans-1,3-Dichloropropene	ND	0.0284		mg/Kg-dry	1	10/19/2012 8:31:00 PM
1,1,2-Trichloroethane	ND	0.0284		mg/Kg-dry	1	10/19/2012 8:31:00 PM
1,3-Dichloropropane	ND	0.0473		mg/Kg-dry	1	10/19/2012 8:31:00 PM
Tetrachloroethene (PCE)	0.265	0.0189		mg/Kg-dry	1	10/19/2012 8:31:00 PM
Dibromochloromethane	ND	0.0284		mg/Kg-dry	1	10/19/2012 8:31:00 PM
Chlorobenzene	ND	0.0189		mg/Kg-dry	1	10/19/2012 8:31:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0284		mg/Kg-dry	1	10/19/2012 8:31:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0189		mg/Kg-dry	1	10/19/2012 8:31:00 PM
2-Chlorotoluene	ND	0.0189		mg/Kg-dry	1	10/19/2012 8:31:00 PM
4-Chlorotoluene	ND	0.0189		mg/Kg-dry	1	10/19/2012 8:31:00 PM
1,2,3-Trichloropropane	ND	0.0189		mg/Kg-dry	1	10/19/2012 8:31:00 PM
1,2,4-Trichlorobenzene	ND	0.0473		mg/Kg-dry	1	10/19/2012 8:31:00 PM
1,3-Dichlorobenzene	ND	0.0189		mg/Kg-dry	1	10/19/2012 8:31:00 PM
1,4-Dichlorobenzene	ND	0.0189		mg/Kg-dry	1	10/19/2012 8:31:00 PM
1,2-Dichlorobenzene	ND	0.0189		mg/Kg-dry	1	10/19/2012 8:31:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 10/15/2012 3:30:00 PM

**Project:** Former Thinker Toys (739)

**Lab ID:** 1210119-015

**Matrix:** Soil

**Client Sample ID:** VE-9@10'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 3467

Analyst: EM

1,2-Dibromo-3-chloropropane	ND	0.0284		mg/Kg-dry	1	10/19/2012 8:31:00 PM
Hexachloro-1,3-butadiene	ND	0.0946		mg/Kg-dry	1	10/19/2012 8:31:00 PM
1,2,3-Trichlorobenzene	ND	0.0189		mg/Kg-dry	1	10/19/2012 8:31:00 PM
Surr: 1-Bromo-4-fluorobenzene	101	63.1-141		%REC	1	10/19/2012 8:31:00 PM
Surr: Dibromofluoromethane	100	67.6-119		%REC	1	10/19/2012 8:31:00 PM
Surr: Toluene-d8	104	78.5-126		%REC	1	10/19/2012 8:31:00 PM

**Sample Moisture (Percent Moisture)**

Batch ID: R6201

Analyst: CM

Percent Moisture	9.88			wt%	1	10/18/2012 2:45:52 PM
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**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Work Order:** 1210119  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys (739)

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-3467</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>	Prep Date: <b>10/18/2012</b>	RunNo: <b>6225</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>3467</b>		Analysis Date: <b>10/19/2012</b>	SeqNo: <b>123756</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.434	0.0600	1.000	0	43.4	37.7	136				
Chloromethane	0.670	0.0600	1.000	0	67.0	38.8	132				
Vinyl chloride	0.754	0.00200	1.000	0	75.4	56.1	130				
Trichlorofluoromethane (CFC-11)	0.741	0.0500	1.000	0	74.1	61.8	130				
Chloroethane	0.746	0.0600	1.000	0	74.6	52.2	131				
1,1-Dichloroethene	0.788	0.0500	1.000	0	78.8	64.6	134				
Methylene chloride	0.924	0.0200	1.000	0	92.4	60.6	140				
trans-1,2-Dichloroethene	0.835	0.0200	1.000	0	83.5	68.7	127				
1,1-Dichloroethane	0.897	0.0200	1.000	0	89.6	65.5	132				
2,2-Dichloropropane	0.889	0.0500	1.000	0	88.9	28.1	149				
cis-1,2-Dichloroethene	0.891	0.0200	1.000	0	89.1	71.6	123				
Chloroform	0.930	0.0200	1.000	0	93.0	67.5	129				
1,1,1-Trichloroethane (TCA)	0.878	0.0200	1.000	0	87.8	74.4	130				
1,1-Dichloropropene	0.868	0.0200	1.000	0	86.9	72.7	131				
Carbon tetrachloride	0.795	0.0200	1.000	0	79.5	73	136				
1,2-Dichloroethane (EDC)	0.936	0.0300	1.000	0	93.6	68.7	133				
Trichloroethene (TCE)	0.928	0.0300	1.000	0	92.8	71.5	134				
1,2-Dichloropropane	0.930	0.0200	1.000	0	93.0	72.7	133				
Bromodichloromethane	0.962	0.0200	1.000	0	96.2	76.1	136				
cis-1,3-Dichloropropene	0.954	0.0200	1.000	0	95.4	59.1	143				
trans-1,3-Dichloropropene	0.955	0.0300	1.000	0	95.5	49.2	149				
1,1,2-Trichloroethane	0.984	0.0300	1.000	0	98.4	74.5	129				
1,3-Dichloropropane	0.973	0.0500	1.000	0	97.3	70	130				
Tetrachloroethene (PCE)	1.08	0.0200	1.000	0	108	64.4	150				
Dibromochloromethane	0.980	0.0300	1.000	0	98.0	70.6	144				
Chlorobenzene	0.954	0.0200	1.000	0	95.4	76.1	123				
1,1,1,2-Tetrachloroethane	0.970	0.0300	1.000	0	97.0	74.8	131				
1,1,2,2-Tetrachloroethane	0.986	0.0200	1.000	0	98.6	61.9	139				
2-Chlorotoluene	0.953	0.0200	1.000	0	95.3	76.7	129				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

**Work Order:** 1210119  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys (739)

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-3467</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>				Prep Date: <b>10/18/2012</b>	RunNo: <b>6225</b>				
Client ID: <b>LCSS</b>	Batch ID: <b>3467</b>					Analysis Date: <b>10/19/2012</b>	SeqNo: <b>123756</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chlorotoluene	0.958	0.0200	1.000	0	95.8	77.5	125				
1,2,3-Trichloropropane	0.992	0.0200	1.000	0	99.2	67.9	136				
1,2,4-Trichlorobenzene	0.957	0.0500	1.000	0	95.7	65.6	137				
1,3-Dichlorobenzene	0.961	0.0200	1.000	0	96.1	72.8	128				
1,4-Dichlorobenzene	0.921	0.0200	1.000	0	92.1	72.6	126				
1,2-Dichlorobenzene	0.985	0.0200	1.000	0	98.5	72.8	126				
1,2-Dibromo-3-chloropropane	1.05	0.0300	1.000	0	105	64.3	135				
Hexachloro-1,3-butadiene	0.945	0.100	1.000	0	94.5	42	151				
1,2,3-Trichlorobenzene	0.948	0.0200	1.000	0	94.8	62.1	140				
Surr: 1-Bromo-4-fluorobenzene	0.505		0.5000		101	63.1	141				
Surr: Dibromofluoromethane	0.506		0.5000		101	67.6	119				
Surr: Toluene-d8	0.504		0.5000		101	78.5	126				

Sample ID: <b>MB-3467</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>				Prep Date: <b>10/18/2012</b>	RunNo: <b>6225</b>				
Client ID: <b>MBLKS</b>	Batch ID: <b>3467</b>					Analysis Date: <b>10/19/2012</b>	SeqNo: <b>123757</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0600									
Chloromethane	ND	0.0600									
Vinyl chloride	ND	0.00200									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.0600									
1,1-Dichloroethene	ND	0.0500									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.0500									
cis-1,2-Dichloroethene	ND	0.0200									

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Date: 10/24/2012

**Work Order:** 1210119  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys (739)

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-3467</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>10/18/2012</b>	RunNo: <b>6225</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>3467</b>		Analysis Date: <b>10/19/2012</b>	SeqNo: <b>123757</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloroform	ND	0.0200									
1,1,1-Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane (EDC)	ND	0.0300									
Trichloroethene (TCE)	ND	0.0300									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									
cis-1,3-Dichloropropene	ND	0.0200									
trans-1,3-Dichloropropene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									
Dibromochloromethane	ND	0.0300									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
1,1,2,2-Tetrachloroethane	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.0300									
Hexachloro-1,3-butadiene	ND	0.100									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: 1-Bromo-4-fluorobenzene	0.504		0.5000		101	63.1	141				
Surr: Dibromofluoromethane	0.504		0.5000		101	67.6	119				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits



**Work Order:** 1210119  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys (739)

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-3467</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>10/18/2012</b>	RunNo: <b>6225</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>3467</b>		Analysis Date: <b>10/19/2012</b>	SeqNo: <b>123757</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Toluene-d8                      0.509                      0.5000                      102                      78.5                      126

Sample ID: <b>1210165-002AMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>10/18/2012</b>	RunNo: <b>6225</b>							
Client ID: <b>BATCH</b>	Batch ID: <b>3467</b>		Analysis Date: <b>10/19/2012</b>	SeqNo: <b>123775</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	0.477	0.0431	0.7179	0	66.5	43.5	121				
Chloromethane	0.598	0.0431	0.7179	0	83.3	45	130				
Vinyl chloride	0.570	0.00144	0.7179	0	79.5	51.2	146				
Trichlorofluoromethane (CFC-11)	0.473	0.0359	0.7179	0	66.0	52.2	132				
Chloroethane	0.525	0.0431	0.7179	0	73.1	43.8	117				
1,1-Dichloroethene	0.585	0.0359	0.7179	0	81.5	61.9	141				
Methylene chloride	0.579	0.0144	0.7179	0	80.7	54.7	142				
trans-1,2-Dichloroethene	0.578	0.0144	0.7179	0	80.5	52	136				
1,1-Dichloroethane	0.567	0.0144	0.7179	0	79.0	51.8	141				
2,2-Dichloropropane	0.314	0.0359	0.7179	0	43.7	36	123				
cis-1,2-Dichloroethene	0.556	0.0144	0.7179	0	77.5	58.6	136				
Chloroform	0.600	0.0144	0.7179	0	83.7	53.2	129				
1,1,1-Trichloroethane (TCA)	0.573	0.0144	0.7179	0	79.8	58.3	145				
1,1-Dichloropropene	0.569	0.0144	0.7179	0	79.3	55.1	138				
Carbon tetrachloride	0.489	0.0144	0.7179	0	68.1	53.3	144				
1,2-Dichloroethane (EDC)	0.572	0.0215	0.7179	0	79.7	51.3	139				
Trichloroethene (TCE)	0.683	0.0215	0.7179	0	95.2	68.6	132				
1,2-Dichloropropane	0.579	0.0144	0.7179	0	80.6	59	136				
Bromodichloromethane	0.576	0.0144	0.7179	0	80.2	50.7	141				
cis-1,3-Dichloropropene	0.534	0.0144	0.7179	0	74.5	52.3	129				
trans-1,3-Dichloropropene	0.514	0.0215	0.7179	0	71.7	52.2	138				
1,1,2-Trichloroethane	0.585	0.0215	0.7179	0	81.5	51.6	137				

**Qualifiers:**    B    Analyte detected in the associated Method Blank                      D    Dilution was required                      E    Value above quantitation range  
                       H    Holding times for preparation or analysis exceeded                      J    Analyte detected below quantitation limits                      ND    Not detected at the Reporting Limit  
                       R    RPD outside accepted recovery limits                      RL    Reporting Limit                      S    Spike recovery outside accepted recovery limits

**Work Order:** 1210119  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys (739)

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>1210165-002AMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>10/18/2012</b>	RunNo: <b>6225</b>
Client ID: <b>BATCH</b>	Batch ID: <b>3467</b>		Analysis Date: <b>10/19/2012</b>	SeqNo: <b>123775</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	0.577	0.0359	0.7179	0	80.4	53.1	134				
Tetrachloroethene (PCE)	0.730	0.0144	0.7179	0	102	44.1	141				
Dibromochloromethane	0.582	0.0215	0.7179	0	81.1	55.3	140				
Chlorobenzene	0.577	0.0144	0.7179	0	80.4	60	133				
1,1,1,2-Tetrachloroethane	0.584	0.0215	0.7179	0	81.4	53.1	142				
1,1,2,2-Tetrachloroethane	0.434	0.0144	0.7179	0	60.4	51.9	131				
2-Chlorotoluene	0.546	0.0144	0.7179	0	76.0	51.6	136				
4-Chlorotoluene	0.563	0.0144	0.7179	0	78.5	50.1	139				
1,2,3-Trichloropropane	0.549	0.0144	0.7179	0	76.5	50.5	131				
1,2,4-Trichlorobenzene	0.500	0.0359	0.7179	0	69.7	50.8	130				
1,3-Dichlorobenzene	0.552	0.0144	0.7179	0	76.9	52.6	131				
1,4-Dichlorobenzene	0.530	0.0144	0.7179	0	73.9	52.9	129				
1,2-Dichlorobenzene	0.572	0.0144	0.7179	0	79.8	55.8	129				
1,2-Dibromo-3-chloropropane	0.448	0.0215	0.7179	0	62.4	53	129				
Hexachloro-1,3-butadiene	0.538	0.0718	0.7179	0	75.0	51.5	130				
1,2,3-Trichlorobenzene	0.516	0.0144	0.7179	0	71.9	54.4	124				
Surr: 1-Bromo-4-fluorobenzene	0.364		0.3589		101	63.1	141				
Surr: Dibromofluoromethane	0.361		0.3589		101	67.6	119				
Surr: Toluene-d8	0.365		0.3589		102	78.5	126				

Sample ID: <b>1210119-002ADUP</b>	SampType: <b>DUP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>10/18/2012</b>	RunNo: <b>6225</b>
Client ID: <b>VE-1@8'</b>	Batch ID: <b>3467</b>		Analysis Date: <b>10/19/2012</b>	SeqNo: <b>124584</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0490						0	0	30	
Chloromethane	ND	0.0490						0	0	30	
Vinyl chloride	ND	0.00163						0	0	30	
Trichlorofluoromethane (CFC-11)	ND	0.0408						0	0	30	

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Date: 10/24/2012

**Work Order:** 1210119  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys (739)

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>1210119-002ADUP</b>	SampType: <b>DUP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>10/18/2012</b>	RunNo: <b>6225</b>							
Client ID: <b>VE-1@8'</b>	Batch ID: <b>3467</b>		Analysis Date: <b>10/19/2012</b>	SeqNo: <b>124584</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	ND	0.0490						0	0	30	
1,1-Dichloroethene	ND	0.0408						0	0	30	
Methylene chloride	ND	0.0163						0	0	30	
trans-1,2-Dichloroethene	ND	0.0163						0	0	30	
1,1-Dichloroethane	ND	0.0163						0	0	30	
2,2-Dichloropropane	ND	0.0408						0	0	30	
cis-1,2-Dichloroethene	ND	0.0163						0	0	30	
Chloroform	ND	0.0163						0	0	30	
1,1,1-Trichloroethane (TCA)	ND	0.0163						0	0	30	
1,1-Dichloropropene	ND	0.0163						0	0	30	
Carbon tetrachloride	ND	0.0163						0	0	30	
1,2-Dichloroethane (EDC)	ND	0.0245						0	0	30	
Trichloroethene (TCE)	ND	0.0245						0	0	30	
1,2-Dichloropropane	ND	0.0163						0	0	30	
Bromodichloromethane	ND	0.0163						0	0	30	
cis-1,3-Dichloropropene	ND	0.0163						0	0	30	
trans-1,3-Dichloropropene	ND	0.0245						0	0	30	
1,1,2-Trichloroethane	ND	0.0245						0	0	30	
1,3-Dichloropropane	ND	0.0408						0	0	30	
Tetrachloroethene (PCE)	0.273	0.0163						0.2579	5.54	30	
Dibromochloromethane	ND	0.0245						0	0	30	
Chlorobenzene	ND	0.0163						0	0	30	
1,1,1,2-Tetrachloroethane	ND	0.0245						0	0	30	
1,1,2,2-Tetrachloroethane	ND	0.0163						0	0	30	
2-Chlorotoluene	ND	0.0163						0	0	30	
4-Chlorotoluene	ND	0.0163						0	0	30	
1,2,3-Trichloropropane	ND	0.0163						0	0	30	
1,2,4-Trichlorobenzene	ND	0.0408						0	0	30	
1,3-Dichlorobenzene	ND	0.0163						0	0	30	

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

**Work Order:** 1210119  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys (739)

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>1210119-002ADUP</b>	SampType: <b>DUP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>10/18/2012</b>	RunNo: <b>6225</b>							
Client ID: <b>VE-1@8'</b>	Batch ID: <b>3467</b>		Analysis Date: <b>10/19/2012</b>	SeqNo: <b>124584</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,4-Dichlorobenzene	ND	0.0163						0	0	30	
1,2-Dichlorobenzene	ND	0.0163						0	0	30	
1,2-Dibromo-3-chloropropane	ND	0.0245						0	0	30	
Hexachloro-1,3-butadiene	ND	0.0816						0	0	30	
1,2,3-Trichlorobenzene	ND	0.0163						0	0	30	
Surr: 1-Bromo-4-fluorobenzene	0.404		0.4080		99.0	63.1	141		0		
Surr: Dibromofluoromethane	0.411		0.4080		101	67.6	119		0		
Surr: Toluene-d8	0.423		0.4080		104	78.5	126		0		

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client Name: **GL**

 Work Order Number: **1210119**

 Logged by: **Clare Griggs**

 Date Received: **10/15/2012 4:55:00 PM**

### Chain of Custody

1. Were custodial seals present? Yes  No  Not Required
2. Is Chain of Custody complete? Yes  No  Not Present
3. How was the sample delivered? Client

### Log In

4. Coolers are present? Yes  No  NA
5. Was an attempt made to cool the samples? Yes  No  NA
6. Were all coolers received at a temperature of >0° C to 10.0°C Yes  No  NA
7. Sample(s) in proper container(s)? Yes  No
8. Sufficient sample volume for indicated test(s)? Yes  No
9. Are samples properly preserved? Yes  No
10. Was preservative added to bottles? Yes  No  NA
11. Is there headspace present in VOA vials? Yes  No  NA
12. Did all sample containers arrive in good condition?(unbroken) Yes  No
13. Does paperwork match bottle labels? Yes  No
14. Are matrices correctly identified on Chain of Custody? Yes  No
15. Is it clear what analyses were requested? Yes  No
16. Were all holding times able to be met? Yes  No

### Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified:	<input type="text" value="Dan Hatch"/>	Date:	<input type="text" value="10/15/2012"/>
By Whom:	<input type="text" value="Clare Griggs"/>	Via:	<input checked="" type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text" value="No analyses requested on COC"/>		
Client Instructions:	<input type="text" value="Will know in a couple days."/>		

18. Additional remarks/Discrepancies

### Item Information

Item #	Temp °C	Condition
Cooler	9.6	Good



**Fremont**  
Analytical

1311 N. 35th Street  
Seattle, WA 98103

Tel: 206-352-3730  
Fax: 206-352-7178

Client: G-L Logistics  
Address: Issaquah  
City, State, Zip: \_\_\_\_\_  
Tel: \_\_\_\_\_

# Chain of Custody Record

Laboratory Project No (Internal): 1210119  
Page: 1 of: 2  
Project Name: Former Thinker Toys (739)  
Bellevue  
Collected by: Dan Hatch 253-389-5334  
Project No: 01-0739-B

Date: 10-15-12

Project Name:  
Location:  
Collected by:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	Reports To (PM):	Fax:	Email:	Comments/Depth
1 VE-104'	10/15	910	Soil				1-4oz, 2-Vol <del>See Analysis</del>
2 VE-108'	10/15	920					
3 VE-505'		1115					
4 VE-5010'		1125					
5 VE-5018'		1135					
6 AS-205'		1225					
7 AS-2010'		1235					
8 AS-2015'		1245					
9 AS-2020'		1265					
10 AS-2025'		1305					

\* Metals Analysis (Circle): MTCA-5 Nitrate Nitrite Chloride Sulfate Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn  
 \*\* Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Fluoride O-Phosphate Nitrate-Nitrite  
 Sample Disposal:  Return to Client  Disposal by Lab (A fee may be assessed if samples are retained after 90 days.)

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Relinquished: [Signature] Date/Time: 10/15/12 1655  
 Received: [Signature] Date/Time: 10/15/12 16:55  
 Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Special Remarks:  
 IAT -> Next Day 2 Day 3 Day STD



1311 N. 35th Street  
Seattle, WA 98103  
Tel: 206-352-3790  
Fax: 206-352-7178

Client: G-Logics  
Address: Issaquah  
City, State, Zip: \_\_\_\_\_  
Tel: \_\_\_\_\_

# Chain of Custody Record

Laboratory Project No (Internal): \_\_\_\_\_  
Page: 2 of: 2

Project Name: Former Thinker Toys (739)  
Location: Bellevue  
Collected by: Dan Ketch 353-387-5334

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	Reports To (PM):	Fax:	Email:	Project No:	Comments/Depth
1. AS-2030	01/15	1305	Soil				61-0739-13	1-402 2-00A
2. AS-2036	10/15	1325	}					}
3. VE-9010		1500						
4. VE-905		1520						
5. VE-9016		1530						
6.								
7.								
8.								
9.								
10.								

**\*Metals Analysis (Circle):** MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Ni Pb Sb Se Sr Sn Ti U V Zn

**\*\*Anions (Circle):** Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite

**Sample Disposal:**  Return to Client  Disposal by Lab (a fee may be assessed if samples are retained after 30 days.)

Relinquished Same Date/Time 10/15/12 16:55 Received Froy Zehn Date/Time 10/15/12 16:55

Relinquished \_\_\_\_\_ Date/Time \_\_\_\_\_ Received \_\_\_\_\_ Date/Time \_\_\_\_\_

TAT -> Next Day 2 Day 3 Day STD



3333 N. 35th Street  
 Seattle, WA 98103

Tel: 206-352-3790  
 Fax: 206-352-7178

# Chain of Custody Record

Laboratory Project No (if different): **1210119a**  
 Page: **1** of **7**  
 Project Name: **Former Thinker Toys (739)**  
 Location: **Belleview**  
 Collected by: **John Hatcher 253-389-5234**

Date: **10-15-12**  
 Project No: **01-0739-B**

Client: **Logistics**  
 Address: **Tropick**  
 City/State/Zip: **Tropick**  
 Tel: **206-352-7178**

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	Comments/Depth
VE-104	10/15	9:10	Soil X <sup>W</sup>	1-4oz, 2-4oz
VE-104'	10/15	9:20	Soil X <sup>W</sup>	
VE-505'		11:15	Soil X <sup>W</sup>	
VE-5010'		12:5	Soil X <sup>W</sup>	
VE-5018'		13:5	Soil X <sup>W</sup>	
AS-205'		12:25	Soil X <sup>W</sup>	
AS-2010'		12:35	Soil X <sup>W</sup>	
AS-2015'		12:45	Soil X <sup>W</sup>	
AS-2020'		12:55	Soil X <sup>W</sup>	
AS-2025'		13:05	Soil X <sup>W</sup>	

\*Metals Analysis (Circle): Ni, Cr, Pb, Cu, Cd, Co, Mn, Fe, Hg, K, Mg, Mo, Na, Ni, Pb, Se, Sr, Sn, Ti, U, V, Zn

\*\*Anions (Circle): Nitrate, Chloride, Sulfate, Bromide, Fluoride, Nitrate-Nitrite

Sample Disposal:  Return to Client  D-spouse by Lab (X) (X) may be necessary if samples are not of size 25 cent.

Retrieved: **10/15/12 16:55** Date/Time  
 Received: **10/15/12 16:55** Date/Time

TAT -> Next Day 2 Day 3 Day STD







1311 N. 35th St.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**G-Logics**

Dan Hatch  
40 Second Ave. SE  
Issaquah, Washington 98027

**RE: Former Thinker Toys (739)**

**Lab ID: 1210136**

October 25, 2012

**Attention Dan Hatch:**

Fremont Analytical, Inc. received 9 sample(s) on 10/16/2012 for the analyses presented in the following report.

***Sample Moisture (Percent Moisture)***  
***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee  
Sr. Chemist / Principal



Date: 10/25/2012

---

**CLIENT:** G-Logics  
**Project:** Former Thinker Toys (739)  
**Lab Order:** 1210136

---

## Work Order Sample Summary

---

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1210136-001	AS-1@5	10/16/2012 10:05 AM	10/16/2012 4:45 PM
1210136-002	AS-1@10	10/16/2012 10:20 AM	10/16/2012 4:45 PM
1210136-003	AS-1@15	10/16/2012 10:30 AM	10/16/2012 4:45 PM
1210136-004	AS-1@20	10/16/2012 10:40 AM	10/16/2012 4:45 PM
1210136-005	AS-1@25	10/16/2012 10:50 AM	10/16/2012 4:45 PM
1210136-006	AS-1@30	10/16/2012 11:05 AM	10/16/2012 4:45 PM
1210136-007	AS-1@35	10/16/2012 11:10 AM	10/16/2012 4:45 PM
1210136-008	VE-2@5	10/16/2012 1:40 PM	10/16/2012 4:45 PM
1210136-009	VE-2@10	10/16/2012 1:50 PM	10/16/2012 4:45 PM

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Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

**CLIENT:** G-Logics  
**Project:** Former Thinker Toys (739)

---

**I. SAMPLE RECEIPT:**

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



# Analytical Report

WO#: 1210136

Date Reported: 10/25/2012

**Client:** G-Logics

**Collection Date:** 10/16/2012 10:30:00 A

**Project:** Former Thinker Toys (739)

**Lab ID:** 1210136-003

**Matrix:** Soil

**Client Sample ID:** AS-1@15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 3491

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0548		mg/Kg-dry	1	10/25/2012 12:45:00 AM
Chloromethane	ND	0.0548		mg/Kg-dry	1	10/25/2012 12:45:00 AM
Vinyl chloride	ND	0.00183		mg/Kg-dry	1	10/25/2012 12:45:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0457		mg/Kg-dry	1	10/25/2012 12:45:00 AM
Chloroethane	ND	0.0548		mg/Kg-dry	1	10/25/2012 12:45:00 AM
1,1-Dichloroethene	ND	0.0457		mg/Kg-dry	1	10/25/2012 12:45:00 AM
Methylene chloride	ND	0.0183		mg/Kg-dry	1	10/25/2012 12:45:00 AM
trans-1,2-Dichloroethene	ND	0.0183		mg/Kg-dry	1	10/25/2012 12:45:00 AM
1,1-Dichloroethane	ND	0.0183		mg/Kg-dry	1	10/25/2012 12:45:00 AM
2,2-Dichloropropane	ND	0.0457		mg/Kg-dry	1	10/25/2012 12:45:00 AM
cis-1,2-Dichloroethene	0.397	0.0183		mg/Kg-dry	1	10/25/2012 12:45:00 AM
Chloroform	ND	0.0183		mg/Kg-dry	1	10/25/2012 12:45:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0183		mg/Kg-dry	1	10/25/2012 12:45:00 AM
1,1-Dichloropropene	ND	0.0183		mg/Kg-dry	1	10/25/2012 12:45:00 AM
Carbon tetrachloride	ND	0.0183		mg/Kg-dry	1	10/25/2012 12:45:00 AM
1,2-Dichloroethane (EDC)	ND	0.0274		mg/Kg-dry	1	10/25/2012 12:45:00 AM
Trichloroethene (TCE)	0.479	0.0274		mg/Kg-dry	1	10/25/2012 12:45:00 AM
1,2-Dichloropropane	ND	0.0183		mg/Kg-dry	1	10/25/2012 12:45:00 AM
Bromodichloromethane	ND	0.0183		mg/Kg-dry	1	10/25/2012 12:45:00 AM
cis-1,3-Dichloropropene	ND	0.0183		mg/Kg-dry	1	10/25/2012 12:45:00 AM
trans-1,3-Dichloropropene	ND	0.0274		mg/Kg-dry	1	10/25/2012 12:45:00 AM
1,1,2-Trichloroethane	ND	0.0274		mg/Kg-dry	1	10/25/2012 12:45:00 AM
1,3-Dichloropropane	ND	0.0457		mg/Kg-dry	1	10/25/2012 12:45:00 AM
Tetrachloroethene (PCE)	0.898	0.0183		mg/Kg-dry	1	10/25/2012 12:45:00 AM
Dibromochloromethane	ND	0.0274		mg/Kg-dry	1	10/25/2012 12:45:00 AM
Chlorobenzene	ND	0.0183		mg/Kg-dry	1	10/25/2012 12:45:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0274		mg/Kg-dry	1	10/25/2012 12:45:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0183		mg/Kg-dry	1	10/25/2012 12:45:00 AM
2-Chlorotoluene	ND	0.0183		mg/Kg-dry	1	10/25/2012 12:45:00 AM
4-Chlorotoluene	ND	0.0183		mg/Kg-dry	1	10/25/2012 12:45:00 AM
1,2,3-Trichloropropane	ND	0.0183		mg/Kg-dry	1	10/25/2012 12:45:00 AM
1,2,4-Trichlorobenzene	ND	0.0457		mg/Kg-dry	1	10/25/2012 12:45:00 AM
1,3-Dichlorobenzene	ND	0.0183		mg/Kg-dry	1	10/25/2012 12:45:00 AM
1,4-Dichlorobenzene	ND	0.0183		mg/Kg-dry	1	10/25/2012 12:45:00 AM
1,2-Dichlorobenzene	ND	0.0183		mg/Kg-dry	1	10/25/2012 12:45:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1210136

Date Reported: 10/25/2012

**Client:** G-Logics

**Collection Date:** 10/16/2012 10:30:00 A

**Project:** Former Thinker Toys (739)

**Lab ID:** 1210136-003

**Matrix:** Soil

**Client Sample ID:** AS-1@15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b><u>Volatile Organic Compounds by EPA Method 8260</u></b>					Batch ID: 3491	Analyst: EM
1,2-Dibromo-3-chloropropane	ND	0.0274		mg/Kg-dry	1	10/25/2012 12:45:00 AM
Hexachloro-1,3-butadiene	ND	0.0914		mg/Kg-dry	1	10/25/2012 12:45:00 AM
1,2,3-Trichlorobenzene	ND	0.0183		mg/Kg-dry	1	10/25/2012 12:45:00 AM
Surr: 1-Bromo-4-fluorobenzene	101	63.1-141		%REC	1	10/25/2012 12:45:00 AM
Surr: Dibromofluoromethane	96.5	67.6-119		%REC	1	10/25/2012 12:45:00 AM
Surr: Toluene-d8	99.5	78.5-126		%REC	1	10/25/2012 12:45:00 AM
<b><u>Sample Moisture (Percent Moisture)</u></b>					Batch ID: R6201	Analyst: CM
Percent Moisture	7.79			wt%	1	10/18/2012 2:45:52 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1210136

Date Reported: 10/25/2012

**Client:** G-Logics

**Collection Date:** 10/16/2012 10:40:00 A

**Project:** Former Thinker Toys (739)

**Lab ID:** 1210136-004

**Matrix:** Soil

**Client Sample ID:** AS-1@20

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 3491

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0617		mg/Kg-dry	1	10/25/2012 1:14:00 AM
Chloromethane	ND	0.0617		mg/Kg-dry	1	10/25/2012 1:14:00 AM
Vinyl chloride	ND	0.00206		mg/Kg-dry	1	10/25/2012 1:14:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0514		mg/Kg-dry	1	10/25/2012 1:14:00 AM
Chloroethane	ND	0.0617		mg/Kg-dry	1	10/25/2012 1:14:00 AM
1,1-Dichloroethene	ND	0.0514		mg/Kg-dry	1	10/25/2012 1:14:00 AM
Methylene chloride	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:14:00 AM
trans-1,2-Dichloroethene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:14:00 AM
1,1-Dichloroethane	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:14:00 AM
2,2-Dichloropropane	ND	0.0514		mg/Kg-dry	1	10/25/2012 1:14:00 AM
cis-1,2-Dichloroethene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:14:00 AM
Chloroform	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:14:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:14:00 AM
1,1-Dichloropropene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:14:00 AM
Carbon tetrachloride	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:14:00 AM
1,2-Dichloroethane (EDC)	ND	0.0308		mg/Kg-dry	1	10/25/2012 1:14:00 AM
Trichloroethene (TCE)	ND	0.0308		mg/Kg-dry	1	10/25/2012 1:14:00 AM
1,2-Dichloropropane	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:14:00 AM
Bromodichloromethane	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:14:00 AM
cis-1,3-Dichloropropene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:14:00 AM
trans-1,3-Dichloropropene	ND	0.0308		mg/Kg-dry	1	10/25/2012 1:14:00 AM
1,1,2-Trichloroethane	ND	0.0308		mg/Kg-dry	1	10/25/2012 1:14:00 AM
1,3-Dichloropropane	ND	0.0514		mg/Kg-dry	1	10/25/2012 1:14:00 AM
Tetrachloroethene (PCE)	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:14:00 AM
Dibromochloromethane	ND	0.0308		mg/Kg-dry	1	10/25/2012 1:14:00 AM
Chlorobenzene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:14:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0308		mg/Kg-dry	1	10/25/2012 1:14:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:14:00 AM
2-Chlorotoluene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:14:00 AM
4-Chlorotoluene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:14:00 AM
1,2,3-Trichloropropane	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:14:00 AM
1,2,4-Trichlorobenzene	ND	0.0514		mg/Kg-dry	1	10/25/2012 1:14:00 AM
1,3-Dichlorobenzene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:14:00 AM
1,4-Dichlorobenzene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:14:00 AM
1,2-Dichlorobenzene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:14:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1210136

Date Reported: 10/25/2012

**Client:** G-Logics

**Collection Date:** 10/16/2012 10:40:00 A

**Project:** Former Thinker Toys (739)

**Lab ID:** 1210136-004

**Matrix:** Soil

**Client Sample ID:** AS-1@20

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 3491

Analyst: EM

1,2-Dibromo-3-chloropropane	ND	0.0308		mg/Kg-dry	1	10/25/2012 1:14:00 AM
Hexachloro-1,3-butadiene	ND	0.103		mg/Kg-dry	1	10/25/2012 1:14:00 AM
1,2,3-Trichlorobenzene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:14:00 AM
Surr: 1-Bromo-4-fluorobenzene	100	63.1-141		%REC	1	10/25/2012 1:14:00 AM
Surr: Dibromofluoromethane	94.0	67.6-119		%REC	1	10/25/2012 1:14:00 AM
Surr: Toluene-d8	99.8	78.5-126		%REC	1	10/25/2012 1:14:00 AM

**Sample Moisture (Percent Moisture)**

Batch ID: R6201

Analyst: CM

Percent Moisture	7.34			wt%	1	10/18/2012 2:45:52 PM
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**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1210136

Date Reported: 10/25/2012

**Client:** G-Logics

**Collection Date:** 10/16/2012 11:10:00 A

**Project:** Former Thinker Toys (739)

**Lab ID:** 1210136-007

**Matrix:** Soil

**Client Sample ID:** AS-1@35

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 3491

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	0.0617		mg/Kg-dry	1	10/25/2012 1:44:00 AM
Chloromethane	ND	0.0617		mg/Kg-dry	1	10/25/2012 1:44:00 AM
Vinyl chloride	ND	0.00206		mg/Kg-dry	1	10/25/2012 1:44:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0514		mg/Kg-dry	1	10/25/2012 1:44:00 AM
Chloroethane	ND	0.0617		mg/Kg-dry	1	10/25/2012 1:44:00 AM
1,1-Dichloroethene	ND	0.0514		mg/Kg-dry	1	10/25/2012 1:44:00 AM
Methylene chloride	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:44:00 AM
trans-1,2-Dichloroethene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:44:00 AM
1,1-Dichloroethane	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:44:00 AM
2,2-Dichloropropane	ND	0.0514		mg/Kg-dry	1	10/25/2012 1:44:00 AM
cis-1,2-Dichloroethene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:44:00 AM
Chloroform	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:44:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:44:00 AM
1,1-Dichloropropene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:44:00 AM
Carbon tetrachloride	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:44:00 AM
1,2-Dichloroethane (EDC)	ND	0.0308		mg/Kg-dry	1	10/25/2012 1:44:00 AM
Trichloroethene (TCE)	ND	0.0308		mg/Kg-dry	1	10/25/2012 1:44:00 AM
1,2-Dichloropropane	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:44:00 AM
Bromodichloromethane	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:44:00 AM
cis-1,3-Dichloropropene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:44:00 AM
trans-1,3-Dichloropropene	ND	0.0308		mg/Kg-dry	1	10/25/2012 1:44:00 AM
1,1,2-Trichloroethane	ND	0.0308		mg/Kg-dry	1	10/25/2012 1:44:00 AM
1,3-Dichloropropane	ND	0.0514		mg/Kg-dry	1	10/25/2012 1:44:00 AM
Tetrachloroethene (PCE)	0.0509	0.0206		mg/Kg-dry	1	10/25/2012 1:44:00 AM
Dibromochloromethane	ND	0.0308		mg/Kg-dry	1	10/25/2012 1:44:00 AM
Chlorobenzene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:44:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0308		mg/Kg-dry	1	10/25/2012 1:44:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:44:00 AM
2-Chlorotoluene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:44:00 AM
4-Chlorotoluene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:44:00 AM
1,2,3-Trichloropropane	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:44:00 AM
1,2,4-Trichlorobenzene	ND	0.0514		mg/Kg-dry	1	10/25/2012 1:44:00 AM
1,3-Dichlorobenzene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:44:00 AM
1,4-Dichlorobenzene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:44:00 AM
1,2-Dichlorobenzene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:44:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1210136

Date Reported: 10/25/2012

**Client:** G-Logics

**Collection Date:** 10/16/2012 11:10:00 A

**Project:** Former Thinker Toys (739)

**Lab ID:** 1210136-007

**Matrix:** Soil

**Client Sample ID:** AS-1@35

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b><u>Volatile Organic Compounds by EPA Method 8260</u></b>					Batch ID: 3491	Analyst: EM
1,2-Dibromo-3-chloropropane	ND	0.0308		mg/Kg-dry	1	10/25/2012 1:44:00 AM
Hexachloro-1,3-butadiene	ND	0.103		mg/Kg-dry	1	10/25/2012 1:44:00 AM
1,2,3-Trichlorobenzene	ND	0.0206		mg/Kg-dry	1	10/25/2012 1:44:00 AM
Surr: 1-Bromo-4-fluorobenzene	101	63.1-141		%REC	1	10/25/2012 1:44:00 AM
Surr: Dibromofluoromethane	96.1	67.6-119		%REC	1	10/25/2012 1:44:00 AM
Surr: Toluene-d8	101	78.5-126		%REC	1	10/25/2012 1:44:00 AM
<b><u>Sample Moisture (Percent Moisture)</u></b>					Batch ID: R6201	Analyst: CM
Percent Moisture	7.84			wt%	1	10/18/2012 2:45:52 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



Date: 10/25/2012

**Work Order:** 1210136  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys (739)

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>1210192-001ADUP</b>	SampType: <b>DUP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>10/22/2012</b>	RunNo: <b>6265</b>							
Client ID: <b>BATCH</b>	Batch ID: <b>3491</b>		Analysis Date: <b>10/23/2012</b>	SeqNo: <b>124368</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0622						0	0	30	
Chloromethane	ND	0.0622						0	0	30	
Vinyl chloride	ND	0.00207						0	0	30	
Trichlorofluoromethane (CFC-11)	ND	0.0518						0	0	30	
Chloroethane	ND	0.0622						0	0	30	
1,1-Dichloroethene	ND	0.0518						0	0	30	
Methylene chloride	ND	0.0207						0	0	30	
trans-1,2-Dichloroethene	ND	0.0207						0	0	30	
1,1-Dichloroethane	ND	0.0207						0	0	30	
2,2-Dichloropropane	ND	0.0518						0	0	30	
cis-1,2-Dichloroethene	ND	0.0207						0	0	30	
Chloroform	0.0290	0.0207						0.02745	5.50	30	
1,1,1-Trichloroethane (TCA)	ND	0.0207						0	0	30	
1,1-Dichloropropene	ND	0.0207						0	0	30	
Carbon tetrachloride	ND	0.0207						0	0	30	
1,2-Dichloroethane (EDC)	ND	0.0311						0	0	30	
Trichloroethene (TCE)	ND	0.0311						0	0	30	
1,2-Dichloropropane	ND	0.0207						0	0	30	
Bromodichloromethane	ND	0.0207						0	0	30	
cis-1,3-Dichloropropene	ND	0.0207						0	0	30	
trans-1,3-Dichloropropene	ND	0.0311						0	0	30	
1,1,2-Trichloroethane	ND	0.0311						0	0	30	
1,3-Dichloropropane	ND	0.0518						0	0	30	
Tetrachloroethene (PCE)	ND	0.0207						0	0	30	
Dibromochloromethane	ND	0.0311						0	0	30	
Chlorobenzene	ND	0.0207						0	0	30	
1,1,1,2-Tetrachloroethane	ND	0.0311						0	0	30	
1,1,2,2-Tetrachloroethane	ND	0.0207						0	0	30	
2-Chlorotoluene	ND	0.0207						0	0	30	

**Qualifiers:** B Analyte detected in the associated Method Blank      D Dilution was required      E Value above quantitation range  
H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits      ND Not detected at the Reporting Limit  
R RPD outside accepted recovery limits      RL Reporting Limit      S Spike recovery outside accepted recovery limits

**Work Order:** 1210136  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys (739)

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>1210192-001ADUP</b>	SampType: <b>DUP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>10/22/2012</b>	RunNo: <b>6265</b>							
Client ID: <b>BATCH</b>	Batch ID: <b>3491</b>		Analysis Date: <b>10/23/2012</b>	SeqNo: <b>124368</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

4-Chlorotoluene	ND	0.0207						0	0	30	
1,2,3-Trichloropropane	ND	0.0207						0	0	30	
1,2,4-Trichlorobenzene	ND	0.0518						0	0	30	
1,3-Dichlorobenzene	ND	0.0207						0	0	30	
1,4-Dichlorobenzene	ND	0.0207						0	0	30	
1,2-Dichlorobenzene	ND	0.0207						0	0	30	
1,2-Dibromo-3-chloropropane	ND	0.0311						0	0	30	
Hexachloro-1,3-butadiene	ND	0.104						0	0	30	
1,2,3-Trichlorobenzene	ND	0.0207						0	0	30	
Surr: 1-Bromo-4-fluorobenzene	0.519		0.5180		100	63.1	141		0		
Surr: Dibromofluoromethane	0.522		0.5180		101	67.6	119		0		
Surr: Toluene-d8	0.525		0.5180		101	78.5	126		0		

Sample ID: <b>1210192-002AMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>10/22/2012</b>	RunNo: <b>6265</b>							
Client ID: <b>BATCH</b>	Batch ID: <b>3491</b>		Analysis Date: <b>10/23/2012</b>	SeqNo: <b>124370</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	0.381	0.0659	0.5496	0	69.3	43.5	121				
Chloromethane	0.603	0.0659	0.5496	0.03352	104	45	130				
Vinyl chloride	0.595	0.00220	0.5496	0	108	51.2	146				
Trichlorofluoromethane (CFC-11)	0.478	0.0550	0.5496	0	86.9	52.2	132				
Chloroethane	0.547	0.0659	0.5496	0	99.6	43.8	117				
1,1-Dichloroethene	0.676	0.0550	0.5496	0	123	61.9	141				
Methylene chloride	0.668	0.0220	0.5496	0.02913	116	54.7	142				
trans-1,2-Dichloroethene	0.683	0.0220	0.5496	0	124	52	136				
1,1-Dichloroethane	0.727	0.0220	0.5496	0	132	51.8	141				
2,2-Dichloropropane	0.586	0.0550	0.5496	0	107	36	123				
cis-1,2-Dichloroethene	0.716	0.0220	0.5496	0	130	58.6	136				

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1210136  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys (739)

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>1210192-002AMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>10/22/2012</b>	RunNo: <b>6265</b>							
Client ID: <b>BATCH</b>	Batch ID: <b>3491</b>		Analysis Date: <b>10/23/2012</b>	SeqNo: <b>124370</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	0.712	0.0220	0.5496	0.02858	124	53.2	129				
1,1,1-Trichloroethane (TCA)	0.689	0.0220	0.5496	0	125	58.3	145				
1,1-Dichloropropene	0.726	0.0220	0.5496	0	132	55.1	138				
Carbon tetrachloride	0.589	0.0220	0.5496	0	107	53.3	144				
1,2-Dichloroethane (EDC)	0.716	0.0330	0.5496	0	130	51.3	139				
Trichloroethene (TCE)	0.673	0.0330	0.5496	0	123	68.6	132				
1,2-Dichloropropane	0.690	0.0220	0.5496	0	126	59	136				
Bromodichloromethane	0.642	0.0220	0.5496	0	117	50.7	141				
cis-1,3-Dichloropropene	0.673	0.0220	0.5496	0	122	52.3	129				
trans-1,3-Dichloropropene	0.658	0.0330	0.5496	0	120	52.2	138				
1,1,2-Trichloroethane	0.656	0.0330	0.5496	0	119	51.6	137				
1,3-Dichloropropane	0.652	0.0550	0.5496	0	119	53.1	134				
Tetrachloroethene (PCE)	0.545	0.0220	0.5496	0	99.1	44.1	141				
Dibromochloromethane	0.666	0.0330	0.5496	0	121	55.3	140				
Chlorobenzene	0.656	0.0220	0.5496	0	119	60	133				
1,1,1,2-Tetrachloroethane	0.657	0.0330	0.5496	0	120	53.1	142				
1,1,2,2-Tetrachloroethane	0.629	0.0220	0.5496	0	115	51.9	131				
2-Chlorotoluene	0.631	0.0220	0.5496	0	115	51.6	136				
4-Chlorotoluene	0.638	0.0220	0.5496	0	116	50.1	139				
1,2,3-Trichloropropane	0.592	0.0220	0.5496	0	108	50.5	131				
1,2,4-Trichlorobenzene	0.541	0.0550	0.5496	0	98.4	50.8	130				
1,3-Dichlorobenzene	0.657	0.0220	0.5496	0	120	52.6	131				
1,4-Dichlorobenzene	0.625	0.0220	0.5496	0	114	52.9	129				
1,2-Dichlorobenzene	0.619	0.0220	0.5496	0	113	55.8	129				
1,2-Dibromo-3-chloropropane	0.579	0.0330	0.5496	0	105	53	129				
Hexachloro-1,3-butadiene	0.691	0.110	0.5496	0	126	51.5	130				
1,2,3-Trichlorobenzene	0.552	0.0220	0.5496	0	100	54.4	124				
Surr: 1-Bromo-4-fluorobenzene	0.561		0.5496		102	63.1	141				
Surr: Dibromofluoromethane	0.555		0.5496		101	67.6	119				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

**Work Order:** 1210136  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys (739)

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>1210192-002AMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>10/22/2012</b>	RunNo: <b>6265</b>							
Client ID: <b>BATCH</b>	Batch ID: <b>3491</b>		Analysis Date: <b>10/23/2012</b>	SeqNo: <b>124370</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	0.564		0.5496		103	78.5	126				

Sample ID: <b>LCS-3491</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>	Prep Date: <b>10/22/2012</b>	RunNo: <b>6265</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>3491</b>		Analysis Date: <b>10/23/2012</b>	SeqNo: <b>124370</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.811	0.0600	1.000	0	81.1	37.7	136				
Chloromethane	0.987	0.0600	1.000	0	98.7	38.8	132				
Vinyl chloride	1.01	0.00200	1.000	0	101	56.1	130				
Trichlorofluoromethane (CFC-11)	0.961	0.0500	1.000	0	96.1	61.8	130				
Chloroethane	1.08	0.0600	1.000	0	108	52.2	131				
1,1-Dichloroethene	1.10	0.0500	1.000	0	110	64.6	134				
Methylene chloride	1.14	0.0200	1.000	0	114	60.6	140				
trans-1,2-Dichloroethene	1.03	0.0200	1.000	0	103	68.7	127				
1,1-Dichloroethane	1.11	0.0200	1.000	0	111	65.5	132				
2,2-Dichloropropane	0.953	0.0500	1.000	0	95.3	28.1	149				
cis-1,2-Dichloroethene	1.11	0.0200	1.000	0	111	71.6	123				
Chloroform	1.05	0.0200	1.000	0	105	67.5	129				
1,1,1-Trichloroethane (TCA)	1.05	0.0200	1.000	0	105	74.4	130				
1,1-Dichloropropene	1.12	0.0200	1.000	0	112	72.7	131				
Carbon tetrachloride	1.01	0.0200	1.000	0	101	73	136				
1,2-Dichloroethane (EDC)	1.09	0.0300	1.000	0	109	68.7	133				
Trichloroethene (TCE)	1.03	0.0300	1.000	0	103	71.5	134				
1,2-Dichloropropane	1.04	0.0200	1.000	0	104	72.7	133				
Bromodichloromethane	1.02	0.0200	1.000	0	102	76.1	136				
cis-1,3-Dichloropropene	1.07	0.0200	1.000	0	107	59.1	143				
trans-1,3-Dichloropropene	1.05	0.0300	1.000	0	105	49.2	149				
1,1,2-Trichloroethane	1.05	0.0300	1.000	0	105	74.5	129				

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1210136  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys (739)

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-3491</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>	Prep Date: <b>10/22/2012</b>	RunNo: <b>6265</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>3491</b>		Analysis Date: <b>10/23/2012</b>	SeqNo: <b>124379</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,3-Dichloropropane	1.05	0.0500	1.000	0	105	70	130				
Tetrachloroethene (PCE)	1.04	0.0200	1.000	0	104	64.4	150				
Dibromochloromethane	1.04	0.0300	1.000	0	104	70.6	144				
Chlorobenzene	1.01	0.0200	1.000	0	101	76.1	123				
1,1,1,2-Tetrachloroethane	1.04	0.0300	1.000	0	104	74.8	131				
1,1,2,2-Tetrachloroethane	0.980	0.0200	1.000	0	98.0	61.9	139				
2-Chlorotoluene	1.04	0.0200	1.000	0	104	76.7	129				
4-Chlorotoluene	1.04	0.0200	1.000	0	104	77.5	125				
1,2,3-Trichloropropane	0.960	0.0200	1.000	0	96.0	67.9	136				
1,2,4-Trichlorobenzene	0.961	0.0500	1.000	0	96.1	65.6	137				
1,3-Dichlorobenzene	1.07	0.0200	1.000	0	107	72.8	128				
1,4-Dichlorobenzene	0.984	0.0200	1.000	0	98.4	72.6	126				
1,2-Dichlorobenzene	1.04	0.0200	1.000	0	104	72.8	126				
1,2-Dibromo-3-chloropropane	1.16	0.0300	1.000	0	116	64.3	135				
Hexachloro-1,3-butadiene	1.06	0.100	1.000	0	106	42	151				
1,2,3-Trichlorobenzene	0.989	0.0200	1.000	0	98.9	62.1	140				
Surr: 1-Bromo-4-fluorobenzene	0.503		0.5000		101	63.1	141				
Surr: Dibromofluoromethane	0.499		0.5000		99.8	67.6	119				
Surr: Toluene-d8	0.501		0.5000		100	78.5	126				

Sample ID: <b>MB-3491</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>10/22/2012</b>	RunNo: <b>6265</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>3491</b>		Analysis Date: <b>10/23/2012</b>	SeqNo: <b>124380</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0600									
Chloromethane	ND	0.0600									
Vinyl chloride	ND	0.00200									
Trichlorofluoromethane (CFC-11)	ND	0.0500									

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Date: 10/25/2012

**Work Order:** 1210136  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys (739)

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-3491</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>10/22/2012</b>	RunNo: <b>6265</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>3491</b>		Analysis Date: <b>10/23/2012</b>	SeqNo: <b>124380</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloroethane	ND	0.0600									
1,1-Dichloroethene	ND	0.0500									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.0500									
cis-1,2-Dichloroethene	ND	0.0200									
Chloroform	ND	0.0200									
1,1,1-Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane (EDC)	ND	0.0300									
Trichloroethene (TCE)	ND	0.0300									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									
cis-1,3-Dichloropropene	ND	0.0200									
trans-1,3-Dichloropropene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									
Dibromochloromethane	ND	0.0300									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
1,1,2,2-Tetrachloroethane	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
1,3-Dichlorobenzene	ND	0.0200									

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



**Work Order:** 1210136  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys (739)

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-3491</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>10/22/2012</b>	RunNo: <b>6265</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>3491</b>		Analysis Date: <b>10/23/2012</b>	SeqNo: <b>124380</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	ND	0.0200									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.0300									
Hexachloro-1,3-butadiene	ND	0.100									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: 1-Bromo-4-fluorobenzene	0.505		0.5000		101	63.1	141				
Surr: Dibromofluoromethane	0.509		0.5000		102	67.6	119				
Surr: Toluene-d8	0.504		0.5000		101	78.5	126				

**Qualifiers:**
B Analyte detected in the associated Method Blank
D Dilution was required
E Value above quantitation range  
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not detected at the Reporting Limit  
R RPD outside accepted recovery limits
RL Reporting Limit
S Spike recovery outside accepted recovery limits

Client Name: **GL**

 Work Order Number: **1210136**

 Logged by: **Clare Griggs**

 Date Received: **10/16/2012 4:45:00 PM**
**Chain of Custody**

1. Were custodial seals present? Yes  No  Not Required
2. Is Chain of Custody complete? Yes  No  Not Present
3. How was the sample delivered? Client

**Log In**

4. Coolers are present? Yes  No  NA
5. Was an attempt made to cool the samples? Yes  No  NA
6. Were all coolers received at a temperature of >0° C to 10.0°C Yes  No  NA
7. Sample(s) in proper container(s)? Yes  No
8. Sufficient sample volume for indicated test(s)? Yes  No
9. Are samples properly preserved? Yes  No
10. Was preservative added to bottles? Yes  No  NA
11. Is there headspace present in VOA vials? Yes  No  NA
12. Did all sample containers arrive in good condition?(unbroken) Yes  No
13. Does paperwork match bottle labels? Yes  No
14. Are matrices correctly identified on Chain of Custody? Yes  No
15. Is it clear what analyses were requested? Yes  No
16. Were all holding times able to be met? Yes  No

**Special Handling (if applicable)**

17. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks/Discrepancies

**Item Information**

Item #	Temp °C	Condition
Cooler	4.9	Good



**Fremont Analytical**  
 1311 N. 35th Street  
 Seattle, WA 98103

Tel: 206-352-3790  
 Fax: 206-352-7178

Client: *Cor Logistics*  
 Address: *Issaquah*  
 City, State, Zip: \_\_\_\_\_ Tel: \_\_\_\_\_

**Chain of Custody Record**

Laboratory Project No (Internal): **1210136**

Page: *1* of: \_\_\_\_\_  
 Project Name: *Former Timber Toys (739)*  
 Location: *Bellingham*  
 Collected by: *Don Hill*

Project No: *01-0739-13*

Reports To (PMM): \_\_\_\_\_ Email: \_\_\_\_\_ Fax: \_\_\_\_\_

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	GC/MS by EPA 8210	BTEX by EPA 8210	Gasoline Range Organics	Aromatic/Heavy Or Range Organics (HCB)	SEM VCL (EPA 8270)	PAH (EPA 8270 - SM)	PCB (EPA 808)	Dieldrin (EPA 808)	D DDTs (EPA 808)	Metal (EPA 808)	Total (EPA 8151)	Total (Dissolved)	Arson (GC)	Comments/Depth
AS-1e5	10/16	1005	Soil														
AS-1e10		1020															
AS-1e15		1030															
AS-1e20		1040															
AS-1e25		1050															
AS-1e30		1105															
AS-1e35		1110															
VE-2e5		1340															
VE-2e10		1350															

\*Metals Analysis (Circle): MTCA-5    RCRA-8    Priority Pollutants    TAL    Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Si Sn Ti U V Zn

\*\*Anions (Circle): Nitrate    Nitrite    Chloride    Sulfate    Bromide    Fluoride    O-Phosphate    Nitrate-Nitrite

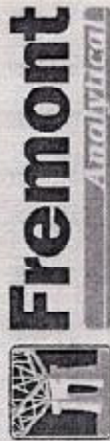
Sample Disposal:  Return to Client     Disposal by Lab (A fee may be assessed if sample was retained after 30 days.)

Relinquished: *Southern* Date/Time: *10/16/12 16:45*

Received: *Shayegha* Date/Time: *10/10/12 16:45*

Special Remarks: \_\_\_\_\_

TAT -> Next Day    2 Day    3 Day    STD



131 N. 35th Street  
Seattle, WA 98103  
Tel: 206-352-3790  
Fax: 206-352-7178

# Chain of Custody Record

Laboratory Project No (Internal): **1210136a**

Date: **10/16/12**

Page: **1** of: **1**

Project Name: **Footballer Thruker Toys (739)**

Location: **Ballfield**

Collected by: **Jim Hester**

Client: **Co-Logics**

Address: **Kingwood**

City, State, Zip:

Reports To (PIN):

Fax:

Project No: **0110739-13**

Sample Name	Sample Date	Sample Time	Sample Type (When?)	Comments/Depth
1 AS-105	10/16	1005	Soil	1-1/2" 2-0014
2 AS-1010		1020		
3 AS-1015		1030		
4 AS-1020		1040		
5 AS-1025		1050		
6 AS-1030		1105		
7 AS-1035		1110		
8 VE-205		1340		
9 VE-2010		1350		
10				

**\*\*Metals Analysis (Circle):** METALS REBAS Priority Polytanks TAB Individual: Ag Al As B Ba Be Bi Br C Co Cr Cu F Fe G K Mg Mn Ni No Pb Fe Pb Se Sn Ti U V Zn

**\*\*Anions (Circle):** Nitrate Nitrite O Phosphate Fluoride Nitrate-Nitrite

Sample Disposal:  Return to Client  Disposed by Lab (A box may be marked if samples are incinerated per 38 CFR.)

Shipping: **Sam Per** Date/Time: **10/16/12 10:45**

Receiving: **Jim Hester** Date/Time: **10/16/12 10:45**

TAT → Not Day 2 Day 3 Day STD

www.fremontanalytical.com

Distribution: White - Lab, Yellow - File, Pink - Originator



1311 N. 35th St.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**G-Logics**

Dan Hatch  
40 Second Ave. SE  
Issaquah, Washington 98027

**RE: Former Thinker Toys**

**Lab ID: 1212044**

December 14, 2012

**Attention Dan Hatch:**

Fremont Analytical, Inc. received 1 sample(s) on 12/7/2012 for the analyses presented in the following report.

***Volatile Organic Compounds by EPA Method TO-15***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Dee", is written over a light blue horizontal line.

Michael Dee  
Sr. Chemist / Principal



Date: 12/14/2012

---

**CLIENT:** G-Logics  
**Project:** Former Thinker Toys  
**Lab Order:** 1212044

---

## Work Order Sample Summary

---

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1212044-001	Ex Stack	12/07/2012 10:45 AM	12/07/2012 12:10 PM

---

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

---

**I. SAMPLE RECEIPT:**

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry"). Air samples are reported in ppbv and ug/m3.

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



Client: G-Logics  
 WorkOrder: 1212044  
 Project: Former Thinker Toys

Client Sample ID: Ex Stack  
 Lab ID: 1212044-001A  
 Sample Type: Tedlar Bag

Date Sampled: 12/7/2012  
 Date Received: 12/7/2012

Analyte	Concentration		Reporting Limit (ppbv)	Qual	Test Method	Date Analyzed /Analyst
	(ppbv)	(ug/m <sup>3</sup> )				

**Volatile Organic Compounds by EPA Method TO-15**

1,1,1-Trichloroethane	43.0	235	0.200		TO-15	12/07/2012 MD
1,1,1,2-Tetrachloroethane	<0.300	<2.06	0.300		TO-15	12/07/2012 MD
CFC-113	<0.500	<3.83	0.500		TO-15	12/07/2012 MD
1,1,2-Trichloroethane (TCA)	<0.500	<2.73	0.500		TO-15	12/07/2012 MD
1,1-Dichloroethane	0.700	2.83	0.200		TO-15	12/07/2012 MD
1,1-Dichloroethene (DCE)	2.16	8.56	0.200		TO-15	12/07/2012 MD
1,2,4-Trichlorobenzene	<0.300	<2.23	0.300		TO-15	12/07/2012 MD
1,2,4-Trimethylbenzene	1.71	8.41	0.300		TO-15	12/07/2012 MD
1,2-Dibromoethane (EDB)	<0.200	<1.54	0.200		TO-15	12/07/2012 MD
1,2-Dichlorobenzene	<0.300	<1.80	0.300		TO-15	12/07/2012 MD
1,2-Dichloroethane	0.210	0.850	0.200		TO-15	12/07/2012 MD
1,2-Dichloropropane	<0.500	<2.31	0.500		TO-15	12/07/2012 MD
1,3,5-Trimethylbenzene	<0.300	<1.47	0.300		TO-15	12/07/2012 MD
1,3-Butadiene	<0.500	<1.11	0.500		TO-15	12/07/2012 MD
1,3-Dichlorobenzene	<0.300	<1.80	0.300		TO-15	12/07/2012 MD
1,4-Dichlorobenzene	<0.300	<1.80	0.300		TO-15	12/07/2012 MD
1,4-Dioxane	<1.00	<3.60	1.00		TO-15	12/07/2012 MD
(MEK) 2-Butanone	268	790	0.500		TO-15	12/07/2012 MD
2-Hexanone	<1.00	<4.10	1.00		TO-15	12/07/2012 MD
Isopropyl Alcohol	1.12	2.75	1.00		TO-15	12/07/2012 MD
4-Methyl-2-pentanone (MIBK)	<1.00	<4.10	1.00		TO-15	12/07/2012 MD
Acetone	445	1,060	1.00		TO-15	12/07/2012 MD
Acrolein	<0.500	<1.15	0.500		TO-15	12/07/2012 MD
Benzene	1.70	5.43	0.200		TO-15	12/07/2012 MD
Benzyl chloride	<0.500	<2.59	0.500		TO-15	12/07/2012 MD
Dichlorobromomethane	1.10	7.37	0.300		TO-15	12/07/2012 MD
Bromoform	<0.200	<2.07	0.200		TO-15	12/07/2012 MD
Bromomethane	<0.500	<1.94	0.500		TO-15	12/07/2012 MD
Carbon disulfide	0.450	1.40	0.200		TO-15	12/07/2012 MD
Carbon tetrachloride	<0.200	<1.26	0.200		TO-15	12/07/2012 MD
Chlorobenzene	1.22	5.62	0.200		TO-15	12/07/2012 MD
Dibromochloromethane	<0.500	<4.26	0.500		TO-15	12/07/2012 MD
Chloroethane	<0.500	<1.32	0.500		TO-15	12/07/2012 MD
Chloroform	1.02	4.98	0.200		TO-15	12/07/2012 MD
Chloromethane	<0.500	<1.03	0.500		TO-15	12/07/2012 MD
cis-1,2-Dichloroethene	333	1,320	0.200		TO-15	12/07/2012 MD

**Qualifiers:** B Analyte detected in the associated Method Blank D Dilution was required  
 E Value above quantitation range H Holding times for preparation or analysis exceeded  
 J Analyte detected below quantitation limits ND Not detected at the Reporting Limit





Client: G-Logics  
 WorkOrder: 1212044  
 Project: Former Thinker Toys

Client Sample ID: Ex Stack  
 Lab ID: 1212044-001A  
 Sample Type: Tedlar Bag

Date Sampled: 12/7/2012  
 Date Received: 12/7/2012

Analyte	Concentration		Reporting Limit (ppbv)	Qual	Test Method	Date Analyzed /Analyst	
	(ppbv)	(ug/m <sup>3</sup> )					
cis-1,3-dichloropropene	<0.500	<2.27	0.500		TO-15	12/07/2012	MD
Cyclohexane	<0.200	<0.688	0.200		TO-15	12/07/2012	MD
Dichlorodifluoromethane (CFC-12)	<0.300	<1.48	0.300		TO-15	12/07/2012	MD
Dichlorotetrafluoroethane (CFC-114)	<0.500	<3.50	0.500		TO-15	12/07/2012	MD
Ethyl acetate	<1.00	<3.60	1.00		TO-15	12/07/2012	MD
Ethylbenzene	1.56	6.78	0.300		TO-15	12/07/2012	MD
Heptane	<0.500	<2.01	0.500		TO-15	12/07/2012	MD
Hexachlorobutadiene	<1.00	<10.7	1.00		TO-15	12/07/2012	MD
m,p-Xylene	3.46	15.0	0.200	*	TO-15	12/07/2012	MD
Methyl methacrylate	<0.300	<1.23	0.300		TO-15	12/07/2012	MD
Methylene chloride	<0.500	<1.74	0.500		TO-15	12/07/2012	MD
Naphthalene	0.710	3.72	0.300	B	TO-15	12/07/2012	MD
Hexane	0.790	2.78	0.200		TO-15	12/07/2012	MD
o-Xylene	1.56	6.77	0.200		TO-15	12/07/2012	MD
4-Ethyltoluene	<0.300	<1.47	0.300		TO-15	12/07/2012	MD
Propylene	2.81	4.84	0.500		TO-15	12/07/2012	MD
Styrene	<0.300	<1.28	0.300		TO-15	12/07/2012	MD
Methyl tert-butyl ether (MTBE)	<0.200	<0.721	0.200		TO-15	12/07/2012	MD
Tetrachloroethene (PCE)	3,160	21,400	0.300		TO-15	12/07/2012	MD
Tetrahydrofuran	643	1,900	0.500		TO-15	12/07/2012	MD
Toluene	5.75	21.7	0.200		TO-15	12/07/2012	MD
trans-1,2-Dichloroethene	12.1	47.9	0.200		TO-15	12/07/2012	MD
trans-1,3-dichloropropene	<0.500	<2.27	0.500		TO-15	12/07/2012	MD
Trichloroethene (TCE)	240	1,290	0.200		TO-15	12/07/2012	MD
Trichlorofluoromethane (CFC-11)	<0.300	<1.69	0.300		TO-15	12/07/2012	MD
Vinyl acetate	<1.00	<3.52	1.00	*	TO-15	12/07/2012	MD
Vinyl chloride	0.360	0.920	0.200		TO-15	12/07/2012	MD
Surr: 4-Bromofluorobenzene	93.0 %Rec	--	70-130		TO-15	12/07/2012	MD

**NOTES:**

\* - Flagged value is not within established control limits.

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit

Work Order: 1212044

CLIENT: G-Logics

Project: Former Thinker Toys

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method TO-15

Sample ID: <b>LCS-R691</b>	SampType: <b>LCS</b>	Units: <b>ppbv</b>	Prep Date: <b>12/7/2012</b>	RunNo: <b>6910</b>
Client ID: <b>LCSW</b>	Batch ID: <b>R6910</b>		Analysis Date: <b>12/7/2012</b>	SeqNo: <b>137312</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Propylene	4.34	0.500	5.000	0	86.8	70	130				
Dichlorodifluoromethane (CFC-12)	4.12	0.300	5.000	0	82.4	70	130				
Chloromethane	4.19	0.500	5.000	0	83.7	70	130				
Dichlorotetrafluoroethane (CFC-114)	4.32	0.500	5.000	0	86.3	70	130				
Vinyl chloride	4.43	0.200	5.000	0	88.6	70	130				
1,3-Butadiene	4.62	0.500	5.000	0	92.3	70	130				
Bromomethane	4.57	0.500	5.000	0	91.4	70	130				
Trichlorofluoromethane (CFC-11)	4.50	0.300	5.000	0	89.9	70	130				
Chloroethane	4.18	0.500	5.000	0	83.5	70	130				
Acrolein	4.43	0.500	5.000	0	88.6	70	130				
1,1-Dichloroethene (DCE)	4.08	0.200	5.000	0	81.6	70	130				
Acetone	3.72	1.00	5.000	0	74.5	70	130				
Isopropyl Alcohol	4.58	1.00	5.000	0	91.6	70	130				
Methylene chloride	15.0	0.500	5.000	0	300	70	130				SE
Carbon disulfide	4.28	0.200	5.000	0	85.7	70	130				
trans-1,2-Dichloroethene	4.10	0.200	5.000	0	81.9	70	130				
Methyl tert-butyl ether (MTBE)	4.57	0.200	5.000	0	91.3	70	130				
Hexane	4.80	0.200	5.000	0	96.0	70	130				
1,1-Dichloroethane	4.67	0.200	5.000	0	93.4	70	130				
Vinyl acetate	3.20	1.00	5.000	0	64.1	70	130				S
cis-1,2-Dichloroethene	4.32	0.200	5.000	0	86.3	70	130				
(MEK) 2-Butanone	4.60	0.500	5.000	0	91.9	70	130				
Ethyl acetate	4.53	1.00	5.000	0	90.6	70	130				
Chloroform	4.31	0.200	5.000	0	86.2	70	130				
Tetrahydrofuran	4.37	0.500	5.000	0	87.4	70	130				
1,1,1-Trichloroethane	4.45	0.200	5.000	0	89.0	70	130				
Carbon tetrachloride	3.88	0.200	5.000	0	77.6	70	130				
1,2-Dichloroethane	4.00	0.200	5.000	0	80.0	70	130				
Benzene	4.40	0.200	5.000	0	88.1	70	130				

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Work Order: 1212044

CLIENT: G-Logics

Project: Former Thinker Toys

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method TO-15

Sample ID: <b>LCS-R691</b>	SampType: <b>LCS</b>	Units: <b>ppbv</b>	Prep Date: <b>12/7/2012</b>	RunNo: <b>6910</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R6910</b>		Analysis Date: <b>12/7/2012</b>	SeqNo: <b>137312</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyclohexane	5.14	0.200	5.000	0	103	70	130				
Trichloroethene (TCE)	4.46	0.200	5.000	0	89.2	70	130				
1,2-Dichloropropane	4.27	0.500	5.000	0	85.3	70	130				
Methyl methacrylate	4.02	0.300	5.000	0	80.3	70	130				
Dichlorobromomethane	4.23	0.300	5.000	0	84.5	70	130				
1,4-Dioxane	4.32	1.00	5.000	0	86.5	70	130				
cis-1,3-dichloropropene	4.29	0.500	5.000	0	85.8	70	130				
Toluene	4.06	0.200	5.000	0	81.2	70	130				
trans-1,3-dichloropropene	4.30	0.500	5.000	0	86.0	70	130				
1,1,2-Trichloroethane (TCA)	4.24	0.500	5.000	0	84.8	70	130				
Tetrachloroethene (PCE)	4.07	0.300	5.000	0	81.4	70	130				
Dibromochloromethane	4.06	0.500	5.000	0	81.1	70	130				
1,2-Dibromoethane (EDB)	3.94	0.200	5.000	0	78.8	70	130				
Chlorobenzene	4.62	0.200	5.000	0	92.4	70	130				
Ethylbenzene	5.14	0.300	5.000	0	103	70	130				
m,p-Xylene	3.16	0.200	5.000	0	63.3	70	130				S
o-Xylene	4.96	0.200	5.000	0	99.2	70	130				
Styrene	4.88	0.300	5.000	0	97.6	70	130				
Bromoform	4.94	0.200	5.000	0	98.7	70	130				
1,1,2,2-Tetrachloroethane	5.08	0.300	5.000	0	102	70	130				
1,3,5-Trimethylbenzene	4.65	0.300	5.000	0	93.0	70	130				
1,2,4-Trimethylbenzene	4.25	0.300	5.000	0	85.0	70	130				
Benzyl chloride	5.66	0.500	5.000	0	113	70	130				
4-Ethyltoluene	4.24	0.300	5.000	0	84.7	70	130				
1,3-Dichlorobenzene	4.73	0.300	5.000	0	94.5	70	130				
1,4-Dichlorobenzene	4.71	0.300	5.000	0	94.2	70	130				
1,2-Dichlorobenzene	4.81	0.300	5.000	0	96.2	70	130				
1,2,4-Trichlorobenzene	4.35	0.300	5.000	0	87.0	70	130				B
Hexachlorobutadiene	5.70	1.00	5.000	0	114	70	130				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1212044

CLIENT: G-Logics

Project: Former Thinker Toys

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method TO-15

Sample ID: <b>LCS-R691</b>	SampType: <b>LCS</b>	Units: <b>ppbv</b>	Prep Date: <b>12/7/2012</b>	RunNo: <b>6910</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R6910</b>		Analysis Date: <b>12/7/2012</b>	SeqNo: <b>137312</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	5.05	0.300	5.000	0	101	70	130				B
2-Hexanone	4.46	1.00	5.000	0	89.3	70	130				
4-Methyl-2-pentanone (MIBK)	6.51	1.00	5.000	0	130	70	130				S
CFC-113	4.92	0.500	5.000	0	98.5	70	130				
Heptane	6.72	0.500	5.000	0	134	70	130				S
Surr: 4-Bromofluorobenzene	4.56		5.000		91.1	70	130				

**NOTES:**

S - Outlying spike recoveries were associated with this sample. Corresponding samples are marked with an \*. 4-Methyl-2-pentanone, Heptane and Methylene Chloride are biased high and the samples are non-detect

Sample ID: <b>MB-R691</b>	SampType: <b>MBLK</b>	Units: <b>ppbv</b>	Prep Date: <b>12/7/2012</b>	RunNo: <b>6910</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R6910</b>		Analysis Date: <b>12/7/2012</b>	SeqNo: <b>137313</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Propylene	ND	0.500									
Dichlorodifluoromethane (CFC-12)	ND	0.300									
Chloromethane	ND	0.500									
Dichlorotetrafluoroethane (CFC-114)	ND	0.500									
Vinyl chloride	ND	0.200									
1,3-Butadiene	ND	0.500									
Bromomethane	ND	0.500									
Trichlorofluoromethane (CFC-11)	ND	0.300									
Chloroethane	ND	0.500									
Acrolein	ND	0.500									
1,1-Dichloroethene (DCE)	ND	0.200									
Acetone	ND	1.00									
Isopropyl Alcohol	ND	1.00									
Methylene chloride	ND	0.500									
Carbon disulfide	ND	0.200									

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1212044  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method TO-15**

Sample ID: <b>MB-R691</b>	SampType: <b>MBLK</b>	Units: <b>ppbv</b>	Prep Date: <b>12/7/2012</b>	RunNo: <b>6910</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R6910</b>		Analysis Date: <b>12/7/2012</b>	SeqNo: <b>137313</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

trans-1,2-Dichloroethene	ND	0.200									
Methyl tert-butyl ether (MTBE)	ND	0.200									
Hexane	ND	0.200									
1,1-Dichloroethane	ND	0.200									
Vinyl acetate	ND	1.00									*
cis-1,2-Dichloroethene	ND	0.200									
(MEK) 2-Butanone	ND	0.500									
Ethyl acetate	ND	1.00									
Chloroform	ND	0.200									
Tetrahydrofuran	ND	0.500									
1,1,1-Trichloroethane	ND	0.200									
Carbon tetrachloride	ND	0.200									
1,2-Dichloroethane	ND	0.200									
Benzene	ND	0.200									
Cyclohexane	ND	0.200									
Trichloroethene (TCE)	ND	0.200									
1,2-Dichloropropane	ND	0.500									
Methyl methacrylate	ND	0.300									
Dichlorobromomethane	ND	0.300									
1,4-Dioxane	ND	1.00									
cis-1,3-dichloropropene	ND	0.500									
Toluene	ND	0.200									
trans-1,3-dichloropropene	ND	0.500									
1,1,2-Trichloroethane (TCA)	ND	0.500									
Tetrachloroethene (PCE)	ND	0.300									
Dibromochloromethane	ND	0.500									
1,2-Dibromoethane (EDB)	ND	0.200									
Chlorobenzene	ND	0.200									
Ethylbenzene	ND	0.300									

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



**Work Order:** 1212044  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method TO-15**

Sample ID: <b>MB-R691</b>	SampType: <b>MBLK</b>	Units: <b>ppbv</b>	Prep Date: <b>12/7/2012</b>	RunNo: <b>6910</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R6910</b>		Analysis Date: <b>12/7/2012</b>	SeqNo: <b>137313</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	ND	0.200									*
o-Xylene	ND	0.200									
Styrene	ND	0.300									
Bromoform	ND	0.200									
1,1,2,2-Tetrachloroethane	ND	0.300									
1,3,5-Trimethylbenzene	ND	0.300									
1,2,4-Trimethylbenzene	ND	0.300									
Benzyl chloride	ND	0.500									
4-Ethyltoluene	ND	0.300									
1,3-Dichlorobenzene	ND	0.300									
1,4-Dichlorobenzene	ND	0.300									
1,2-Dichlorobenzene	ND	0.300									
1,2,4-Trichlorobenzene	0.780	0.300									
Hexachlorobutadiene	ND	1.00									
Naphthalene	0.570	0.300									
2-Hexanone	ND	1.00									
4-Methyl-2-pentanone (MIBK)	ND	1.00									
CFC-113	ND	0.500									
Heptane	ND	0.500									
Surr: 4-Bromofluorobenzene	4.33		5.000		86.6	70	130				

**NOTES:**

\* - Flagged value is not within established control limits.

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Client Name: **GL**

 Work Order Number: **1212044**

 Logged by: **Clare Griggs**

 Date Received: **12/7/2012 12:10:00 PM**

### Chain of Custody

1. Were custodial seals present? Yes  No  Not Required
2. Is Chain of Custody complete? Yes  No  Not Present
3. How was the sample delivered? Client

### Log In

4. Coolers are present? Yes  No  NA
- Air Sample**
5. Was an attempt made to cool the samples? Yes  No  NA
6. Were all coolers received at a temperature of >0° C to 10.0°C Yes  No  NA
7. Sample(s) in proper container(s)? Yes  No
8. Sufficient sample volume for indicated test(s)? Yes  No
9. Are samples properly preserved? Yes  No
10. Was preservative added to bottles? Yes  No  NA
11. Is there headspace present in VOA vials? Yes  No  NA
12. Did all sample containers arrive in good condition?(unbroken) Yes  No
13. Does paperwork match bottle labels? Yes  No
14. Are matrices correctly identified on Chain of Custody? Yes  No
15. Is it clear what analyses were requested? Yes  No
16. Were all holding times able to be met? Yes  No

### Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks/Discrepancies  
 TO-15 per t/c from Dan Hatch.

### Item Information



**Fremont**  
Analytical

1311 N. 35th Street  
Seattle, WA 98103  
Tel: 206-352-3790  
Fax: 206-352-7178

Client: G-Logics

Address:

City, State, Zip

Tel:

Date:

12/7/12

Project Name:

Former Thinker Toys

Location:

Bellevue

Collected by:

DH 253 389 5334

Laboratory Project No (Internal):

1212044

Page: 1 of: 1

**Chain of Custody Record**

Reports To (PM):

Fac:

Email:

Project No: 01-0739B

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	Comments/Depth
1 Ex Stack	12/7	10:45	Air X	
2				
3				
4				
5				
6				
7				
8				
9				
10				

\*\*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Se Sr Sn Ti U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Fluoride Nitrate-Nitrite

Sample Disposal:  Return to Client  Disposal by Lab (A fee may be assessed if samples are retained for 30 days.)

Relinquished Date/Time  
x Dan Hahn 12/7 12:10  
Relinquished Date/Time

Received Date/Time  
[Signature] 12.7.12 12:10  
Received Date/Time

Special Remarks:

TAT -> Next Day 2 Day 3 Day STD





1311 N. 35th St.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**G-Logics**

Dan Hatch  
40 Second Ave. SE  
Issaquah, Washington 98027

**RE: Former Thinker**

**Lab ID: 1212166**

January 02, 2013

**Attention Dan Hatch:**

Fremont Analytical, Inc. received 1 sample(s) on 12/28/2012 for the analyses presented in the following report.

***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee  
Sr. Chemist / Principal



Date: 01/02/2013

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**CLIENT:** G-Logics  
**Project:** Former Thinker  
**Lab Order:** 1212166

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## Work Order Sample Summary

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Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1212166-001	Ex Stack	12/28/2012 12:00 PM	12/28/2012 1:00 PM

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Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

**CLIENT:** G-Logics  
**Project:** Former Thinker

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**I. SAMPLE RECEIPT:**

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



# Analytical Report

WO#: 1212166

Date Reported: 1/2/2013

**Client:** G-Logics

**Collection Date:** 12/28/2012 12:00:00 PM

**Project:** Former Thinker

**Lab ID:** 1212166-001

**Matrix:** Air

**Client Sample ID:** Ex Stack

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R7062	Analyst: EM
Dichlorodifluoromethane	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
Chloromethane	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
Vinyl chloride	ND	0.0200		µg/L	1	12/31/2012 8:21:00 AM
Bromomethane	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
Trichlorofluoromethane	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
Chloroethane	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
1,1-Dichloroethene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
Methylene chloride	0.106	0.100		µg/L	1	12/31/2012 8:21:00 AM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
1,1-Dichloroethane	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
2,2-Dichloropropane	ND	0.200		µg/L	1	12/31/2012 8:21:00 AM
cis-1,2-Dichloroethene	0.110	0.100		µg/L	1	12/31/2012 8:21:00 AM
Chloroform	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
1,1-Dichloropropene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
Carbon tetrachloride	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
1,2-Dichloroethane	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
Benzene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
Trichloroethene (TCE)	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
1,2-Dichloropropane	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
Dichlorobromomethane	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
Dibromomethane	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
Toluene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
1,3-Dichloropropane	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
Tetrachloroethene (PCE)	28.0	1.00	D	µg/L	10	12/31/2012 12:38:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	12/31/2012 8:21:00 AM
Chlorobenzene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
Ethylbenzene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
m,p-Xylene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 12/28/2012 12:00:00 PM

**Project:** Former Thinker

**Lab ID:** 1212166-001

**Matrix:** Air

**Client Sample ID:** Ex Stack

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7062

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
Styrene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
Isopropylbenzene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
Bromoform	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
n-Propylbenzene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
Bromobenzene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
2-Chlorotoluene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
4-Chlorotoluene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
tert-Butylbenzene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	12/31/2012 8:21:00 AM
sec-Butylbenzene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
4-Isopropyltoluene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
n-Butylbenzene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
Hexachlorobutadiene	ND	0.400		µg/L	1	12/31/2012 8:21:00 AM
Naphthalene	ND	0.100		µg/L	1	12/31/2012 8:21:00 AM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	12/31/2012 8:21:00 AM
Surr: 1-Bromo-4-fluorobenzene	100	74.8-123		%REC	1	12/31/2012 8:21:00 AM
Surr: Dibromofluoromethane	99.9	78.5-114		%REC	1	12/31/2012 8:21:00 AM
Surr: Toluene-d8	98.3	83.5-113		%REC	1	12/31/2012 8:21:00 AM

**NOTES:**

Methylene Chloride is a common laboratory solvent.

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Date: 1/2/2013

**Work Order:** 1212166  
**CLIENT:** G-Logics  
**Project:** Former Thinker

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R7062</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>12/31/2012</b>	RunNo: <b>7062</b>
Client ID: <b>LCSW</b>	Batch ID: <b>R7062</b>		Analysis Date: <b>12/31/2012</b>	SeqNo: <b>139873</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	1.96	0.100	2.000	0	98.2	45.1	121				
Chloromethane	1.95	0.100	2.000	0	97.7	42.5	131				
Vinyl chloride	1.99	0.0200	2.000	0	99.3	56.2	130				
Bromomethane	1.93	0.100	2.000	0	96.7	45.4	138				
Trichlorofluoromethane	1.99	0.100	2.000	0	99.4	64.7	129				
Chloroethane	1.98	0.100	2.000	0	99.0	62.5	123				
1,1-Dichloroethene	2.01	0.100	2.000	0	101	60.7	146				
Methylene chloride	2.00	0.100	2.000	0	100	60.3	135				
trans-1,2-Dichloroethene	1.99	0.100	2.000	0	99.6	71.3	129				
Methyl tert-butyl ether (MTBE)	1.95	0.100	2.000	0	97.4	75.4	123				
1,1-Dichloroethane	2.02	0.100	2.000	0	101	71.3	129				
2,2-Dichloropropane	1.94	0.200	2.000	0	96.8	37.8	132				
cis-1,2-Dichloroethene	1.95	0.100	2.000	0	97.6	67.5	127				
Chloroform	1.99	0.100	2.000	0	99.6	70.3	123				
1,1,1-Trichloroethane (TCA)	2.01	0.100	2.000	0	100	67.9	134				
1,1-Dichloropropene	1.96	0.100	2.000	0	97.9	72.1	133				
Carbon tetrachloride	1.99	0.100	2.000	0	99.6	68	136				
1,2-Dichloroethane	1.98	0.100	2.000	0	98.9	65.8	126				
Benzene	2.02	0.100	2.000	0	101	75.2	124				
Trichloroethene (TCE)	2.03	0.100	2.000	0	101	71.9	130				
1,2-Dichloropropane	2.05	0.100	2.000	0	103	71.9	131				
Dichlorobromomethane	1.88	0.100	2.000	0	93.8	70	130				
Dibromomethane	2.01	0.100	2.000	0	100	74.2	125				
cis-1,3-Dichloropropene	1.90	0.100	2.000	0	95.1	62.8	135				
Toluene	1.97	0.100	2.000	0	98.6	75.2	129				
trans-1,3-Dichloropropene	1.91	0.100	2.000	0	95.7	58.1	138				
1,1,2-Trichloroethane	1.97	0.100	2.000	0	98.6	65.4	128				
1,3-Dichloropropane	1.92	0.100	2.000	0	96.0	71.9	131				
Tetrachloroethene (PCE)	2.06	0.100	2.000	0	103	52.4	140				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

**Work Order:** 1212166  
**CLIENT:** G-Logics  
**Project:** Former Thinker

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R7062</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>12/31/2012</b>	RunNo: <b>7062</b>
Client ID: <b>LCSW</b>	Batch ID: <b>R7062</b>		Analysis Date: <b>12/31/2012</b>	SeqNo: <b>139873</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	1.96	0.100	2.000	0	97.9	68.7	139				
1,2-Dibromoethane (EDB)	1.89	0.00100	2.000	0	94.4	71.2	129				
Chlorobenzene	1.99	0.100	2.000	0	99.6	77.2	122				
1,1,1,2-Tetrachloroethane	1.94	0.100	2.000	0	97.1	76.2	130				
Ethylbenzene	2.01	0.100	2.000	0	100	78	127				
m,p-Xylene	3.97	0.100	4.000	0	99.4	77.5	130				
o-Xylene	1.96	0.100	2.000	0	98.1	77.6	126				
Styrene	1.97	0.100	2.000	0	98.3	66.8	137				
Isopropylbenzene	2.00	0.100	2.000	0	100	75.9	133				
Bromoform	1.83	0.100	2.000	0	91.4	69.9	142				
1,1,2,2-Tetrachloroethane	1.82	0.100	2.000	0	91.1	68	134				
n-Propylbenzene	1.96	0.100	2.000	0	98.0	77.1	133				
Bromobenzene	1.92	0.100	2.000	0	96.2	71.1	131				
1,3,5-Trimethylbenzene	1.97	0.100	2.000	0	98.6	76.2	133				
2-Chlorotoluene	1.89	0.100	2.000	0	94.6	67.1	137				
4-Chlorotoluene	1.93	0.100	2.000	0	96.6	70.7	132				
tert-Butylbenzene	1.98	0.100	2.000	0	98.9	71.3	139				
1,2,3-Trichloropropane	1.89	0.100	2.000	0	94.6	70.8	132				
1,2,4-Trichlorobenzene	2.00	0.200	2.000	0	99.9	61.4	139				
sec-Butylbenzene	1.99	0.100	2.000	0	99.3	77.4	136				
4-Isopropyltoluene	2.01	0.100	2.000	0	101	78.1	131				
1,3-Dichlorobenzene	2.02	0.100	2.000	0	101	73.5	125				
1,4-Dichlorobenzene	1.93	0.100	2.000	0	96.7	71.4	125				
n-Butylbenzene	2.06	0.100	2.000	0	103	69.8	138				
1,2-Dichlorobenzene	2.09	0.100	2.000	0	104	74.2	123				
1,2-Dibromo-3-chloropropane	1.88	0.100	2.000	0	93.8	66.1	138				
1,2,4-Trimethylbenzene	2.00	0.100	2.000	0	100	72.3	133				
Hexachlorobutadiene	1.73	0.400	2.000	0	86.7	60.9	141				
Naphthalene	1.88	0.100	2.000	0	94.2	58.2	140				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

**Work Order:** 1212166  
**CLIENT:** G-Logics  
**Project:** Former Thinker

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R7062</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>12/31/2012</b>	RunNo: <b>7062</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R7062</b>		Analysis Date: <b>12/31/2012</b>	SeqNo: <b>139873</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichlorobenzene	1.91	0.400	2.000	0	95.6	61.3	133				
Surr: 1-Bromo-4-fluorobenzene-BFB	1.02		1.000		102	74.8	123				
Surr: Dibromofluoromethane	0.977		1.000		97.7	78.5	114				
Surr: Toluene-d8	0.996		1.000		99.6	83.5	113				

Sample ID: <b>LCS-D-R7062</b>	SampType: <b>LCS-D</b>	Units: <b>µg/L</b>	Prep Date: <b>12/31/2012</b>	RunNo: <b>7062</b>							
Client ID: <b>LCSW02</b>	Batch ID: <b>R7062</b>		Analysis Date: <b>12/31/2012</b>	SeqNo: <b>139874</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane	1.88	0.100	2.000	0	94.2	45.1	121	1.964	4.21	0	
Chloromethane	1.92	0.100	2.000	0	96.1	42.5	131	1.953	1.60	0	
Vinyl chloride	1.97	0.0200	2.000	0	98.5	56.2	130	1.985	0.759	0	
Bromomethane	1.99	0.100	2.000	0	99.7	45.4	138	1.934	3.05	0	
Trichlorofluoromethane	1.96	0.100	2.000	0	98.1	64.7	129	1.989	1.37	0	
Chloroethane	1.97	0.100	2.000	0	98.4	62.5	123	1.981	0.709	0	
1,1-Dichloroethene	1.99	0.100	2.000	0	99.4	60.7	146	2.012	1.20	0	
Methylene chloride	1.95	0.100	2.000	0	97.7	60.3	135	2.000	2.38	0	
trans-1,2-Dichloroethene	1.97	0.100	2.000	0	98.4	71.3	129	1.993	1.26	0	
Methyl tert-butyl ether (MTBE)	1.99	0.100	2.000	0	99.7	75.4	123	1.947	2.39	0	
1,1-Dichloroethane	2.03	0.100	2.000	0	102	71.3	129	2.023	0.345	0	
2,2-Dichloropropane	1.87	0.200	2.000	0	93.6	37.8	132	1.936	3.31	0	
cis-1,2-Dichloroethene	1.95	0.100	2.000	0	97.3	67.5	127	1.952	0.308	0	
Chloroform	2.00	0.100	2.000	0	99.9	70.3	123	1.993	0.251	0	
1,1,1-Trichloroethane (TCA)	2.00	0.100	2.000	0	100	67.9	134	2.007	0.150	0	
1,1-Dichloropropene	2.04	0.100	2.000	0	102	72.1	133	1.957	4.40	0	
Carbon tetrachloride	1.95	0.100	2.000	0	97.4	68	136	1.993	2.28	0	
1,2-Dichloroethane	1.95	0.100	2.000	0	97.7	65.8	126	1.977	1.17	0	
Benzene	1.98	0.100	2.000	0	98.8	75.2	124	2.018	2.10	0	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



**Work Order:** 1212166  
**CLIENT:** G-Logics  
**Project:** Former Thinker

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-D-R7062</b>	SampType: <b>LCS-D</b>	Units: <b>µg/L</b>	Prep Date: <b>12/31/2012</b>	RunNo: <b>7062</b>
Client ID: <b>LCSW02</b>	Batch ID: <b>R7062</b>		Analysis Date: <b>12/31/2012</b>	SeqNo: <b>139874</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	2.02	0.100	2.000	0	101	71.9	130	2.027	0.495	0	
1,2-Dichloropropane	2.17	0.100	2.000	0	109	71.9	131	2.054	5.54	0	
Dichlorobromomethane	1.90	0.100	2.000	0	94.9	70	130	1.876	1.17	0	
Dibromomethane	2.07	0.100	2.000	0	103	74.2	125	2.007	2.95	0	
cis-1,3-Dichloropropene	1.93	0.100	2.000	0	96.3	62.8	135	1.902	1.25	0	
Toluene	1.99	0.100	2.000	0	99.3	75.2	129	1.973	0.657	0	
trans-1,3-Dichloropropene	1.91	0.100	2.000	0	95.6	58.1	138	1.914	0.0523	0	
1,1,2-Trichloroethane	2.02	0.100	2.000	0	101	65.4	128	1.971	2.31	0	
1,3-Dichloropropane	1.96	0.100	2.000	0	97.8	71.9	131	1.919	1.86	0	
Tetrachloroethene (PCE)	2.06	0.100	2.000	0	103	52.4	140	2.063	0.194	0	
Dibromochloromethane	2.02	0.100	2.000	0	101	68.7	139	1.957	3.22	0	
1,2-Dibromoethane (EDB)	1.95	0.00100	2.000	0	97.6	71.2	129	1.888	3.33	0	
Chlorobenzene	1.99	0.100	2.000	0	99.6	77.2	122	1.993	0	0	
1,1,1,2-Tetrachloroethane	1.96	0.100	2.000	0	98.2	76.2	130	1.942	1.13	0	
Ethylbenzene	2.02	0.100	2.000	0	101	78	127	2.006	0.794	0	
m,p-Xylene	3.98	0.100	4.000	0	99.4	77.5	130	3.974	0.0755	0	
o-Xylene	1.98	0.100	2.000	0	98.9	77.6	126	1.962	0.762	0	
Styrene	1.97	0.100	2.000	0	98.7	66.8	137	1.966	0.406	0	
Isopropylbenzene	2.02	0.100	2.000	0	101	75.9	133	2.001	1.14	0	
Bromoform	1.91	0.100	2.000	0	95.6	69.9	142	1.829	4.49	0	
1,1,2,2-Tetrachloroethane	1.95	0.100	2.000	0	97.4	68	134	1.821	6.74	0	
n-Propylbenzene	2.01	0.100	2.000	0	100	77.1	133	1.959	2.42	0	
Bromobenzene	2.00	0.100	2.000	0	99.8	71.1	131	1.925	3.57	0	
1,3,5-Trimethylbenzene	2.01	0.100	2.000	0	100	76.2	133	1.973	1.81	0	
2-Chlorotoluene	1.86	0.100	2.000	0	92.8	67.1	137	1.892	1.92	0	
4-Chlorotoluene	1.99	0.100	2.000	0	99.6	70.7	132	1.931	3.16	0	
tert-Butylbenzene	1.96	0.100	2.000	0	98.2	71.3	139	1.977	0.609	0	
1,2,3-Trichloropropane	2.00	0.100	2.000	0	99.8	70.8	132	1.893	5.30	0	
1,2,4-Trichlorobenzene	1.88	0.200	2.000	0	94.0	61.4	139	1.998	6.09	0	

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1212166  
 CLIENT: G-Logics  
 Project: Former Thinker

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-D-R7062</b>	SampType: <b>LCS-D</b>	Units: <b>µg/L</b>	Prep Date: <b>12/31/2012</b>	RunNo: <b>7062</b>
Client ID: <b>LCSW02</b>	Batch ID: <b>R7062</b>		Analysis Date: <b>12/31/2012</b>	SeqNo: <b>139874</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	2.03	0.100	2.000	0	101	77.4	136	1.985	2.19	0	
4-Isopropyltoluene	2.02	0.100	2.000	0	101	78.1	131	2.010	0.645	0	
1,3-Dichlorobenzene	1.96	0.100	2.000	0	98.0	73.5	125	2.017	2.82	0	
1,4-Dichlorobenzene	1.94	0.100	2.000	0	97.2	71.4	125	1.933	0.619	0	
n-Butylbenzene	2.00	0.100	2.000	0	100	69.8	138	2.058	2.66	0	
1,2-Dichlorobenzene	1.98	0.100	2.000	0	99.0	74.2	123	2.087	5.26	0	
1,2-Dibromo-3-chloropropane	1.90	0.100	2.000	0	95.2	66.1	138	1.876	1.48	0	
1,2,4-Trimethylbenzene	2.01	0.100	2.000	0	101	72.3	133	2.001	0.648	0	
Hexachlorobutadiene	1.37	0.400	2.000	0	68.4	60.9	141	1.734	23.6	0	
Naphthalene	1.93	0.100	2.000	0	96.6	58.2	140	1.883	2.52	0	
1,2,3-Trichlorobenzene	2.02	0.400	2.000	0	101	61.3	133	1.911	5.35	0	
Surr: 1-Bromo-4-fluorobenzene-BFB	1.03		1.000		103	74.8	123		0	0	
Surr: Dibromofluoromethane	0.997		1.000		99.7	78.5	114		0	0	
Surr: Toluene-d8	0.984		1.000		98.4	83.5	113		0	0	

Sample ID: <b>MB-R7062</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>12/31/2012</b>	RunNo: <b>7062</b>
Client ID: <b>MBLKW</b>	Batch ID: <b>R7062</b>		Analysis Date: <b>12/31/2012</b>	SeqNo: <b>139875</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	0.100									
Chloromethane	ND	0.100									
Vinyl chloride	ND	0.0200									
Bromomethane	ND	0.100									
Trichlorofluoromethane	ND	0.100									
Chloroethane	ND	0.100									
1,1-Dichloroethene	ND	0.100									
Methylene chloride	ND	0.100									
trans-1,2-Dichloroethene	ND	0.100									

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits  
 D Dilution was required  
 J Analyte detected below quantitation limits  
 RL Reporting Limit  
 E Value above quantitation range  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits

**Work Order:** 1212166  
**CLIENT:** G-Logics  
**Project:** Former Thinker

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R7062</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>12/31/2012</b>	RunNo: <b>7062</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R7062</b>		Analysis Date: <b>12/31/2012</b>	SeqNo: <b>139875</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Methyl tert-butyl ether (MTBE)	ND	0.100									
1,1-Dichloroethane	ND	0.100									
2,2-Dichloropropane	ND	0.200									
cis-1,2-Dichloroethene	ND	0.100									
Chloroform	ND	0.100									
1,1,1-Trichloroethane (TCA)	ND	0.100									
1,1-Dichloropropene	ND	0.100									
Carbon tetrachloride	ND	0.100									
1,2-Dichloroethane	ND	0.100									
Benzene	ND	0.100									
Trichloroethene (TCE)	ND	0.100									
1,2-Dichloropropane	ND	0.100									
Dichlorobromomethane	ND	0.100									
Dibromomethane	ND	0.100									
cis-1,3-Dichloropropene	ND	0.100									
Toluene	ND	0.100									
trans-1,3-Dichloropropene	ND	0.100									
1,1,2-Trichloroethane	ND	0.100									
1,3-Dichloropropane	ND	0.100									
Tetrachloroethene (PCE)	ND	0.100									
Dibromochloromethane	ND	0.100									
1,2-Dibromoethane (EDB)	ND	0.00100									
Chlorobenzene	ND	0.100									
1,1,1,2-Tetrachloroethane	ND	0.100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.100									
o-Xylene	ND	0.100									
Styrene	ND	0.100									
Isopropylbenzene	ND	0.100									

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Date: 1/2/2013

**Work Order:** 1212166  
**CLIENT:** G-Logics  
**Project:** Former Thinker

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R7062</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>12/31/2012</b>	RunNo: <b>7062</b>
Client ID: <b>MBLKW</b>	Batch ID: <b>R7062</b>		Analysis Date: <b>12/31/2012</b>	SeqNo: <b>139875</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	ND	0.100									
1,1,2,2-Tetrachloroethane	ND	0.100									
n-Propylbenzene	ND	0.100									
Bromobenzene	ND	0.100									
1,3,5-Trimethylbenzene	ND	0.100									
2-Chlorotoluene	ND	0.100									
4-Chlorotoluene	ND	0.100									
tert-Butylbenzene	ND	0.100									
1,2,3-Trichloropropane	ND	0.100									
1,2,4-Trichlorobenzene	ND	0.200									
sec-Butylbenzene	ND	0.100									
4-Isopropyltoluene	ND	0.100									
1,3-Dichlorobenzene	ND	0.100									
1,4-Dichlorobenzene	ND	0.100									
n-Butylbenzene	ND	0.100									
1,2-Dichlorobenzene	ND	0.100									
1,2-Dibromo-3-chloropropane	ND	0.100									
1,2,4-Trimethylbenzene	ND	0.100									
Hexachlorobutadiene	ND	0.400									
Naphthalene	ND	0.100									
1,2,3-Trichlorobenzene	ND	0.400									
Surr: 1-Bromo-4-fluorobenzene-BFB	0.993		1.000		99.3	74.8	123				
Surr: Dibromofluoromethane	1.01		1.000		101	78.5	114				
Surr: Toluene-d8	1.01		1.000		101	83.5	113				

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client Name: **GL**

 Work Order Number: **1212166**

 Logged by: **Clare Griggs**

 Date Received: **12/28/2012 1:00:00 PM**

### Chain of Custody

1. Were custodial seals present? Yes  No  Not Required
2. Is Chain of Custody complete? Yes  No  Not Present
3. How was the sample delivered? Client

### Log In

4. Coolers are present? Yes  No  NA
- Air Sample**
5. Was an attempt made to cool the samples? Yes  No  NA
6. Were all coolers received at a temperature of >0° C to 10.0°C Yes  No  NA
7. Sample(s) in proper container(s)? Yes  No
8. Sufficient sample volume for indicated test(s)? Yes  No
9. Are samples properly preserved? Yes  No
10. Was preservative added to bottles? Yes  No  NA
11. Is there headspace present in VOA vials? Yes  No  NA
12. Did all sample containers arrive in good condition?(unbroken) Yes  No
13. Does paperwork match bottle labels? Yes  No
14. Are matrices correctly identified on Chain of Custody? Yes  No
15. Is it clear what analyses were requested? Yes  No
16. Were all holding times able to be met? Yes  No

### Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks/Discrepancies

### Item Information





# Fremont Analytical

1311 N. 35th Street  
Seattle, WA 98103  
Tel: 206-352-3790  
Fax: 206-352-7178

## Chain of Custody Record

1212166

Laboratory Project No (Interact):

Date: 12-28-12

Page: 1 of 1

Client: G-Logics  
Address:  
City, State, Zip

Project Name: Former Tanker  
Location: Belleuse  
Collected by: Don Horton 206-389-5334

Reports To (PM): \_\_\_\_\_ Fac: \_\_\_\_\_ Email: \_\_\_\_\_ Project No: 01-0739-B

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (Preserved)	SEM/EDX (EPA 8210)	WTO by PASD	Capacitive Charge Organic	Hydrocarbon Organic	Desulfurization Identification (HVT)	SARA 1-VOL (EPA 8210)	PAH (EPA 8210)	PCBs (EPA 8210)	Chlorinated PCBs (EPA 8210)	Metals* (EPA 8210)	Total (H) (Subtract Pb)	Asbestos (M)	Comments/Depth
1. Ex Stack	12/28	12:00	Air	X													Change to VOC 8260 (Air) per client request 12-28-12 ag
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

\*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal:  Return to Client  Disposal by Lab (After sample assessed (if samples are retained after 30 days))

Relinquished: Don Horton Date/Time: 12/28/12 1300

Received: [Signature] Date/Time: 12/28/12 1300

Relinquished: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received: \_\_\_\_\_ Date/Time: \_\_\_\_\_

TAT -> Next Day 2 Day 3 Day  (TD)

Distribution: White - Lab, Yellow - File, Pink - Originator

www.fremontanalytical.com



1311 N. 35th St.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**G-Logics**

Dan Hatch  
40 Second Ave. SE  
Issaquah, Washington 98027

**RE: Former Thinker Toys**

**Lab ID: 1301022**

January 09, 2013

**Attention Dan Hatch:**

Fremont Analytical, Inc. received 1 sample(s) on 1/7/2013 for the analyses presented in the following report.

***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee  
Sr. Chemist / Principal





Date: 01/09/2013

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**CLIENT:** G-Logics  
**Project:** Former Thinker Toys  
**Lab Order:** 1301022

---

## Work Order Sample Summary

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Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1301022-001	EX Stack	01/05/2013 12:20 PM	01/07/2013 11:55 AM

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Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

---

**I. SAMPLE RECEIPT:**

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



# Analytical Report

WO#: 1301022

Date Reported: 1/9/2013

**Client:** G-Logics

**Collection Date:** 1/5/2013 12:20:00 PM

**Project:** Former Thinker Toys

**Lab ID:** 1301022-001

**Matrix:** Air

**Client Sample ID:** EX Stack

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7104

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
Chloromethane	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
Vinyl chloride	ND	0.0200		µg/L	1	1/8/2013 8:30:00 AM
Bromomethane	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
Trichlorofluoromethane	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
Chloroethane	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
1,1-Dichloroethene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
Methylene chloride	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
1,1-Dichloroethane	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
2,2-Dichloropropane	ND	0.200		µg/L	1	1/8/2013 8:30:00 AM
cis-1,2-Dichloroethene	0.103	0.100		µg/L	1	1/8/2013 8:30:00 AM
Chloroform	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
1,1-Dichloropropene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
Carbon tetrachloride	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
1,2-Dichloroethane	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
Benzene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
Trichloroethene (TCE)	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
1,2-Dichloropropane	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
Dichlorobromomethane	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
Dibromomethane	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
Toluene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
1,3-Dichloropropane	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
<b>Tetrachloroethene (PCE)</b>	<b>26.5</b>	<b>1.00</b>	D	µg/L	10	1/8/2013 8:59:00 AM
Dibromochloromethane	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	1/8/2013 8:30:00 AM
Chlorobenzene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
Ethylbenzene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
m,p-Xylene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1301022

Date Reported: 1/9/2013

**Client:** G-Logics

**Collection Date:** 1/5/2013 12:20:00 PM

**Project:** Former Thinker Toys

**Lab ID:** 1301022-001

**Matrix:** Air

**Client Sample ID:** EX Stack

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7104

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
Styrene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
Isopropylbenzene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
Bromoform	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
n-Propylbenzene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
Bromobenzene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
2-Chlorotoluene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
4-Chlorotoluene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
tert-Butylbenzene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	1/8/2013 8:30:00 AM
sec-Butylbenzene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
4-Isopropyltoluene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
n-Butylbenzene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
Hexachlorobutadiene	ND	0.400		µg/L	1	1/8/2013 8:30:00 AM
Naphthalene	ND	0.100		µg/L	1	1/8/2013 8:30:00 AM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	1/8/2013 8:30:00 AM
Surr: 1-Bromo-4-fluorobenzene	103	74.8-123		%REC	1	1/8/2013 8:30:00 AM
Surr: Dibromofluoromethane	104	78.5-114		%REC	1	1/8/2013 8:30:00 AM
Surr: Toluene-d8	100	83.5-113		%REC	1	1/8/2013 8:30:00 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1301022  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R7104</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>1/8/2013</b>	RunNo: <b>7104</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R7104</b>		Analysis Date: <b>1/8/2013</b>	SeqNo: <b>140963</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane	ND	0.100									
Chloromethane	ND	0.100									
Vinyl chloride	ND	0.0200									
Bromomethane	ND	0.100									
Trichlorofluoromethane	ND	0.100									
Chloroethane	ND	0.100									
1,1-Dichloroethene	ND	0.100									
Methylene chloride	ND	0.100									
trans-1,2-Dichloroethene	ND	0.100									
Methyl tert-butyl ether (MTBE)	ND	0.100									
1,1-Dichloroethane	ND	0.100									
2,2-Dichloropropane	ND	0.200									
cis-1,2-Dichloroethene	ND	0.100									
Chloroform	ND	0.100									
1,1,1-Trichloroethane (TCA)	ND	0.100									
1,1-Dichloropropene	ND	0.100									
Carbon tetrachloride	ND	0.100									
1,2-Dichloroethane	ND	0.100									
Benzene	ND	0.100									
Trichloroethene (TCE)	ND	0.100									
1,2-Dichloropropane	ND	0.100									
Dichlorobromomethane	ND	0.100									
Dibromomethane	ND	0.100									
cis-1,3-Dichloropropene	ND	0.100									
Toluene	ND	0.100									
trans-1,3-Dichloropropene	ND	0.100									
1,1,2-Trichloroethane	ND	0.100									
1,3-Dichloropropane	ND	0.100									
Tetrachloroethene (PCE)	ND	0.100									

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1301022  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R7104</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>1/8/2013</b>	RunNo: <b>7104</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R7104</b>		Analysis Date: <b>1/8/2013</b>	SeqNo: <b>140963</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dibromochloromethane	ND	0.100									
1,2-Dibromoethane (EDB)	ND	0.00100									
Chlorobenzene	ND	0.100									
1,1,1,2-Tetrachloroethane	ND	0.100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.100									
o-Xylene	ND	0.100									
Styrene	ND	0.100									
Isopropylbenzene	ND	0.100									
Bromoform	ND	0.100									
1,1,2,2-Tetrachloroethane	ND	0.100									
n-Propylbenzene	ND	0.100									
Bromobenzene	ND	0.100									
1,3,5-Trimethylbenzene	ND	0.100									
2-Chlorotoluene	ND	0.100									
4-Chlorotoluene	ND	0.100									
tert-Butylbenzene	ND	0.100									
1,2,3-Trichloropropane	ND	0.100									
1,2,4-Trichlorobenzene	ND	0.200									
sec-Butylbenzene	ND	0.100									
4-Isopropyltoluene	ND	0.100									
1,3-Dichlorobenzene	ND	0.100									
1,4-Dichlorobenzene	ND	0.100									
n-Butylbenzene	ND	0.100									
1,2-Dichlorobenzene	ND	0.100									
1,2-Dibromo-3-chloropropane	ND	0.100									
1,2,4-Trimethylbenzene	ND	0.100									
Hexachlorobutadiene	ND	0.400									
Naphthalene	ND	0.100									

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1301022

CLIENT: G-Logics

Project: Former Thinker Toys

**QC SUMMARY REPORT**
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R7104</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>1/8/2013</b>	RunNo: <b>7104</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R7104</b>		Analysis Date: <b>1/8/2013</b>	SeqNo: <b>140963</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichlorobenzene	ND	0.400									
Surr: 1-Bromo-4-fluorobenzene-BFB	1.19		1.000		119	74.8	123				
Surr: Dibromofluoromethane	0.892		1.000		89.2	78.5	114				
Surr: Toluene-d8	1.00		1.000		100	83.5	113				

Sample ID: <b>LCS-R7104</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>1/8/2013</b>	RunNo: <b>7104</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R7104</b>		Analysis Date: <b>1/8/2013</b>	SeqNo: <b>140967</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane	1.81	0.100	2.000	0	90.5	45.1	121				
Chloromethane	1.56	0.100	2.000	0	77.9	42.5	131				
Vinyl chloride	1.49	0.0200	2.000	0	74.6	56.2	130				
Bromomethane	2.66	0.100	2.000	0	133	45.4	138				
Trichlorofluoromethane	2.02	0.100	2.000	0	101	64.7	129				
Chloroethane	1.38	0.100	2.000	0	68.8	62.5	123				
1,1-Dichloroethene	1.50	0.100	2.000	0	75.2	60.7	146				
Methylene chloride	1.46	0.100	2.000	0	72.9	60.3	135				
trans-1,2-Dichloroethene	1.91	0.100	2.000	0	95.6	71.3	129				
Methyl tert-butyl ether (MTBE)	2.07	0.100	2.000	0	104	75.4	123				
1,1-Dichloroethane	1.54	0.100	2.000	0	77.2	71.3	129				
2,2-Dichloropropane	1.60	0.200	2.000	0	80.1	37.8	132				
cis-1,2-Dichloroethene	2.06	0.100	2.000	0	103	67.5	127				
Chloroform	2.06	0.100	2.000	0	103	70.3	123				
1,1,1-Trichloroethane (TCA)	2.08	0.100	2.000	0	104	67.9	134				
1,1-Dichloropropene	1.76	0.100	2.000	0	88.2	72.1	133				
Carbon tetrachloride	1.71	0.100	2.000	0	85.6	68	136				
1,2-Dichloroethane	1.55	0.100	2.000	0	77.3	65.8	126				
Benzene	1.92	0.100	2.000	0	96.1	75.2	124				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

D Dilution was required  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

E Value above quantitation range  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



Date: 1/9/2013

**Work Order:** 1301022  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R7104</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>1/8/2013</b>	RunNo: <b>7104</b>
Client ID: <b>LCSW</b>	Batch ID: <b>R7104</b>		Analysis Date: <b>1/8/2013</b>	SeqNo: <b>140967</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	2.21	0.100	2.000	0	110	71.9	130				
1,2-Dichloropropane	1.58	0.100	2.000	0	79.1	71.9	131				
Dichlorobromomethane	2.11	0.100	2.000	0	106	70	130				
Dibromomethane	2.34	0.100	2.000	0	117	74.2	125				
cis-1,3-Dichloropropene	1.80	0.100	2.000	0	90.2	62.8	135				
Toluene	2.05	0.100	2.000	0	102	75.2	129				
trans-1,3-Dichloropropene	2.43	0.100	2.000	0	121	58.1	138				
1,1,2-Trichloroethane	2.22	0.100	2.000	0	111	65.4	128				
1,3-Dichloropropane	2.14	0.100	2.000	0	107	71.9	131				
Tetrachloroethene (PCE)	2.05	0.100	2.000	0	103	52.4	140				
Dibromochloromethane	1.65	0.100	2.000	0	82.3	68.7	139				
1,2-Dibromoethane (EDB)	1.67	0.00100	2.000	0	83.7	71.2	129				
Chlorobenzene	1.83	0.100	2.000	0	91.4	77.2	122				
1,1,1,2-Tetrachloroethane	2.18	0.100	2.000	0	109	76.2	130				
Ethylbenzene	2.47	0.100	2.000	0	124	78	127				
m,p-Xylene	4.57	0.100	4.000	0	114	77.5	130				
o-Xylene	2.47	0.100	2.000	0	123	77.6	126				
Styrene	2.09	0.100	2.000	0	104	66.8	137				
Isopropylbenzene	2.06	0.100	2.000	0	103	75.9	133				
Bromoform	2.59	0.100	2.000	0	129	69.9	142				
1,1,2,2-Tetrachloroethane	2.05	0.100	2.000	0	103	68	134				
n-Propylbenzene	2.26	0.100	2.000	0	113	77.1	133				
Bromobenzene	2.11	0.100	2.000	0	106	71.1	131				
1,3,5-Trimethylbenzene	2.05	0.100	2.000	0	103	76.2	133				
2-Chlorotoluene	2.34	0.100	2.000	0	117	67.1	137				
4-Chlorotoluene	2.38	0.100	2.000	0	119	70.7	132				
tert-Butylbenzene	1.60	0.100	2.000	0	79.8	71.3	139				
1,2,3-Trichloropropane	1.90	0.100	2.000	0	95.0	70.8	132				
1,2,4-Trichlorobenzene	2.50	0.200	2.000	0	125	61.4	139				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits



**Work Order:** 1301022  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R7104</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>1/8/2013</b>	RunNo: <b>7104</b>
Client ID: <b>LCSW</b>	Batch ID: <b>R7104</b>		Analysis Date: <b>1/8/2013</b>	SeqNo: <b>140967</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	1.98	0.100	2.000	0	99.0	77.4	136				
4-Isopropyltoluene	1.33	0.100	2.000	0	66.3	78.1	131				S
1,3-Dichlorobenzene	1.81	0.100	2.000	0	90.7	73.5	125				
1,4-Dichlorobenzene	1.84	0.100	2.000	0	92.2	71.4	125				
n-Butylbenzene	1.94	0.100	2.000	0	97.2	69.8	138				
1,2-Dichlorobenzene	1.88	0.100	2.000	0	94.0	74.2	123				
1,2-Dibromo-3-chloropropane	2.04	0.100	2.000	0	102	66.1	138				
1,2,4-Trimethylbenzene	2.27	0.100	2.000	0	114	72.3	133				
Hexachlorobutadiene	1.25	0.400	2.000	0	62.4	60.9	141				
Naphthalene	1.40	0.100	2.000	0	70.1	58.2	140				
1,2,3-Trichlorobenzene	2.16	0.400	2.000	0	108	61.3	133				
Surr: 1-Bromo-4-fluorobenzene-BFB	1.10		1.000		110	74.8	123				
Surr: Dibromofluoromethane	0.890		1.000		89.0	78.5	114				
Surr: Toluene-d8	1.00		1.000		100	83.5	113				

**NOTES:**

S - Outlying QC recoveries were associated with this sample (4-Isopropyltoluene). The method is in control as indicated by the LCSD.

Sample ID: <b>LCSD-R7104</b>	SampType: <b>LCSD</b>	Units: <b>µg/L</b>	Prep Date: <b>1/8/2013</b>	RunNo: <b>7104</b>
Client ID: <b>LCSW02</b>	Batch ID: <b>R7104</b>		Analysis Date: <b>1/8/2013</b>	SeqNo: <b>140968</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	1.71	0.100	2.000	0	85.4	45.1	121	1.810	5.74	0	
Chloromethane	1.54	0.100	2.000	0	76.8	42.5	131	1.557	1.42	0	
Vinyl chloride	1.37	0.0200	2.000	0	68.6	56.2	130	1.491	8.39	0	
Bromomethane	2.44	0.100	2.000	0	122	45.4	138	2.656	8.44	0	
Trichlorofluoromethane	1.91	0.100	2.000	0	95.6	64.7	129	2.021	5.60	0	
Chloroethane	1.27	0.100	2.000	0	63.6	62.5	123	1.375	7.78	0	
1,1-Dichloroethene	1.43	0.100	2.000	0	71.4	60.7	146	1.503	5.05	0	
Methylene chloride	1.39	0.100	2.000	0	69.7	60.3	135	1.457	4.42	0	

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

**Work Order:** 1301022  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-D-R7104</b>	SampType: <b>LCS-D</b>	Units: <b>µg/L</b>	Prep Date: <b>1/8/2013</b>	RunNo: <b>7104</b>
Client ID: <b>LCSW02</b>	Batch ID: <b>R7104</b>		Analysis Date: <b>1/8/2013</b>	SeqNo: <b>140968</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	1.85	0.100	2.000	0	92.4	71.3	129	1.911	3.35	0	
Methyl tert-butyl ether (MTBE)	2.01	0.100	2.000	0	101	75.4	123	2.070	2.84	0	
1,1-Dichloroethane	1.45	0.100	2.000	0	72.6	71.3	129	1.543	6.15	0	
2,2-Dichloropropane	1.54	0.200	2.000	0	76.9	37.8	132	1.602	4.08	0	
cis-1,2-Dichloroethene	1.92	0.100	2.000	0	96.2	67.5	127	2.060	6.83	0	
Chloroform	1.99	0.100	2.000	0	99.4	70.3	123	2.062	3.70	0	
1,1,1-Trichloroethane (TCA)	1.99	0.100	2.000	0	99.5	67.9	134	2.075	4.18	0	
1,1-Dichloropropene	1.66	0.100	2.000	0	83.2	72.1	133	1.765	5.95	0	
Carbon tetrachloride	1.64	0.100	2.000	0	82.2	68	136	1.712	4.11	0	
1,2-Dichloroethane	1.47	0.100	2.000	0	73.4	65.8	126	1.546	5.24	0	
Benzene	1.81	0.100	2.000	0	90.4	75.2	124	1.922	6.06	0	
Trichloroethene (TCE)	2.10	0.100	2.000	0	105	71.9	130	2.206	4.83	0	
1,2-Dichloropropane	1.48	0.100	2.000	0	74.0	71.9	131	1.581	6.67	0	
Dichlorobromomethane	1.98	0.100	2.000	0	99.2	70	130	2.112	6.30	0	
Dibromomethane	2.28	0.100	2.000	0	114	74.2	125	2.336	2.25	0	
cis-1,3-Dichloropropene	1.70	0.100	2.000	0	85.1	62.8	135	1.803	5.82	0	
Toluene	2.01	0.100	2.000	0	101	75.2	129	2.049	1.82	0	
trans-1,3-Dichloropropene	2.36	0.100	2.000	0	118	58.1	138	2.428	2.88	0	
1,1,2-Trichloroethane	2.17	0.100	2.000	0	108	65.4	128	2.215	2.24	0	
1,3-Dichloropropane	2.08	0.100	2.000	0	104	71.9	131	2.137	2.66	0	
Tetrachloroethene (PCE)	2.00	0.100	2.000	0	99.8	52.4	140	2.050	2.67	0	
Dibromochloromethane	1.65	0.100	2.000	0	82.3	68.7	139	1.646	0	0	
1,2-Dibromoethane (EDB)	1.60	0.00100	2.000	0	79.9	71.2	129	1.674	4.65	0	
Chlorobenzene	1.86	0.100	2.000	0	92.9	77.2	122	1.828	1.57	0	
1,1,1,2-Tetrachloroethane	2.29	0.100	2.000	0	114	76.2	130	2.176	4.97	0	
Ethylbenzene	2.36	0.100	2.000	0	118	78	127	2.474	4.63	0	
m,p-Xylene	4.72	0.100	4.000	0	118	77.5	130	4.567	3.19	0	
o-Xylene	2.44	0.100	2.000	0	122	77.6	126	2.469	1.22	0	
Styrene	2.15	0.100	2.000	0	108	66.8	137	2.090	2.92	0	

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits



**Work Order:** 1301022  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCSD-R7104</b>	SampType: <b>LCSD</b>	Units: <b>µg/L</b>	Prep Date: <b>1/8/2013</b>	RunNo: <b>7104</b>
Client ID: <b>LCSW02</b>	Batch ID: <b>R7104</b>		Analysis Date: <b>1/8/2013</b>	SeqNo: <b>140968</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isopropylbenzene	1.96	0.100	2.000	0	97.8	75.9	133	2.059	5.13	0	
Bromoform	2.46	0.100	2.000	0	123	69.9	142	2.587	5.07	0	
1,1,2,2-Tetrachloroethane	1.90	0.100	2.000	0	95.0	68	134	2.054	7.84	0	
n-Propylbenzene	2.44	0.100	2.000	0	122	77.1	133	2.265	7.60	0	
Bromobenzene	2.03	0.100	2.000	0	102	71.1	131	2.110	3.86	0	
1,3,5-Trimethylbenzene	2.00	0.100	2.000	0	100	76.2	133	2.052	2.57	0	
2-Chlorotoluene	2.35	0.100	2.000	0	118	67.1	137	2.344	0.341	0	
4-Chlorotoluene	2.33	0.100	2.000	0	117	70.7	132	2.378	2.00	0	
tert-Butylbenzene	1.55	0.100	2.000	0	77.4	71.3	139	1.595	3.06	0	
1,2,3-Trichloropropane	1.94	0.100	2.000	0	97.0	70.8	132	1.899	2.08	0	
1,2,4-Trichlorobenzene	2.53	0.200	2.000	0	127	61.4	139	2.501	1.15	0	
sec-Butylbenzene	1.93	0.100	2.000	0	96.3	77.4	136	1.980	2.76	0	
4-Isopropyltoluene	1.78	0.100	2.000	0	88.8	78.1	131	1.326	29.0	0	
1,3-Dichlorobenzene	1.85	0.100	2.000	0	92.7	73.5	125	1.813	2.24	0	
1,4-Dichlorobenzene	1.87	0.100	2.000	0	93.5	71.4	125	1.845	1.35	0	
n-Butylbenzene	1.94	0.100	2.000	0	97.2	69.8	138	1.943	0.0515	0	
1,2-Dichlorobenzene	1.83	0.100	2.000	0	91.5	74.2	123	1.879	2.64	0	
1,2-Dibromo-3-chloropropane	2.10	0.100	2.000	0	105	66.1	138	2.041	2.94	0	
1,2,4-Trimethylbenzene	2.20	0.100	2.000	0	110	72.3	133	2.271	3.09	0	
Hexachlorobutadiene	1.30	0.400	2.000	0	65.1	60.9	141	1.249	4.16	0	
Naphthalene	1.28	0.100	2.000	0	64.2	58.2	140	1.402	8.71	0	
1,2,3-Trichlorobenzene	2.13	0.400	2.000	0	107	61.3	133	2.162	1.44	0	
Surr: 1-Bromo-4-fluorobenzene-BFB	1.12		1.000		112	74.8	123		0	0	
Surr: Dibromofluoromethane	0.882		1.000		88.2	78.5	114		0	0	
Surr: Toluene-d8	1.02		1.000		102	83.5	113		0	0	

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client Name: **GL**

 Work Order Number: **1301022**

 Logged by: **Troy Zehr**

 Date Received: **1/7/2013 11:55:00 AM**
**Chain of Custody**

1. Were custodial seals present? Yes  No  Not Required
2. Is Chain of Custody complete? Yes  No  Not Present
3. How was the sample delivered? Client

**Log In**

4. Coolers are present? Yes  No  NA
- Air Sample.**
5. Was an attempt made to cool the samples? Yes  No  NA
6. Were all coolers received at a temperature of >0° C to 10.0°C Yes  No  NA
7. Sample(s) in proper container(s)? Yes  No
8. Sufficient sample volume for indicated test(s)? Yes  No
9. Are samples properly preserved? Yes  No
10. Was preservative added to bottles? Yes  No  NA
11. Is there headspace present in VOA vials? Yes  No  NA
12. Did all sample containers arrive in good condition?(unbroken) Yes  No
13. Does paperwork match bottle labels? Yes  No
14. Are matrices correctly identified on Chain of Custody? Yes  No
15. Is it clear what analyses were requested? Yes  No
16. Were all holding times able to be met? Yes  No

**Special Handling (if applicable)**

17. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks/Discrepancies

**Item Information**



**Fremont**  
Analytical

1311 N. 35th Street  
Seattle, WA 98103

Tel: 206-352-3790  
Fax: 206-352-7178

Client:

G-Logics

Address:

ISSAQUAH

City, State, Zip

DAN H

Tel:

Project Name:

Former Thinkt Toys

Location:

SAR

Collected by:

Laboratory Project No (Internal):

1301023

Page:

1 of 1

Date:

# Chain of Custody Record

Reports To (PM):

DAN H

Fac:

Email:

Project No: 01-0739-B

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	Comments/Depth
1 EX STACK	1/5/13	12:20	AIR	X
2				
3				
4				
5				
6				
7				
8				
9				
10				

\*Metals Analysis (Circle): MTCA-5 RCRA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Se Sr Sn Ti Tl U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Fluoride Nitrate+Nitrite

Sample Disposal:  Return to Client  Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Relinquished

Date/Time

1/7/13 11:55

Received

Date/Time

1/7/13 11:55

Special Remarks:

TAT -> Next Day 2 Day 3 Day STD



1311 N. 35th St.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**G-Logics**

Dan Hatch  
40 Second Ave. SE  
Issaquah, Washington 98027

**RE: Former Thinker Toys**

**Lab ID: 1301061**

January 21, 2013

**Attention Dan Hatch:**

Fremont Analytical, Inc. received 1 sample(s) on 1/14/2013 for the analyses presented in the following report.

***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee  
Sr. Chemist / Principal



Date: 01/21/2013

---

**CLIENT:** G-Logics  
**Project:** Former Thinker Toys  
**Lab Order:** 1301061

---

## Work Order Sample Summary

---

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1301061-001	Exhaust Stack	01/14/2013 11:00 AM	01/14/2013 11:39 AM

---

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

---

**I. SAMPLE RECEIPT:**

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.





# Analytical Report

WO#: 1301061

Date Reported: 1/21/2013

**Client:** G-Logics

**Collection Date:** 1/14/2013 11:00:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1301061-001

**Matrix:** Air

**Client Sample ID:** Exhaust Stack

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7205

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
Chloromethane	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
Vinyl chloride	ND	0.0200		µg/L	1	1/16/2013 11:09:00 AM
Bromomethane	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
Trichlorofluoromethane	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
Chloroethane	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
1,1-Dichloroethene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
Methylene chloride	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
1,1-Dichloroethane	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
2,2-Dichloropropane	ND	0.200		µg/L	1	1/16/2013 11:09:00 AM
<b>cis-1,2-Dichloroethene</b>	<b>0.231</b>	0.100		µg/L	1	1/16/2013 11:09:00 AM
Chloroform	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
1,1-Dichloropropene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
Carbon tetrachloride	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
1,2-Dichloroethane	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
Benzene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
<b>Trichloroethene (TCE)</b>	<b>0.203</b>	0.100		µg/L	1	1/16/2013 11:09:00 AM
1,2-Dichloropropane	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
Dichlorobromomethane	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
Dibromomethane	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
Toluene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
1,3-Dichloropropane	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
<b>Tetrachloroethene (PCE)</b>	<b>54.6</b>	1.00	DH	µg/L	10	1/17/2013 1:42:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	1/16/2013 11:09:00 AM
Chlorobenzene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
Ethylbenzene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
m,p-Xylene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1301061

Date Reported: 1/21/2013

**Client:** G-Logics

**Collection Date:** 1/14/2013 11:00:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1301061-001

**Matrix:** Air

**Client Sample ID:** Exhaust Stack

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R7205	Analyst: EM
o-Xylene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
Styrene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
Isopropylbenzene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
Bromoform	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
n-Propylbenzene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
Bromobenzene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
2-Chlorotoluene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
4-Chlorotoluene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
tert-Butylbenzene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	1/16/2013 11:09:00 AM
sec-Butylbenzene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
4-Isopropyltoluene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
n-Butylbenzene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
Hexachlorobutadiene	ND	0.400		µg/L	1	1/16/2013 11:09:00 AM
Naphthalene	ND	0.100		µg/L	1	1/16/2013 11:09:00 AM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	1/16/2013 11:09:00 AM
Surr: 1-Bromo-4-fluorobenzene	97.0	74.8-123		%REC	1	1/16/2013 11:09:00 AM
Surr: Dibromofluoromethane	92.5	78.5-114		%REC	1	1/16/2013 11:09:00 AM
Surr: Toluene-d8	100	83.5-113		%REC	1	1/16/2013 11:09:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits

**Work Order:** 1301061  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>ICV-R7205B</b>	SampType: <b>ICV</b>	Units: <b>µg/L</b>	Prep Date: <b>1/17/2013</b>	RunNo: <b>7205</b>							
Client ID: <b>ICV</b>	Batch ID: <b>R7205</b>		Analysis Date: <b>1/17/2013</b>	SeqNo: <b>142887</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	22.5	0.100	20.00	0	112	70	130				
Surr: 1-Bromo-4-fluorobenzene-BFB	9.91		10.00		99.1	74.8	123				
Surr: Dibromofluoromethane	9.49		10.00		94.9	78.5	114				
Surr: Toluene-d8	10.2		10.00		103	83.5	113				

Sample ID: <b>LCS-R7205</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>1/16/2013</b>	RunNo: <b>7205</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R7205</b>		Analysis Date: <b>1/16/2013</b>	SeqNo: <b>142888</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane	1.65	0.100	2.000	0	82.6	45.1	121				
Chloromethane	1.79	0.100	2.000	0	89.3	42.5	131				
Vinyl chloride	1.82	0.0200	2.000	0	91.1	56.2	130				
Bromomethane	1.67	0.100	2.000	0	83.5	45.4	138				
Trichlorofluoromethane	1.69	0.100	2.000	0	84.3	64.7	129				
Chloroethane	2.08	0.100	2.000	0	104	62.5	123				
1,1-Dichloroethene	1.69	0.100	2.000	0	84.4	60.7	146				
Methylene chloride	1.98	0.100	2.000	0	99.2	60.3	135				B
trans-1,2-Dichloroethene	2.08	0.100	2.000	0	104	71.3	129				
Methyl tert-butyl ether (MTBE)	2.43	0.100	2.000	0	122	75.4	123				
1,1-Dichloroethane	1.85	0.100	2.000	0	92.3	71.3	129				
2,2-Dichloropropane	1.41	0.200	2.000	0	70.6	37.8	132				
cis-1,2-Dichloroethene	2.04	0.100	2.000	0	102	67.5	127				
Chloroform	1.97	0.100	2.000	0	98.5	70.3	123				
1,1,1-Trichloroethane (TCA)	2.04	0.100	2.000	0	102	67.9	134				
1,1-Dichloropropene	1.85	0.100	2.000	0	92.5	72.1	133				
Carbon tetrachloride	2.27	0.100	2.000	0	113	68	136				
1,2-Dichloroethane	2.15	0.100	2.000	0	108	65.8	126				
Benzene	1.99	0.100	2.000	0	99.5	75.2	124				

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



**Work Order:** 1301061  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R7205</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>1/16/2013</b>	RunNo: <b>7205</b>
Client ID: <b>LCSW</b>	Batch ID: <b>R7205</b>		Analysis Date: <b>1/16/2013</b>	SeqNo: <b>142888</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	2.04	0.100	2.000	0	102	71.9	130				
1,2-Dichloropropane	1.94	0.100	2.000	0	97.0	71.9	131				
Dichlorobromomethane	2.15	0.100	2.000	0	107	70	130				
Dibromomethane	1.55	0.100	2.000	0	77.4	74.2	125				
cis-1,3-Dichloropropene	2.82	0.100	2.000	0	141	62.8	135				S
Toluene	2.06	0.100	2.000	0	103	75.2	129				
trans-1,3-Dichloropropene	2.60	0.100	2.000	0	130	58.1	138				
1,1,2-Trichloroethane	2.44	0.100	2.000	0	122	65.4	128				
1,3-Dichloropropane	2.20	0.100	2.000	0	110	71.9	131				
Tetrachloroethene (PCE)	2.17	0.100	2.000	0	109	52.4	140				
Dibromochloromethane	2.44	0.100	2.000	0	122	68.7	139				
1,2-Dibromoethane (EDB)	2.21	0.00100	2.000	0	110	71.2	129				
Chlorobenzene	2.00	0.100	2.000	0	100	77.2	122				
1,1,1,2-Tetrachloroethane	1.95	0.100	2.000	0	97.4	76.2	130				
Ethylbenzene	1.97	0.100	2.000	0	98.6	78	127				
m,p-Xylene	3.97	0.100	4.000	0	99.2	77.5	130				
o-Xylene	1.99	0.100	2.000	0	99.6	77.6	126				
Styrene	2.01	0.100	2.000	0	100	66.8	137				
Isopropylbenzene	1.97	0.100	2.000	0	98.6	75.9	133				
Bromoform	2.18	0.100	2.000	0	109	69.9	142				
1,1,2,2-Tetrachloroethane	1.81	0.100	2.000	0	90.6	68	134				
n-Propylbenzene	1.99	0.100	2.000	0	99.4	77.1	133				
Bromobenzene	2.00	0.100	2.000	0	99.9	71.1	131				
1,3,5-Trimethylbenzene	1.98	0.100	2.000	0	99.0	76.2	133				
2-Chlorotoluene	1.99	0.100	2.000	0	99.4	67.1	137				
4-Chlorotoluene	2.00	0.100	2.000	0	99.8	70.7	132				
tert-Butylbenzene	1.98	0.100	2.000	0	99.2	71.3	139				
1,2,3-Trichloropropane	2.16	0.100	2.000	0	108	70.8	132				
1,2,4-Trichlorobenzene	2.03	0.200	2.000	0	102	61.4	139				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1301061

CLIENT: G-Logics

Project: Former Thinker Toys

**QC SUMMARY REPORT**
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R7205</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>1/16/2013</b>	RunNo: <b>7205</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R7205</b>		Analysis Date: <b>1/16/2013</b>	SeqNo: <b>142888</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

sec-Butylbenzene	2.01	0.100	2.000	0	100	77.4	136				
4-Isopropyltoluene	2.04	0.100	2.000	0	102	78.1	131				
1,3-Dichlorobenzene	2.01	0.100	2.000	0	100	73.5	125				
1,4-Dichlorobenzene	1.92	0.100	2.000	0	96.2	71.4	125				
n-Butylbenzene	1.98	0.100	2.000	0	99.0	69.8	138				
1,2-Dichlorobenzene	2.08	0.100	2.000	0	104	74.2	123				
1,2-Dibromo-3-chloropropane	2.05	0.100	2.000	0	102	66.1	138				
1,2,4-Trimethylbenzene	2.02	0.100	2.000	0	101	72.3	133				
Hexachlorobutadiene	1.90	0.400	2.000	0	95.0	60.9	141				
Naphthalene	2.11	0.100	2.000	0	105	58.2	140				
1,2,3-Trichlorobenzene	2.08	0.400	2.000	0	104	61.3	133				
Surr: 1-Bromo-4-fluorobenzene-BFB	0.976		1.000		97.6	74.8	123				
Surr: Dibromofluoromethane	1.03		1.000		103	78.5	114				
Surr: Toluene-d8	1.02		1.000		102	83.5	113				

**NOTES:**

S - Outlying spike recovery observed (cis-1,3-Dichloropropene; high bias). Samples were non-detect for cis-1,3-Dichloropropene.

Sample ID: <b>MB-R7205</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>1/16/2013</b>	RunNo: <b>7205</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R7205</b>		Analysis Date: <b>1/16/2013</b>	SeqNo: <b>142889</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane	ND	0.100									
Chloromethane	ND	0.100									
Vinyl chloride	ND	0.0200									
Bromomethane	ND	0.100									
Trichlorofluoromethane	ND	0.100									
Chloroethane	ND	0.100									
1,1-Dichloroethene	ND	0.100									
Methylene chloride	0.197	0.100									

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

D Dilution was required  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

E Value above quantitation range  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits

**Work Order:** 1301061  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R7205</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>1/16/2013</b>	RunNo: <b>7205</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R7205</b>		Analysis Date: <b>1/16/2013</b>	SeqNo: <b>142889</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

trans-1,2-Dichloroethene	ND	0.100									
Methyl tert-butyl ether (MTBE)	ND	0.100									
1,1-Dichloroethane	ND	0.100									
2,2-Dichloropropane	ND	0.200									
cis-1,2-Dichloroethene	ND	0.100									
Chloroform	ND	0.100									
1,1,1-Trichloroethane (TCA)	ND	0.100									
1,1-Dichloropropene	ND	0.100									
Carbon tetrachloride	ND	0.100									
1,2-Dichloroethane	ND	0.100									
Benzene	ND	0.100									
Trichloroethene (TCE)	ND	0.100									
1,2-Dichloropropane	ND	0.100									
Dichlorobromomethane	ND	0.100									
Dibromomethane	ND	0.100									
cis-1,3-Dichloropropene	ND	0.100									
Toluene	ND	0.100									
trans-1,3-Dichloropropene	ND	0.100									
1,1,2-Trichloroethane	ND	0.100									
1,3-Dichloropropane	ND	0.100									
Tetrachloroethene (PCE)	ND	0.100									
Dibromochloromethane	ND	0.100									
1,2-Dibromoethane (EDB)	ND	0.00100									
Chlorobenzene	ND	0.100									
1,1,1,2-Tetrachloroethane	ND	0.100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.100									
o-Xylene	ND	0.100									
Styrene	ND	0.100									

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1301061  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R7205</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>1/16/2013</b>	RunNo: <b>7205</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R7205</b>		Analysis Date: <b>1/16/2013</b>	SeqNo: <b>142889</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isopropylbenzene	ND	0.100									
Bromoform	ND	0.100									
1,1,2,2-Tetrachloroethane	ND	0.100									
n-Propylbenzene	ND	0.100									
Bromobenzene	ND	0.100									
1,3,5-Trimethylbenzene	ND	0.100									
2-Chlorotoluene	ND	0.100									
4-Chlorotoluene	ND	0.100									
tert-Butylbenzene	ND	0.100									
1,2,3-Trichloropropane	ND	0.100									
1,2,4-Trichlorobenzene	ND	0.200									
sec-Butylbenzene	ND	0.100									
4-Isopropyltoluene	ND	0.100									
1,3-Dichlorobenzene	ND	0.100									
1,4-Dichlorobenzene	ND	0.100									
n-Butylbenzene	ND	0.100									
1,2-Dichlorobenzene	ND	0.100									
1,2-Dibromo-3-chloropropane	ND	0.100									
1,2,4-Trimethylbenzene	ND	0.100									
Hexachlorobutadiene	ND	0.400									
Naphthalene	ND	0.100									
1,2,3-Trichlorobenzene	ND	0.400									
Surr: 1-Bromo-4-fluorobenzene-BFB	0.984		1.000		98.4	74.8	123				
Surr: Dibromofluoromethane	0.997		1.000		99.7	78.5	114				
Surr: Toluene-d8	1.00		1.000		100	83.5	113				

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client Name: **GL**

 Work Order Number: **1301061**

 Logged by: **Clare Griggs**

 Date Received: **1/14/2013 11:39:00 AM**

### Chain of Custody

1. Were custodial seals present? Yes  No  Not Required
2. Is Chain of Custody complete? Yes  No  Not Present
3. How was the sample delivered? Client

### Log In

4. Coolers are present? Yes  No  NA
5. Was an attempt made to cool the samples? Yes  No  NA  **Air sample**
6. Were all coolers received at a temperature of >0° C to 10.0°C Yes  No  NA
7. Sample(s) in proper container(s)? Yes  No
8. Sufficient sample volume for indicated test(s)? Yes  No
9. Are samples properly preserved? Yes  No
10. Was preservative added to bottles? Yes  No  NA
11. Is there headspace present in VOA vials? Yes  No  NA
12. Did all sample containers arrive in good condition?(unbroken) Yes  No
13. Does paperwork match bottle labels? Yes  No
14. Are matrices correctly identified on Chain of Custody? Yes  No
15. Is it clear what analyses were requested? Yes  No
16. Were all holding times able to be met? Yes  No

### Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks/Discrepancies

### Item Information





**Fremont**  
Analytical

1311 N. 35th Street  
Seattle, WA 98103  
Tel: 206-352-3790  
Fax: 206-352-7178

Client: CS Logistics

Address: \_\_\_\_\_

City, State, Zip: Issaquah Tel: \_\_\_\_\_

Reports To (PM): \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Project Name: Former Trunk Toys

Location: Bellevue

Collected by: Dan Hutton

Laboratory Project No (Internal): 17010101

Page: 1 of: 1

# Chain of Custody Record

Project No: 01-0739-B

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260) GV/RTX for EPA 8021b RTX by 8260	GC/MS for EPA 8270 GC/MS for EPA 8270 - SMI	PAH (EPA 8270 - SMI)	PCB (EPA 8260)	D Herbicides (EPA 8211)	M Herbicides (EPA 8211)	Total (EPA 8211) Total (EPA 8211) Total (EPA 8211) Total (EPA 8211)	Comments/Depth
1. Exhaust Stack	1/13	11:00	Air	X							
2.											
3.											
4.											
5.											
6.											
7.											
8.											
9.											
10.											

\*Metals Analysis (Circle): MTCA-5 HCB-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Fluoride Nitrate+Nitrite

Sample Disposal:  Return to Client  Disposal by Lab (A fee may be assessed if samples are retained after 90 days.)

Relinquished Date/Time x Dan Hutton 1/13	Received Date/Time x <u>[Signature]</u> 1-14-13 11:54
Relinquished Date/Time x	Received Date/Time x

Special Remarks:

TAT -> Next Day 2 Day 3 Day SID



1311 N. 35th St.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**G-Logics**

Dan Hatch  
40 Second Ave. SE  
Issaquah, Washington 98027

**RE: Former Thinker Toys**

**Lab ID: 1301105**

January 28, 2013

**Attention Dan Hatch:**

Fremont Analytical, Inc. received 1 sample(s) on 1/22/2013 for the analyses presented in the following report.

***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee  
Sr. Chemist / Principal



Date: 01/28/2013

---

**CLIENT:** G-Logics  
**Project:** Former Thinker Toys  
**Lab Order:** 1301105

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## Work Order Sample Summary

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Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1301105-001	Ex Stack	01/22/2013 11:45 AM	01/22/2013 12:15 PM

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Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

---

**I. SAMPLE RECEIPT:**

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



# Analytical Report

WO#: 1301105

Date Reported: 1/28/2013

**Client:** G-Logics

**Collection Date:** 1/22/2013 11:45:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1301105-001

**Matrix:** Air

**Client Sample ID:** Ex Stack

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7283

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
Chloromethane	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	1/24/2013 1:40:00 PM
Bromomethane	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
Chloroethane	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
Methylene chloride	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	1/24/2013 1:40:00 PM
<b>cis-1,2-Dichloroethene</b>	<b>0.169</b>	0.100		µg/L	1	1/24/2013 1:40:00 PM
Chloroform	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
Benzene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
<b>Trichloroethene (TCE)</b>	<b>0.169</b>	0.100		µg/L	1	1/24/2013 1:40:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
Dibromomethane	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
Toluene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>64.7</b>	2.00	D	µg/L	20	1/24/2013 5:49:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	1/24/2013 1:40:00 PM
Chlorobenzene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
Ethylbenzene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
m,p-Xylene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 1/22/2013 11:45:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1301105-001

**Matrix:** Air

**Client Sample ID:** Ex Stack

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7283

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
Styrene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
Bromoform	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
Bromobenzene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	1/24/2013 1:40:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	1/24/2013 1:40:00 PM
Naphthalene	ND	0.100		µg/L	1	1/24/2013 1:40:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	1/24/2013 1:40:00 PM
Surr: 1-Bromo-4-fluorobenzene	103	74.8-123		%REC	1	1/24/2013 1:40:00 PM
Surr: Dibromofluoromethane	107	78.5-114		%REC	1	1/24/2013 1:40:00 PM
Surr: Toluene-d8	104	83.5-113		%REC	1	1/24/2013 1:40:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



Date: 1/28/2013

**Work Order:** 1301105  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R7283</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>1/24/2013</b>	RunNo: <b>7283</b>
Client ID: <b>LCSW</b>	Batch ID: <b>R7283</b>		Analysis Date: <b>1/24/2013</b>	SeqNo: <b>143993</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	2.70	0.100	2.000	0	135	45.1	121				S
Chloromethane	1.74	0.100	2.000	0	87.2	42.5	131				
Vinyl chloride	2.19	0.0200	2.000	0	110	56.2	130				
Bromomethane	1.65	0.100	2.000	0	82.3	45.4	138				
Trichlorofluoromethane	2.00	0.100	2.000	0	99.8	64.7	129				
Chloroethane	1.82	0.100	2.000	0	91.0	62.5	123				
1,1-Dichloroethene	2.03	0.100	2.000	0	102	60.7	146				
Methylene chloride	1.91	0.100	2.000	0	95.4	60.3	135				
trans-1,2-Dichloroethene	1.87	0.100	2.000	0	93.7	71.3	129				
Methyl tert-butyl ether (MTBE)	1.70	0.100	2.000	0	84.9	75.4	123				
1,1-Dichloroethane	1.96	0.100	2.000	0	97.8	71.3	129				
2,2-Dichloropropane	2.46	0.200	2.000	0	123	37.8	132				
cis-1,2-Dichloroethene	2.19	0.100	2.000	0	110	67.5	127				
Chloroform	2.14	0.100	2.000	0	107	70.3	123				
1,1,1-Trichloroethane (TCA)	1.88	0.100	2.000	0	94.0	67.9	134				
1,1-Dichloropropene	2.00	0.100	2.000	0	100	72.1	133				
Carbon tetrachloride	1.46	0.100	2.000	0	73.1	68	136				
1,2-Dichloroethane	2.06	0.100	2.000	0	103	65.8	126				
Benzene	2.10	0.100	2.000	0	105	75.2	124				
Trichloroethene (TCE)	2.05	0.100	2.000	0	102	71.9	130				
1,2-Dichloropropane	2.19	0.100	2.000	0	109	71.9	131				
Dichlorobromomethane	2.03	0.100	2.000	0	101	70	130				
Dibromomethane	1.91	0.100	2.000	0	95.4	74.2	125				
cis-1,3-Dichloropropene	1.64	0.100	2.000	0	81.9	62.8	135				
Toluene	2.10	0.100	2.000	0	105	75.2	129				
trans-1,3-Dichloropropene	1.85	0.100	2.000	0	92.4	58.1	138				
1,1,2-Trichloroethane	2.06	0.100	2.000	0	103	65.4	128				
1,3-Dichloropropane	1.94	0.100	2.000	0	96.8	71.9	131				
Tetrachloroethene (PCE)	2.15	0.100	2.000	0	108	52.4	140				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1301105

CLIENT: G-Logics

Project: Former Thinker Toys

**QC SUMMARY REPORT**
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R7283</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>				Prep Date: <b>1/24/2013</b>	RunNo: <b>7283</b>				
Client ID: <b>LCSW</b>	Batch ID: <b>R7283</b>					Analysis Date: <b>1/24/2013</b>	SeqNo: <b>143993</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	1.85	0.100	2.000	0	92.4	68.7	139				
1,2-Dibromoethane (EDB)	1.73	0.00100	2.000	0	86.4	71.2	129				
Chlorobenzene	2.02	0.100	2.000	0	101	77.2	122				
1,1,1,2-Tetrachloroethane	1.87	0.100	2.000	0	93.4	76.2	130				
Ethylbenzene	1.96	0.100	2.000	0	98.0	78	127				
m,p-Xylene	4.03	0.100	4.000	0	101	77.5	130				
o-Xylene	2.22	0.100	2.000	0	111	77.6	126				
Styrene	2.39	0.100	2.000	0	120	66.8	137				
Isopropylbenzene	1.99	0.100	2.000	0	99.6	75.9	133				
Bromoform	1.85	0.100	2.000	0	92.6	69.9	142				
1,1,2,2-Tetrachloroethane	2.13	0.100	2.000	0	106	68	134				
n-Propylbenzene	2.00	0.100	2.000	0	100	77.1	133				
Bromobenzene	1.99	0.100	2.000	0	99.4	71.1	131				
1,3,5-Trimethylbenzene	2.02	0.100	2.000	0	101	76.2	133				
2-Chlorotoluene	2.02	0.100	2.000	0	101	67.1	137				
4-Chlorotoluene	2.04	0.100	2.000	0	102	70.7	132				
tert-Butylbenzene	2.06	0.100	2.000	0	103	71.3	139				
1,2,3-Trichloropropane	1.86	0.100	2.000	0	93.2	70.8	132				
1,2,4-Trichlorobenzene	2.01	0.200	2.000	0	100	61.4	139				
sec-Butylbenzene	2.02	0.100	2.000	0	101	77.4	136				
4-Isopropyltoluene	2.05	0.100	2.000	0	103	78.1	131				
1,3-Dichlorobenzene	2.07	0.100	2.000	0	103	73.5	125				
1,4-Dichlorobenzene	1.81	0.100	2.000	0	90.3	71.4	125				
n-Butylbenzene	2.18	0.100	2.000	0	109	69.8	138				
1,2-Dichlorobenzene	1.98	0.100	2.000	0	99.0	74.2	123				
1,2-Dibromo-3-chloropropane	1.76	0.100	2.000	0	87.8	66.1	138				
1,2,4-Trimethylbenzene	2.02	0.100	2.000	0	101	72.3	133				
Hexachlorobutadiene	2.70	0.400	2.000	0	135	60.9	141				
Naphthalene	2.06	0.100	2.000	0	103	58.2	140				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

D Dilution was required  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

E Value above quantitation range  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Work Order:** 1301105  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R7283</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>1/24/2013</b>	RunNo: <b>7283</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R7283</b>		Analysis Date: <b>1/24/2013</b>	SeqNo: <b>143993</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichlorobenzene	2.02	0.400	2.000	0	101	61.3	133				
Surr: 1-Bromo-4-fluorobenzene-BFB	1.07		1.000		107	74.8	123				
Surr: Dibromofluoromethane	1.06		1.000		106	78.5	114				
Surr: Toluene-d8	1.05		1.000		105	83.5	113				

**NOTES:**

S - Outlying spike recoveries observed (Dichlorodifluoromethane; high bias). The samples were non-detect. No further action required.

Sample ID: <b>LCS-D-R7283</b>	SampType: <b>LCS-D</b>	Units: <b>µg/L</b>	Prep Date: <b>1/24/2013</b>	RunNo: <b>7283</b>							
Client ID: <b>LCSW02</b>	Batch ID: <b>R7283</b>		Analysis Date: <b>1/24/2013</b>	SeqNo: <b>143994</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane	2.74	0.100	2.000	0	137	45.1	121	2.695	1.66	30	S
Chloromethane	1.97	0.100	2.000	0	98.6	42.5	131	1.745	12.2	30	
Vinyl chloride	2.34	0.0200	2.000	0	117	56.2	130	2.191	6.58	30	
Bromomethane	1.99	0.100	2.000	0	99.6	45.4	138	1.646	19.0	30	
Trichlorofluoromethane	2.21	0.100	2.000	0	110	64.7	129	1.997	9.99	30	
Chloroethane	1.86	0.100	2.000	0	93.2	62.5	123	1.819	2.50	30	
1,1-Dichloroethene	2.04	0.100	2.000	0	102	60.7	146	2.032	0.589	30	
Methylene chloride	1.96	0.100	2.000	0	97.8	60.3	135	1.909	2.43	30	
trans-1,2-Dichloroethene	1.96	0.100	2.000	0	97.8	71.3	129	1.874	4.23	30	
Methyl tert-butyl ether (MTBE)	1.95	0.100	2.000	0	97.5	75.4	123	1.697	13.8	30	
1,1-Dichloroethane	2.00	0.100	2.000	0	99.9	71.3	129	1.955	2.18	30	
2,2-Dichloropropane	2.27	0.200	2.000	0	113	37.8	132	2.458	8.04	30	
cis-1,2-Dichloroethene	2.25	0.100	2.000	0	112	67.5	127	2.192	2.52	30	
Chloroform	2.19	0.100	2.000	0	110	70.3	123	2.139	2.45	30	
1,1,1-Trichloroethane (TCA)	2.02	0.100	2.000	0	101	67.9	134	1.881	7.37	30	
1,1-Dichloropropene	2.16	0.100	2.000	0	108	72.1	133	2.001	7.87	30	
Carbon tetrachloride	1.94	0.100	2.000	0	97.2	68	136	1.462	28.3	30	
1,2-Dichloroethane	2.09	0.100	2.000	0	105	65.8	126	2.056	1.83	30	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1301105  
 CLIENT: G-Logics  
 Project: Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-D-R7283</b>	SampType: <b>LCS-D</b>	Units: <b>µg/L</b>	Prep Date: <b>1/24/2013</b>	RunNo: <b>7283</b>
Client ID: <b>LCSW02</b>	Batch ID: <b>R7283</b>		Analysis Date: <b>1/24/2013</b>	SeqNo: <b>143994</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2.19	0.100	2.000	0	110	75.2	124	2.103	4.05	30	
Trichloroethene (TCE)	2.12	0.100	2.000	0	106	71.9	130	2.046	3.41	30	
1,2-Dichloropropane	2.25	0.100	2.000	0	112	71.9	131	2.189	2.70	30	
Dichlorobromomethane	2.16	0.100	2.000	0	108	70	130	2.027	6.12	30	
Dibromomethane	2.03	0.100	2.000	0	101	74.2	125	1.908	6.15	30	
cis-1,3-Dichloropropene	2.18	0.100	2.000	0	109	62.8	135	1.637	28.4	30	
Toluene	2.23	0.100	2.000	0	111	75.2	129	2.101	5.87	30	
trans-1,3-Dichloropropene	2.13	0.100	2.000	0	106	58.1	138	1.848	14.0	30	
1,1,2-Trichloroethane	2.14	0.100	2.000	0	107	65.4	128	2.065	3.61	30	
1,3-Dichloropropane	2.17	0.100	2.000	0	108	71.9	131	1.935	11.4	30	
Tetrachloroethene (PCE)	2.05	0.100	2.000	0	103	52.4	140	2.154	4.80	30	
Dibromochloromethane	2.01	0.100	2.000	0	100	68.7	139	1.848	8.20	30	
1,2-Dibromoethane (EDB)	2.11	0.00100	2.000	0	106	71.2	129	1.729	20.0	30	
Chlorobenzene	2.09	0.100	2.000	0	105	77.2	122	2.018	3.55	30	
1,1,1,2-Tetrachloroethane	2.06	0.100	2.000	0	103	76.2	130	1.867	9.73	30	
Ethylbenzene	2.09	0.100	2.000	0	104	78	127	1.960	6.32	30	
m,p-Xylene	4.18	0.100	4.000	0	104	77.5	130	4.033	3.56	30	
o-Xylene	2.30	0.100	2.000	0	115	77.6	126	2.219	3.41	30	
Styrene	2.53	0.100	2.000	0	126	66.8	137	2.390	5.57	30	
Isopropylbenzene	2.07	0.100	2.000	0	103	75.9	133	1.991	3.75	30	
Bromoform	2.03	0.100	2.000	0	101	69.9	142	1.852	9.02	30	
1,1,1,2,2-Tetrachloroethane	2.23	0.100	2.000	0	112	68	134	2.128	4.73	30	
n-Propylbenzene	2.10	0.100	2.000	0	105	77.1	133	2.003	4.63	30	
Bromobenzene	2.10	0.100	2.000	0	105	71.1	131	1.987	5.43	30	
1,3,5-Trimethylbenzene	2.12	0.100	2.000	0	106	76.2	133	2.015	4.98	30	
2-Chlorotoluene	2.07	0.100	2.000	0	103	67.1	137	2.017	2.55	30	
4-Chlorotoluene	2.12	0.100	2.000	0	106	70.7	132	2.043	3.84	30	
tert-Butylbenzene	2.25	0.100	2.000	0	113	71.3	139	2.063	8.72	30	
1,2,3-Trichloropropane	1.94	0.100	2.000	0	97.2	70.8	132	1.863	4.20	30	

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

**Work Order:** 1301105  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-D-R7283</b>	SampType: <b>LCS-D</b>	Units: <b>µg/L</b>	Prep Date: <b>1/24/2013</b>	RunNo: <b>7283</b>
Client ID: <b>LCSW02</b>	Batch ID: <b>R7283</b>		Analysis Date: <b>1/24/2013</b>	SeqNo: <b>143994</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2.13	0.200	2.000	0	107	61.4	139	2.007	6.04	30	
sec-Butylbenzene	2.11	0.100	2.000	0	106	77.4	136	2.025	4.16	30	
4-Isopropyltoluene	2.22	0.100	2.000	0	111	78.1	131	2.051	7.69	30	
1,3-Dichlorobenzene	2.16	0.100	2.000	0	108	73.5	125	2.069	4.49	30	
1,4-Dichlorobenzene	1.86	0.100	2.000	0	93.2	71.4	125	1.806	3.21	30	
n-Butylbenzene	2.42	0.100	2.000	0	121	69.8	138	2.181	10.2	30	
1,2-Dichlorobenzene	2.03	0.100	2.000	0	102	74.2	123	1.979	2.54	30	
1,2-Dibromo-3-chloropropane	2.02	0.100	2.000	0	101	66.1	138	1.755	14.2	30	
1,2,4-Trimethylbenzene	2.11	0.100	2.000	0	106	72.3	133	2.025	4.16	30	
Hexachlorobutadiene	2.92	0.400	2.000	0	146	60.9	141	2.703	7.82	30	S
Naphthalene	2.15	0.100	2.000	0	108	58.2	140	2.060	4.37	30	
1,2,3-Trichlorobenzene	2.07	0.400	2.000	0	104	61.3	133	2.016	2.69	30	
Surr: 1-Bromo-4-fluorobenzene-BFB	1.07		1.000		107	74.8	123		0	0	
Surr: Dibromofluoromethane	1.08		1.000		108	78.5	114		0	0	
Surr: Toluene-d8	1.05		1.000		105	83.5	113		0	0	

**NOTES:**

S - Outlying spike recoveries observed (Dichlorodifluoromethane and Hexachlorobutadiene; high bias). The samples were non-detect. No further action required.

Sample ID: <b>MB-R7283</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>1/24/2013</b>	RunNo: <b>7283</b>
Client ID: <b>MBLKW</b>	Batch ID: <b>R7283</b>		Analysis Date: <b>1/24/2013</b>	SeqNo: <b>143998</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	0.100									
Chloromethane	ND	0.100									
Vinyl chloride	ND	0.0200									
Bromomethane	ND	0.100									
Trichlorofluoromethane	ND	0.100									
Chloroethane	ND	0.100									
1,1-Dichloroethene	ND	0.100									

**Qualifiers:** B Analyte detected in the associated Method Blank      D Dilution was required      E Value above quantitation range  
H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits      ND Not detected at the Reporting Limit  
R RPD outside accepted recovery limits      RL Reporting Limit      S Spike recovery outside accepted recovery limits



Date: 1/28/2013

**Work Order:** 1301105  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R7283</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>1/24/2013</b>	RunNo: <b>7283</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R7283</b>		Analysis Date: <b>1/24/2013</b>	SeqNo: <b>143998</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Methylene chloride	ND	0.100									
trans-1,2-Dichloroethene	ND	0.100									
Methyl tert-butyl ether (MTBE)	ND	0.100									
1,1-Dichloroethane	ND	0.100									
2,2-Dichloropropane	ND	0.200									
cis-1,2-Dichloroethene	ND	0.100									
Chloroform	ND	0.100									
1,1,1-Trichloroethane (TCA)	ND	0.100									
1,1-Dichloropropene	ND	0.100									
Carbon tetrachloride	ND	0.100									
1,2-Dichloroethane	ND	0.100									
Benzene	ND	0.100									
Trichloroethene (TCE)	ND	0.100									
1,2-Dichloropropane	ND	0.100									
Dichlorobromomethane	ND	0.100									
Dibromomethane	ND	0.100									
cis-1,3-Dichloropropene	ND	0.100									
Toluene	ND	0.100									
trans-1,3-Dichloropropene	ND	0.100									
1,1,2-Trichloroethane	ND	0.100									
1,3-Dichloropropane	ND	0.100									
Tetrachloroethene (PCE)	ND	0.100									
Dibromochloromethane	ND	0.100									
1,2-Dibromoethane (EDB)	ND	0.00100									
Chlorobenzene	ND	0.100									
1,1,1,2-Tetrachloroethane	ND	0.100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.100									
o-Xylene	ND	0.100									

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1301105  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R7283</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>1/24/2013</b>	RunNo: <b>7283</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R7283</b>		Analysis Date: <b>1/24/2013</b>	SeqNo: <b>143998</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Styrene	ND	0.100									
Isopropylbenzene	ND	0.100									
Bromoform	ND	0.100									
1,1,2,2-Tetrachloroethane	ND	0.100									
n-Propylbenzene	ND	0.100									
Bromobenzene	ND	0.100									
1,3,5-Trimethylbenzene	ND	0.100									
2-Chlorotoluene	ND	0.100									
4-Chlorotoluene	ND	0.100									
tert-Butylbenzene	ND	0.100									
1,2,3-Trichloropropane	ND	0.100									
1,2,4-Trichlorobenzene	ND	0.200									
sec-Butylbenzene	ND	0.100									
4-Isopropyltoluene	ND	0.100									
1,3-Dichlorobenzene	ND	0.100									
1,4-Dichlorobenzene	ND	0.100									
n-Butylbenzene	ND	0.100									
1,2-Dichlorobenzene	ND	0.100									
1,2-Dibromo-3-chloropropane	ND	0.100									
1,2,4-Trimethylbenzene	ND	0.100									
Hexachlorobutadiene	ND	0.400									
Naphthalene	ND	0.100									
1,2,3-Trichlorobenzene	ND	0.400									
Surr: 1-Bromo-4-fluorobenzene-BFB	1.07		1.000		107	74.8	123				
Surr: Dibromofluoromethane	1.05		1.000		105	78.5	114				
Surr: Toluene-d8	1.02		1.000		102	83.5	113				

**Qualifiers:**
B Analyte detected in the associated Method Blank
D Dilution was required
E Value above quantitation range  
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not detected at the Reporting Limit  
R RPD outside accepted recovery limits
RL Reporting Limit
S Spike recovery outside accepted recovery limits

Client Name: **GL**

 Work Order Number: **1301105**

 Logged by: **Clare Griggs**

 Date Received: **1/22/2013 12:15:00 PM**

### Chain of Custody

1. Were custodial seals present? Yes  No  Not Required
2. Is Chain of Custody complete? Yes  No  Not Present
3. How was the sample delivered? Client

### Log In

4. Coolers are present? Yes  No  NA
- Air Sample**
5. Was an attempt made to cool the samples? Yes  No  NA
6. Were all coolers received at a temperature of >0° C to 10.0°C Yes  No  NA
7. Sample(s) in proper container(s)? Yes  No
8. Sufficient sample volume for indicated test(s)? Yes  No
9. Are samples properly preserved? Yes  No
10. Was preservative added to bottles? Yes  No  NA
11. Is there headspace present in VOA vials? Yes  No  NA
12. Did all sample containers arrive in good condition?(unbroken) Yes  No
13. Does paperwork match bottle labels? Yes  No
14. Are matrices correctly identified on Chain of Custody? Yes  No
15. Is it clear what analyses were requested? Yes  No
16. Were all holding times able to be met? Yes  No

### Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks/Discrepancies

### Item Information



**Fremont**  
Analytical

1311 N. 35th Street  
Seattle, WA 98103  
Tel: 206-352-3790  
Fax: 206-352-7178

Client: B-Logics

Address:

City, State, Zip

Tel: 725-391-6874

Project Name:

Location:

Collected by:

Date: 1-22-13

# Chain of Custody Record

Laboratory Project No (Internal): ~~1301105~~ 1301105

Page: 1 of: 1

Farmer Thinker Toys

Bellvue

D. Hatch 253 389 5334

Project No: DI-0739B

Email:

Fax:

Reports To (PM):

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	Comments/Depth
1. <u>Ex Stack</u>	<u>1/22/13</u>	<u>1145</u>	<u>A1</u>	<u>X</u>
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

\*Metals Analysis (Crde): MTCA-5 PCRA-8 Priority Pollutants TAL Individual: Ag Al As B Bi Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sn Se Sr Ss Ti Tl U V Zn

\*\*Anions (Crde): Nitrate Nitrite Chloride Sulfate Bromide Fluoride Nitrate+Nitrite

Sample Disposal:  Return to Client  Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Relinquished Date/Time  
x Don Hatch 1/22/13 12:15

Received Date/Time  
Sherry G. ... 1/22/13 12:15

Special Remarks:

TAT -> Next Day 2 Day 3 Day 7  
SID



1311 N. 35th St.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**G-Logics**

Dan Hatch  
40 Second Ave. SE  
Issaquah, Washington 98027

**RE: Former Thinker Toys**

**Lab ID: 1301156**

February 07, 2013

**Attention Dan Hatch:**

Fremont Analytical, Inc. received 10 sample(s) on 1/31/2013 for the analyses presented in the following report.

***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee  
Sr. Chemist / Principal





Date: 02/07/2013

**CLIENT:** G-Logics  
**Project:** Former Thinker Toys  
**Lab Order:** 1301156

## Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1301156-001	SVE-1	01/31/2013 12:00 AM	01/31/2013 2:30 PM
1301156-002	SVE-2	01/31/2013 12:00 AM	01/31/2013 2:30 PM
1301156-003	SVE-3	01/31/2013 12:00 AM	01/31/2013 2:30 PM
1301156-004	SVE-4	01/31/2013 12:00 AM	01/31/2013 2:30 PM
1301156-005	SVE-5	01/31/2013 12:00 AM	01/31/2013 2:30 PM
1301156-006	SVE-6	01/31/2013 12:00 AM	01/31/2013 2:30 PM
1301156-007	SVE-7	01/31/2013 12:00 AM	01/31/2013 2:30 PM
1301156-008	SVE-8	01/31/2013 1:30 PM	01/31/2013 2:30 PM
1301156-009	SVE-9	01/31/2013 1:30 PM	01/31/2013 2:30 PM
1301156-010	Exhaust Stack	01/31/2013 1:45 PM	01/31/2013 2:30 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

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**I. SAMPLE RECEIPT:**

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



# Analytical Report

WO#: 1301156

Date Reported: 2/7/2013

**Client:** G-Logics

**Collection Date:** 1/31/2013

**Project:** Former Thinker Toys

**Lab ID:** 1301156-001

**Matrix:** Air

**Client Sample ID:** SVE-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7342

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
Chloromethane	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
Vinyl chloride	ND	0.0200		µg/L	1	2/1/2013 11:34:00 AM
Bromomethane	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
Trichlorofluoromethane	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
Chloroethane	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
1,1-Dichloroethene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
Methylene chloride	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
1,1-Dichloroethane	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
2,2-Dichloropropane	ND	0.200		µg/L	1	2/1/2013 11:34:00 AM
<b>cis-1,2-Dichloroethene</b>	<b>1.06</b>	0.100		µg/L	1	2/1/2013 11:34:00 AM
Chloroform	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
1,1-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
Carbon tetrachloride	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
1,2-Dichloroethane	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
Benzene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
<b>Trichloroethene (TCE)</b>	<b>0.445</b>	0.100		µg/L	1	2/1/2013 11:34:00 AM
1,2-Dichloropropane	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
Dichlorobromomethane	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
Dibromomethane	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
<b>Toluene</b>	<b>0.123</b>	0.100		µg/L	1	2/1/2013 11:34:00 AM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
1,3-Dichloropropane	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
<b>Tetrachloroethene (PCE)</b>	<b>10.8</b>	2.00	DH	µg/L	20	2/4/2013 8:50:00 AM
Dibromochloromethane	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	2/1/2013 11:34:00 AM
Chlorobenzene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
Ethylbenzene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
m,p-Xylene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1301156

Date Reported: 2/7/2013

**Client:** G-Logics

**Collection Date:** 1/31/2013

**Project:** Former Thinker Toys

**Lab ID:** 1301156-001

**Matrix:** Air

**Client Sample ID:** SVE-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7342

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
Styrene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
Isopropylbenzene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
Bromoform	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
n-Propylbenzene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
Bromobenzene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
2-Chlorotoluene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
4-Chlorotoluene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
tert-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	2/1/2013 11:34:00 AM
sec-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
4-Isopropyltoluene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
n-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
Hexachlorobutadiene	ND	0.400		µg/L	1	2/1/2013 11:34:00 AM
Naphthalene	ND	0.100		µg/L	1	2/1/2013 11:34:00 AM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	2/1/2013 11:34:00 AM
Surr: 1-Bromo-4-fluorobenzene	111	74.8-123		%REC	1	2/1/2013 11:34:00 AM
Surr: Dibromofluoromethane	97.0	74.7-124		%REC	1	2/1/2013 11:34:00 AM
Surr: Toluene-d8	98.0	83.5-113		%REC	1	2/1/2013 11:34:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1301156

Date Reported: 2/7/2013

**Client:** G-Logics

**Collection Date:** 1/31/2013

**Project:** Former Thinker Toys

**Lab ID:** 1301156-002

**Matrix:** Air

**Client Sample ID:** SVE-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7342

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
Chloromethane	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	2/1/2013 12:03:00 PM
Bromomethane	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
Chloroethane	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
Methylene chloride	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	2/1/2013 12:03:00 PM
<b>cis-1,2-Dichloroethene</b>	<b>1.04</b>	0.100		µg/L	1	2/1/2013 12:03:00 PM
Chloroform	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
Benzene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
<b>Trichloroethene (TCE)</b>	<b>0.466</b>	0.100		µg/L	1	2/1/2013 12:03:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
Dibromomethane	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
<b>Toluene</b>	<b>0.132</b>	0.100		µg/L	1	2/1/2013 12:03:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>5.64</b>	2.00	DH	µg/L	20	2/4/2013 9:20:00 AM
Dibromochloromethane	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	2/1/2013 12:03:00 PM
Chlorobenzene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
Ethylbenzene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
<b>m,p-Xylene</b>	<b>0.190</b>	0.100		µg/L	1	2/1/2013 12:03:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1301156

Date Reported: 2/7/2013

**Client:** G-Logics

**Collection Date:** 1/31/2013

**Project:** Former Thinker Toys

**Lab ID:** 1301156-002

**Matrix:** Air

**Client Sample ID:** SVE-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7342

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
Styrene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
Bromoform	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
Bromobenzene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	2/1/2013 12:03:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	2/1/2013 12:03:00 PM
Naphthalene	ND	0.100		µg/L	1	2/1/2013 12:03:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	2/1/2013 12:03:00 PM
Surr: 1-Bromo-4-fluorobenzene	116	74.8-123		%REC	1	2/1/2013 12:03:00 PM
Surr: Dibromofluoromethane	94.1	74.7-124		%REC	1	2/1/2013 12:03:00 PM
Surr: Toluene-d8	96.0	83.5-113		%REC	1	2/1/2013 12:03:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1301156

Date Reported: 2/7/2013

**Client:** G-Logics

**Collection Date:** 1/31/2013

**Project:** Former Thinker Toys

**Lab ID:** 1301156-003

**Matrix:** Air

**Client Sample ID:** SVE-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7342

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
Chloromethane	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	2/1/2013 12:33:00 PM
Bromomethane	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
Chloroethane	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
Methylene chloride	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	2/1/2013 12:33:00 PM
<b>cis-1,2-Dichloroethene</b>	<b>1.03</b>	0.100		µg/L	1	2/1/2013 12:33:00 PM
Chloroform	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
Benzene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
<b>Trichloroethene (TCE)</b>	<b>0.460</b>	0.100		µg/L	1	2/1/2013 12:33:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
Dibromomethane	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
<b>Toluene</b>	<b>0.125</b>	0.100		µg/L	1	2/1/2013 12:33:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>15.8</b>	2.00	DH	µg/L	20	2/4/2013 9:49:00 AM
Dibromochloromethane	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	2/1/2013 12:33:00 PM
Chlorobenzene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
Ethylbenzene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
m,p-Xylene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1301156

Date Reported: 2/7/2013

**Client:** G-Logics

**Collection Date:** 1/31/2013

**Project:** Former Thinker Toys

**Lab ID:** 1301156-003

**Matrix:** Air

**Client Sample ID:** SVE-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7342

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
Styrene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
Bromoform	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
Bromobenzene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	2/1/2013 12:33:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	2/1/2013 12:33:00 PM
Naphthalene	ND	0.100		µg/L	1	2/1/2013 12:33:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	2/1/2013 12:33:00 PM
Surr: 1-Bromo-4-fluorobenzene	117	74.8-123		%REC	1	2/1/2013 12:33:00 PM
Surr: Dibromofluoromethane	94.3	74.7-124		%REC	1	2/1/2013 12:33:00 PM
Surr: Toluene-d8	95.1	83.5-113		%REC	1	2/1/2013 12:33:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1301156

Date Reported: 2/7/2013

**Client:** G-Logics

**Collection Date:** 1/31/2013

**Project:** Former Thinker Toys

**Lab ID:** 1301156-004

**Matrix:** Air

**Client Sample ID:** SVE-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7342

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
Chloromethane	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	2/1/2013 1:02:00 PM
Bromomethane	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
Chloroethane	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
Methylene chloride	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	2/1/2013 1:02:00 PM
<b>cis-1,2-Dichloroethene</b>	<b>0.981</b>	0.100		µg/L	1	2/1/2013 1:02:00 PM
Chloroform	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
Benzene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
<b>Trichloroethene (TCE)</b>	<b>0.546</b>	0.100		µg/L	1	2/1/2013 1:02:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
Dibromomethane	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
<b>Toluene</b>	<b>0.125</b>	0.100		µg/L	1	2/1/2013 1:02:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>18.3</b>	5.00	DH	µg/L	50	2/4/2013 10:19:00 AM
Dibromochloromethane	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	2/1/2013 1:02:00 PM
Chlorobenzene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
Ethylbenzene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
m,p-Xylene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1301156

Date Reported: 2/7/2013

**Client:** G-Logics

**Collection Date:** 1/31/2013

**Project:** Former Thinker Toys

**Lab ID:** 1301156-004

**Matrix:** Air

**Client Sample ID:** SVE-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7342

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
Styrene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
Bromoform	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
Bromobenzene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	2/1/2013 1:02:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	2/1/2013 1:02:00 PM
Naphthalene	ND	0.100		µg/L	1	2/1/2013 1:02:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	2/1/2013 1:02:00 PM
Surr: 1-Bromo-4-fluorobenzene	116	74.8-123		%REC	1	2/1/2013 1:02:00 PM
Surr: Dibromofluoromethane	90.4	74.7-124		%REC	1	2/1/2013 1:02:00 PM
Surr: Toluene-d8	91.9	83.5-113		%REC	1	2/1/2013 1:02:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1301156

Date Reported: 2/7/2013

**Client:** G-Logics

**Collection Date:** 1/31/2013

**Project:** Former Thinker Toys

**Lab ID:** 1301156-005

**Matrix:** Air

**Client Sample ID:** SVE-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7342

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
Chloromethane	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	2/1/2013 1:32:00 PM
Bromomethane	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
Chloroethane	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
Methylene chloride	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	2/1/2013 1:32:00 PM
<b>cis-1,2-Dichloroethene</b>	<b>0.618</b>	0.100		µg/L	1	2/1/2013 1:32:00 PM
Chloroform	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
Benzene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
<b>Trichloroethene (TCE)</b>	<b>1.06</b>	0.100		µg/L	1	2/1/2013 1:32:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
Dibromomethane	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
<b>Toluene</b>	<b>0.147</b>	0.100		µg/L	1	2/1/2013 1:32:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>45.0</b>	5.00	DH	µg/L	50	2/4/2013 10:50:00 AM
Dibromochloromethane	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	2/1/2013 1:32:00 PM
Chlorobenzene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
Ethylbenzene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
m,p-Xylene	0.192	0.100		µg/L	1	2/1/2013 1:32:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 1/31/2013

**Project:** Former Thinker Toys

**Lab ID:** 1301156-005

**Matrix:** Air

**Client Sample ID:** SVE-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7342

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
Styrene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
Bromoform	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
Bromobenzene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	2/1/2013 1:32:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	2/1/2013 1:32:00 PM
Naphthalene	ND	0.100		µg/L	1	2/1/2013 1:32:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	2/1/2013 1:32:00 PM
Surr: 1-Bromo-4-fluorobenzene	120	74.8-123		%REC	1	2/1/2013 1:32:00 PM
Surr: Dibromofluoromethane	88.4	74.7-124		%REC	1	2/1/2013 1:32:00 PM
Surr: Toluene-d8	94.5	83.5-113		%REC	1	2/1/2013 1:32:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1301156

Date Reported: 2/7/2013

**Client:** G-Logics

**Collection Date:** 1/31/2013

**Project:** Former Thinker Toys

**Lab ID:** 1301156-006

**Matrix:** Air

**Client Sample ID:** SVE-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7342

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
Chloromethane	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	2/1/2013 2:02:00 PM
Bromomethane	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
Chloroethane	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
Methylene chloride	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	2/1/2013 2:02:00 PM
<b>cis-1,2-Dichloroethene</b>	<b>0.246</b>	0.100		µg/L	1	2/1/2013 2:02:00 PM
Chloroform	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
Benzene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
<b>Trichloroethene (TCE)</b>	<b>0.716</b>	0.100		µg/L	1	2/1/2013 2:02:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
Dibromomethane	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
<b>Toluene</b>	<b>0.130</b>	0.100		µg/L	1	2/1/2013 2:02:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>77.6</b>	5.00	DH	µg/L	50	2/4/2013 11:20:00 AM
Dibromochloromethane	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	2/1/2013 2:02:00 PM
Chlorobenzene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
Ethylbenzene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
m,p-Xylene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1301156

Date Reported: 2/7/2013

**Client:** G-Logics

**Collection Date:** 1/31/2013

**Project:** Former Thinker Toys

**Lab ID:** 1301156-006

**Matrix:** Air

**Client Sample ID:** SVE-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7342

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
Styrene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
Bromoform	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
Bromobenzene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	2/1/2013 2:02:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	2/1/2013 2:02:00 PM
Naphthalene	ND	0.100		µg/L	1	2/1/2013 2:02:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	2/1/2013 2:02:00 PM
Surr: 1-Bromo-4-fluorobenzene	119	74.8-123		%REC	1	2/1/2013 2:02:00 PM
Surr: Dibromofluoromethane	89.8	74.7-124		%REC	1	2/1/2013 2:02:00 PM
Surr: Toluene-d8	93.4	83.5-113		%REC	1	2/1/2013 2:02:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1301156

Date Reported: 2/7/2013

**Client:** G-Logics

**Collection Date:** 1/31/2013

**Project:** Former Thinker Toys

**Lab ID:** 1301156-007

**Matrix:** Air

**Client Sample ID:** SVE-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7342

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
Chloromethane	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	2/1/2013 2:31:00 PM
Bromomethane	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
Chloroethane	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
Methylene chloride	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	2/1/2013 2:31:00 PM
<b>cis-1,2-Dichloroethene</b>	<b>0.388</b>	<b>0.100</b>		µg/L	1	2/1/2013 2:31:00 PM
Chloroform	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
Benzene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
<b>Trichloroethene (TCE)</b>	<b>0.712</b>	<b>0.100</b>		µg/L	1	2/1/2013 2:31:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
Dibromomethane	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
<b>Toluene</b>	<b>0.139</b>	0.100		µg/L	1	2/1/2013 2:31:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>57.2</b>	5.00	DH	µg/L	50	2/4/2013 11:51:00 AM
Dibromochloromethane	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	2/1/2013 2:31:00 PM
Chlorobenzene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
Ethylbenzene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
<b>m,p-Xylene</b>	<b>0.187</b>	0.100		µg/L	1	2/1/2013 2:31:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1301156

Date Reported: 2/7/2013

**Client:** G-Logics

**Collection Date:** 1/31/2013

**Project:** Former Thinker Toys

**Lab ID:** 1301156-007

**Matrix:** Air

**Client Sample ID:** SVE-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7342

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
Styrene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
Bromoform	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
Bromobenzene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	2/1/2013 2:31:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	2/1/2013 2:31:00 PM
Naphthalene	ND	0.100		µg/L	1	2/1/2013 2:31:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	2/1/2013 2:31:00 PM
Surr: 1-Bromo-4-fluorobenzene	116	74.8-123		%REC	1	2/1/2013 2:31:00 PM
Surr: Dibromofluoromethane	88.7	74.7-124		%REC	1	2/1/2013 2:31:00 PM
Surr: Toluene-d8	90.6	83.5-113		%REC	1	2/1/2013 2:31:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1301156

Date Reported: 2/7/2013

**Client:** G-Logics

**Collection Date:** 1/31/2013 1:30:00 PM

**Project:** Former Thinker Toys

**Lab ID:** 1301156-008

**Matrix:** Air

**Client Sample ID:** SVE-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7342

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
Chloromethane	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	2/1/2013 3:01:00 PM
Bromomethane	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
Chloroethane	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
Methylene chloride	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	2/1/2013 3:01:00 PM
<b>cis-1,2-Dichloroethene</b>	<b>0.349</b>	0.100		µg/L	1	2/1/2013 3:01:00 PM
Chloroform	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
Benzene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
<b>Trichloroethene (TCE)</b>	<b>0.373</b>	0.100		µg/L	1	2/1/2013 3:01:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
Dibromomethane	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
<b>Toluene</b>	<b>0.134</b>	0.100		µg/L	1	2/1/2013 3:01:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>19.7</b>	2.00	DH	µg/L	20	2/4/2013 12:22:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	2/1/2013 3:01:00 PM
Chlorobenzene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
Ethylbenzene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
<b>m,p-Xylene</b>	<b>0.203</b>	0.100		µg/L	1	2/1/2013 3:01:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 1/31/2013 1:30:00 PM

**Project:** Former Thinker Toys

**Lab ID:** 1301156-008

**Matrix:** Air

**Client Sample ID:** SVE-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7342

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
Styrene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
Bromoform	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
Bromobenzene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	2/1/2013 3:01:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	2/1/2013 3:01:00 PM
Naphthalene	ND	0.100		µg/L	1	2/1/2013 3:01:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	2/1/2013 3:01:00 PM
Surr: 1-Bromo-4-fluorobenzene	108	74.8-123		%REC	1	2/1/2013 3:01:00 PM
Surr: Dibromofluoromethane	73.3	74.7-124	S	%REC	1	2/1/2013 3:01:00 PM
Surr: Toluene-d8	85.9	83.5-113		%REC	1	2/1/2013 3:01:00 PM

**NOTES:**

S - Outlying surrogate recovery observed. All other field and laboratory samples were within range.

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1301156

Date Reported: 2/7/2013

**Client:** G-Logics

**Collection Date:** 1/31/2013 1:30:00 PM

**Project:** Former Thinker Toys

**Lab ID:** 1301156-009

**Matrix:** Air

**Client Sample ID:** SVE-9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7342

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
Chloromethane	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	2/1/2013 3:31:00 PM
Bromomethane	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
Chloroethane	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
Methylene chloride	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	2/1/2013 3:31:00 PM
<b>cis-1,2-Dichloroethene</b>	<b>0.312</b>	0.100		µg/L	1	2/1/2013 3:31:00 PM
Chloroform	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
Benzene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
<b>Trichloroethene (TCE)</b>	<b>0.256</b>	0.100		µg/L	1	2/1/2013 3:31:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
Dibromomethane	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
<b>Toluene</b>	<b>0.123</b>	0.100		µg/L	1	2/1/2013 3:31:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>14.4</b>	2.00	DH	µg/L	20	2/4/2013 12:52:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	2/1/2013 3:31:00 PM
Chlorobenzene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
Ethylbenzene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
m,p-Xylene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1301156

Date Reported: 2/7/2013

**Client:** G-Logics

**Collection Date:** 1/31/2013 1:30:00 PM

**Project:** Former Thinker Toys

**Lab ID:** 1301156-009

**Matrix:** Air

**Client Sample ID:** SVE-9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7342

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
Styrene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
Bromoform	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
Bromobenzene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	2/1/2013 3:31:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	2/1/2013 3:31:00 PM
Naphthalene	ND	0.100		µg/L	1	2/1/2013 3:31:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	2/1/2013 3:31:00 PM
Surr: 1-Bromo-4-fluorobenzene	110	74.8-123		%REC	1	2/1/2013 3:31:00 PM
Surr: Dibromofluoromethane	88.5	74.7-124		%REC	1	2/1/2013 3:31:00 PM
Surr: Toluene-d8	90.4	83.5-113		%REC	1	2/1/2013 3:31:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1301156

Date Reported: 2/7/2013

**Client:** G-Logics

**Collection Date:** 1/31/2013 1:45:00 PM

**Project:** Former Thinker Toys

**Lab ID:** 1301156-010

**Matrix:** Air

**Client Sample ID:** Exhaust Stack

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7342

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
Chloromethane	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	2/1/2013 4:01:00 PM
Bromomethane	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
Chloroethane	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
Methylene chloride	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	2/1/2013 4:01:00 PM
<b>cis-1,2-Dichloroethene</b>	<b>0.453</b>	0.100		µg/L	1	2/1/2013 4:01:00 PM
Chloroform	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
Benzene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
<b>Trichloroethene (TCE)</b>	<b>0.475</b>	0.100		µg/L	1	2/1/2013 4:01:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
Dibromomethane	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
Toluene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>40.4</b>	5.00	DH	µg/L	50	2/4/2013 1:23:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	2/1/2013 4:01:00 PM
Chlorobenzene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
Ethylbenzene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
m,p-Xylene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1301156

Date Reported: 2/7/2013

**Client:** G-Logics

**Collection Date:** 1/31/2013 1:45:00 PM

**Project:** Former Thinker Toys

**Lab ID:** 1301156-010

**Matrix:** Air

**Client Sample ID:** Exhaust Stack

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7342

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
Styrene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
Bromoform	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
Bromobenzene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	2/1/2013 4:01:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	2/1/2013 4:01:00 PM
Naphthalene	ND	0.100		µg/L	1	2/1/2013 4:01:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	2/1/2013 4:01:00 PM
Surr: 1-Bromo-4-fluorobenzene	118	74.8-123		%REC	1	2/1/2013 4:01:00 PM
Surr: Dibromofluoromethane	89.3	74.7-124		%REC	1	2/1/2013 4:01:00 PM
Surr: Toluene-d8	91.3	83.5-113		%REC	1	2/1/2013 4:01:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Work Order:** 1301156  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R7342</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>2/1/2013</b>	RunNo: <b>7342</b>
Client ID: <b>LCSW</b>	Batch ID: <b>R7342</b>		Analysis Date: <b>2/1/2013</b>	SeqNo: <b>144844</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	4.71	0.100	4.000	0	118	46.2	132				
Chloromethane	4.87	0.100	4.000	0	122	42.5	131				
Vinyl chloride	5.00	0.0200	4.000	0	125	56.2	130				
Bromomethane	2.99	0.100	4.000	0	74.7	45.4	138				
Trichlorofluoromethane	4.38	0.100	4.000	0	110	64.7	129				
Chloroethane	4.28	0.100	4.000	0	107	62.5	123				
1,1-Dichloroethene	5.09	0.100	4.000	0	127	60.7	146				
Methylene chloride	5.40	0.100	4.000	0	135	60.3	135				
trans-1,2-Dichloroethene	4.30	0.100	4.000	0	107	71.3	129				
Methyl tert-butyl ether (MTBE)	4.83	0.100	4.000	0	121	75.4	123				
1,1-Dichloroethane	5.22	0.100	4.000	0	131	71.3	129				S
2,2-Dichloropropane	2.90	0.200	4.000	0	72.4	37.8	132				
cis-1,2-Dichloroethene	4.06	0.100	4.000	0	102	67.5	127				
Chloroform	4.37	0.100	4.000	0	109	70.3	123				
1,1,1-Trichloroethane (TCA)	4.25	0.100	4.000	0	106	67.9	134				
1,1-Dichloropropene	4.93	0.100	4.000	0	123	72.1	133				
Carbon tetrachloride	4.26	0.100	4.000	0	107	68	136				
1,2-Dichloroethane	5.34	0.100	4.000	0	134	65.8	126				S
Benzene	5.02	0.100	4.000	0	126	75.2	124				S
Trichloroethene (TCE)	4.85	0.100	4.000	0	121	71.9	130				
1,2-Dichloropropane	5.05	0.100	4.000	0	126	71.9	131				
Dichlorobromomethane	4.79	0.100	4.000	0	120	70	130				
Dibromomethane	4.56	0.100	4.000	0	114	74.2	125				
cis-1,3-Dichloropropene	4.73	0.100	4.000	0	118	62.8	135				
Toluene	4.41	0.100	4.000	0	110	75.2	129				
trans-1,3-Dichloropropene	4.92	0.100	4.000	0	123	58.1	138				
1,1,2-Trichloroethane	4.58	0.100	4.000	0	114	65.4	128				
1,3-Dichloropropane	4.92	0.100	4.000	0	123	71.9	131				
Tetrachloroethene (PCE)	3.16	0.100	4.000	0	78.9	52.4	140				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

**Work Order:** 1301156  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R7342</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>2/1/2013</b>	RunNo: <b>7342</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R7342</b>		Analysis Date: <b>2/1/2013</b>	SeqNo: <b>144844</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	3.97	0.100	4.000	0	99.2	68.7	139				
1,2-Dibromoethane (EDB)	4.23	0.00100	4.000	0	106	71.2	129				
Chlorobenzene	4.15	0.100	4.000	0	104	77.2	122				
1,1,1,2-Tetrachloroethane	4.40	0.100	4.000	0	110	76.2	130				
Ethylbenzene	4.36	0.100	4.000	0	109	78	127				
m,p-Xylene	8.89	0.100	8.000	0	111	77.5	130				
o-Xylene	4.44	0.100	4.000	0	111	77.6	126				
Styrene	3.79	0.100	4.000	0	94.7	66.8	137				
Isopropylbenzene	4.19	0.100	4.000	0	105	75.9	133				
Bromoform	3.37	0.100	4.000	0	84.2	69.9	142				
1,1,2,2-Tetrachloroethane	4.21	0.100	4.000	0	105	68	134				
n-Propylbenzene	4.39	0.100	4.000	0	110	77.1	133				
Bromobenzene	5.04	0.100	4.000	0	126	71.1	131				
1,3,5-Trimethylbenzene	4.30	0.100	4.000	0	108	76.2	133				
2-Chlorotoluene	4.64	0.100	4.000	0	116	67.1	137				
4-Chlorotoluene	4.60	0.100	4.000	0	115	70.7	132				
tert-Butylbenzene	4.16	0.100	4.000	0	104	71.3	139				
1,2,3-Trichloropropane	5.04	0.100	4.000	0	126	70.8	132				
1,2,4-Trichlorobenzene	3.23	0.200	4.000	0	80.7	61.4	139				
sec-Butylbenzene	4.19	0.100	4.000	0	105	77.4	136				
4-Isopropyltoluene	4.24	0.100	4.000	0	106	78.1	131				
1,3-Dichlorobenzene	3.52	0.100	4.000	0	87.9	73.5	125				
1,4-Dichlorobenzene	3.57	0.100	4.000	0	89.2	71.4	125				
n-Butylbenzene	4.36	0.100	4.000	0	109	69.8	138				
1,2-Dichlorobenzene	3.52	0.100	4.000	0	88.0	74.2	123				
1,2-Dibromo-3-chloropropane	5.29	0.100	4.000	0	132	66.1	138				
1,2,4-Trimethylbenzene	4.18	0.100	4.000	0	104	72.3	133				
Hexachlorobutadiene	3.23	0.400	4.000	0	80.6	60.9	141				
Naphthalene	4.23	0.100	4.000	0	106	58.2	140				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits



**Work Order:** 1301156  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R7342</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>2/1/2013</b>	RunNo: <b>7342</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R7342</b>		Analysis Date: <b>2/1/2013</b>	SeqNo: <b>144844</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichlorobenzene	3.11	0.400	4.000	0	77.6	61.3	133				
Surr: 1-Bromo-4-fluorobenzene-BFB	1.03		1.000		103	74.8	123				
Surr: Dibromofluoromethane	0.863		1.000		86.3	74.7	124				
Surr: Toluene-d8	0.885		1.000		88.5	83.5	113				

**NOTES:**

S - Outlying QC recoveries were associated with this sample (high bias). There were no detections of these analytes in the samples. The method is in control as indicated by the LCS Duplicate and the Continuing Calibration Verification (CCV).

Sample ID: <b>LCS-D-R7342</b>	SampType: <b>LCS-D</b>	Units: <b>µg/L</b>	Prep Date: <b>2/1/2013</b>	RunNo: <b>7342</b>							
Client ID: <b>LCSW02</b>	Batch ID: <b>R7342</b>		Analysis Date: <b>2/1/2013</b>	SeqNo: <b>144845</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane	4.23	0.100	4.000	0	106	46.2	132	4.711	10.7	30	
Chloromethane	4.68	0.100	4.000	0	117	42.5	131	4.868	3.98	30	
Vinyl chloride	4.80	0.0200	4.000	0	120	56.2	130	4.997	4.10	30	
Bromomethane	2.80	0.100	4.000	0	69.9	45.4	138	2.989	6.71	30	
Trichlorofluoromethane	4.19	0.100	4.000	0	105	64.7	129	4.381	4.55	30	
Chloroethane	3.73	0.100	4.000	0	93.3	62.5	123	4.283	13.8	30	
1,1-Dichloroethene	5.01	0.100	4.000	0	125	60.7	146	5.094	1.64	30	
Methylene chloride	5.59	0.100	4.000	0	140	60.3	135	5.396	3.51	30	S
trans-1,2-Dichloroethene	4.14	0.100	4.000	0	103	71.3	129	4.298	3.87	30	
Methyl tert-butyl ether (MTBE)	4.93	0.100	4.000	0	123	75.4	123	4.830	2.01	30	S
1,1-Dichloroethane	4.89	0.100	4.000	0	122	71.3	129	5.222	6.48	30	
2,2-Dichloropropane	2.70	0.200	4.000	0	67.5	37.8	132	2.895	6.93	30	
cis-1,2-Dichloroethene	3.97	0.100	4.000	0	99.3	67.5	127	4.064	2.26	30	
Chloroform	4.08	0.100	4.000	0	102	70.3	123	4.368	6.82	30	
1,1,1-Trichloroethane (TCA)	4.22	0.100	4.000	0	106	67.9	134	4.252	0.755	30	
1,1-Dichloropropene	4.79	0.100	4.000	0	120	72.1	133	4.933	2.98	30	
Carbon tetrachloride	4.20	0.100	4.000	0	105	68	136	4.264	1.44	30	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1301156

CLIENT: G-Logics

Project: Former Thinker Toys

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>LCS-D-R7342</b>	SampType: <b>LCS-D</b>	Units: <b>µg/L</b>	Prep Date: <b>2/1/2013</b>	RunNo: <b>7342</b>							
Client ID: <b>LCSW02</b>	Batch ID: <b>R7342</b>		Analysis Date: <b>2/1/2013</b>	SeqNo: <b>144845</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane	5.50	0.100	4.000	0	138	65.8	126	5.342	3.01	30	S
Benzene	4.85	0.100	4.000	0	121	75.2	124	5.023	3.46	30	
Trichloroethene (TCE)	4.81	0.100	4.000	0	120	71.9	130	4.845	0.767	30	
1,2-Dichloropropane	5.30	0.100	4.000	0	133	71.9	131	5.049	4.89	30	S
Dichlorobromomethane	4.78	0.100	4.000	0	119	70	130	4.786	0.167	30	
Dibromomethane	4.53	0.100	4.000	0	113	74.2	125	4.564	0.748	30	
cis-1,3-Dichloropropene	4.76	0.100	4.000	0	119	62.8	135	4.728	0.569	30	
Toluene	4.26	0.100	4.000	0	107	75.2	129	4.413	3.50	30	
trans-1,3-Dichloropropene	4.70	0.100	4.000	0	118	58.1	138	4.916	4.43	30	
1,1,2-Trichloroethane	4.38	0.100	4.000	0	109	65.4	128	4.576	4.49	30	
1,3-Dichloropropane	4.69	0.100	4.000	0	117	71.9	131	4.922	4.76	30	
Tetrachloroethene (PCE)	3.05	0.100	4.000	0	76.2	52.4	140	3.155	3.48	30	
Dibromochloromethane	3.81	0.100	4.000	0	95.2	68.7	139	3.967	4.09	30	
1,2-Dibromoethane (EDB)	4.23	0.00100	4.000	0	106	71.2	129	4.233	0.118	30	
Chlorobenzene	4.13	0.100	4.000	0	103	77.2	122	4.150	0.459	30	
1,1,1,2-Tetrachloroethane	4.42	0.100	4.000	0	111	76.2	130	4.398	0.522	30	
Ethylbenzene	4.39	0.100	4.000	0	110	78	127	4.358	0.800	30	
m,p-Xylene	8.95	0.100	8.000	0	112	77.5	130	8.892	0.672	30	
o-Xylene	4.26	0.100	4.000	0	106	77.6	126	4.441	4.18	30	
Styrene	3.89	0.100	4.000	0	97.2	66.8	137	3.789	2.53	30	
Isopropylbenzene	4.20	0.100	4.000	0	105	75.9	133	4.185	0.262	30	
Bromoform	3.32	0.100	4.000	0	82.9	69.9	142	3.366	1.47	30	
1,1,1,2,2-Tetrachloroethane	3.24	0.100	4.000	0	81.1	68	134	4.214	26.0	30	
n-Propylbenzene	4.29	0.100	4.000	0	107	77.1	133	4.391	2.37	30	
Bromobenzene	4.91	0.100	4.000	0	123	71.1	131	5.038	2.59	30	
1,3,5-Trimethylbenzene	4.22	0.100	4.000	0	106	76.2	133	4.304	1.92	30	
2-Chlorotoluene	4.41	0.100	4.000	0	110	67.1	137	4.643	5.15	30	
4-Chlorotoluene	4.56	0.100	4.000	0	114	70.7	132	4.597	0.830	30	
tert-Butylbenzene	4.09	0.100	4.000	0	102	71.3	139	4.165	1.72	30	

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

**Work Order:** 1301156  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCSD-R7342</b>	SampType: <b>LCSD</b>	Units: <b>µg/L</b>	Prep Date: <b>2/1/2013</b>	RunNo: <b>7342</b>
Client ID: <b>LCSW02</b>	Batch ID: <b>R7342</b>		Analysis Date: <b>2/1/2013</b>	SeqNo: <b>144845</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	4.82	0.100	4.000	0	120	70.8	132	5.040	4.52	30	
1,2,4-Trichlorobenzene	3.06	0.200	4.000	0	76.5	61.4	139	3.228	5.41	30	
sec-Butylbenzene	4.11	0.100	4.000	0	103	77.4	136	4.192	2.10	30	
4-Isopropyltoluene	4.21	0.100	4.000	0	105	78.1	131	4.236	0.521	30	
1,3-Dichlorobenzene	3.49	0.100	4.000	0	87.2	73.5	125	3.515	0.714	30	
1,4-Dichlorobenzene	3.54	0.100	4.000	0	88.4	71.4	125	3.566	0.817	30	
n-Butylbenzene	4.30	0.100	4.000	0	108	69.8	138	4.361	1.34	30	
1,2-Dichlorobenzene	3.48	0.100	4.000	0	87.0	74.2	123	3.519	1.17	30	
1,2-Dibromo-3-chloropropane	6.02	0.100	4.000	0	150	66.1	138	5.289	12.8	30	S
1,2,4-Trimethylbenzene	4.16	0.100	4.000	0	104	72.3	133	4.175	0.408	30	
Hexachlorobutadiene	3.25	0.400	4.000	0	81.1	60.9	141	3.226	0.587	30	
Naphthalene	4.20	0.100	4.000	0	105	58.2	140	4.232	0.711	30	
1,2,3-Trichlorobenzene	3.10	0.400	4.000	0	77.4	61.3	133	3.105	0.258	30	
Surr: 1-Bromo-4-fluorobenzene-BFB	1.04		1.000		104	74.8	123		0	0	
Surr: Dibromofluoromethane	0.893		1.000		89.3	74.7	124		0	0	
Surr: Toluene-d8	0.866		1.000		86.6	83.5	113		0	0	

**NOTES:**  
S - Outlying QC recoveries were associated with this sample (high bias). There were no detections of these analytes in the samples. The method is in control as indicated by the LCS and CCV.

Sample ID: <b>MB-R7342</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>2/1/2013</b>	RunNo: <b>7342</b>
Client ID: <b>MBLKW</b>	Batch ID: <b>R7342</b>		Analysis Date: <b>2/1/2013</b>	SeqNo: <b>144846</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	0.100									
Chloromethane	ND	0.100									
Vinyl chloride	ND	0.0200									
Bromomethane	ND	0.100									
Trichlorofluoromethane	ND	0.100									
Chloroethane	ND	0.100									

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1301156  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R7342</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>2/1/2013</b>	RunNo: <b>7342</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R7342</b>		Analysis Date: <b>2/1/2013</b>	SeqNo: <b>144846</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	ND	0.100									
Methylene chloride	ND	0.100									
trans-1,2-Dichloroethene	ND	0.100									
Methyl tert-butyl ether (MTBE)	ND	0.100									
1,1-Dichloroethane	ND	0.100									
2,2-Dichloropropane	ND	0.200									
cis-1,2-Dichloroethene	ND	0.100									
Chloroform	ND	0.100									
1,1,1-Trichloroethane (TCA)	ND	0.100									
1,1-Dichloropropene	ND	0.100									
Carbon tetrachloride	ND	0.100									
1,2-Dichloroethane	ND	0.100									
Benzene	ND	0.100									
Trichloroethene (TCE)	ND	0.100									
1,2-Dichloropropane	ND	0.100									
Dichlorobromomethane	ND	0.100									
Dibromomethane	ND	0.100									
cis-1,3-Dichloropropene	ND	0.100									
Toluene	ND	0.100									
trans-1,3-Dichloropropene	ND	0.100									
1,1,2-Trichloroethane	ND	0.100									
1,3-Dichloropropane	ND	0.100									
Tetrachloroethene (PCE)	ND	0.100									
Dibromochloromethane	ND	0.100									
1,2-Dibromoethane (EDB)	ND	0.00100									
Chlorobenzene	ND	0.100									
1,1,1,2-Tetrachloroethane	ND	0.100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.100									

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1301156  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R7342</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>2/1/2013</b>	RunNo: <b>7342</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R7342</b>		Analysis Date: <b>2/1/2013</b>	SeqNo: <b>144846</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	0.100									
Styrene	ND	0.100									
Isopropylbenzene	ND	0.100									
Bromoform	ND	0.100									
1,1,2,2-Tetrachloroethane	ND	0.100									
n-Propylbenzene	ND	0.100									
Bromobenzene	ND	0.100									
1,3,5-Trimethylbenzene	ND	0.100									
2-Chlorotoluene	ND	0.100									
4-Chlorotoluene	ND	0.100									
tert-Butylbenzene	ND	0.100									
1,2,3-Trichloropropane	ND	0.100									
1,2,4-Trichlorobenzene	ND	0.200									
sec-Butylbenzene	ND	0.100									
4-Isopropyltoluene	ND	0.100									
1,3-Dichlorobenzene	ND	0.100									
1,4-Dichlorobenzene	ND	0.100									
n-Butylbenzene	ND	0.100									
1,2-Dichlorobenzene	ND	0.100									
1,2-Dibromo-3-chloropropane	ND	0.100									
1,2,4-Trimethylbenzene	ND	0.100									
Hexachlorobutadiene	ND	0.400									
Naphthalene	ND	0.100									
1,2,3-Trichlorobenzene	ND	0.400									
Surr: 1-Bromo-4-fluorobenzene-BFB	1.08		1.000		108	74.8	123				
Surr: Dibromofluoromethane	0.887		1.000		88.7	74.7	124				
Surr: Toluene-d8	0.881		1.000		88.1	83.5	113				

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1301156  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>CCV-R7342</b>	SampType: <b>CCV</b>	Units: <b>µg/L</b>				Prep Date: <b>2/1/2013</b>	RunNo: <b>7342</b>				
Client ID: <b>CCV</b>	Batch ID: <b>R7342</b>					Analysis Date: <b>2/1/2013</b>	SeqNo: <b>144864</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	39.2	0.100	40.00	0	98.1	80	120				
Methyl tert-butyl ether (MTBE)	44.4	0.100	40.00	0	111	80	120				
1,1-Dichloroethane	43.1	0.100	40.00	0	108	80	120				
1,2-Dichloroethane	40.4	0.100	40.00	0	101	80	120				
Benzene	44.9	0.100	40.00	0	112	80	120				
1,2-Dichloropropane	42.6	0.100	40.00	0	107	80	120				
1,2-Dibromo-3-chloropropane	45.4	0.100	40.00	0	113	80	120				
Surr: 1-Bromo-4-fluorobenzene-BFB	9.36		10.00		93.6	74.8	123				
Surr: Dibromofluoromethane	8.68		10.00		86.8	78.5	114				
Surr: Toluene-d8	8.95		10.00		89.5	83.5	113				

Sample ID: <b>ICV-R7342</b>	SampType: <b>ICV</b>	Units: <b>µg/L</b>				Prep Date: <b>2/4/2013</b>	RunNo: <b>7342</b>				
Client ID: <b>ICV</b>	Batch ID: <b>R7342</b>					Analysis Date: <b>2/4/2013</b>	SeqNo: <b>145248</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	18.9	0.100	20.00	0	94.7	70	130				
Surr: 1-Bromo-4-fluorobenzene-BFB	10.3		10.00		103	74.8	123				
Surr: Dibromofluoromethane	9.45		10.00		94.5	78.5	114				
Surr: Toluene-d8	9.51		10.00		95.1	83.5	113				

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client Name: **GL**

 Work Order Number: **1301156**

 Logged by: **Clare Griggs**

 Date Received: **1/31/2013 2:30:00 PM**
**Chain of Custody**

1. Were custodial seals present? Yes  No  Not Required
2. Is Chain of Custody complete? Yes  No  Not Present
3. How was the sample delivered? Client

**Log In**

4. Coolers are present? Yes  No  NA
- Air Samples**
5. Was an attempt made to cool the samples? Yes  No  NA
6. Were all coolers received at a temperature of >0° C to 10.0°C Yes  No  NA
7. Sample(s) in proper container(s)? Yes  No
8. Sufficient sample volume for indicated test(s)? Yes  No
9. Are samples properly preserved? Yes  No
10. Was preservative added to bottles? Yes  No  NA
11. Is there headspace present in VOA vials? Yes  No  NA
12. Did all sample containers arrive in good condition?(unbroken) Yes  No
13. Does paperwork match bottle labels? Yes  No
14. Are matrices correctly identified on Chain of Custody? Yes  No
15. Is it clear what analyses were requested? Yes  No
16. Were all holding times able to be met? Yes  No

**Special Handling (if applicable)**

17. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks/Discrepancies

**Item Information**



**Fremont**  
Analytical

1311 N. 35th Street  
Seattle, WA 98103  
Tel: 206-352-3790  
Fax: 206-352-7178

Client: G-Logics

Address:  
City, State, Zip

Project Name:  
Location:  
Collected by:

Date: 1/31/13

Laboratory Project No (Internal): 130115c

Page: 1 of 1

Project Name: Former Thinker Toys  
Location: Bellevue  
Collected by: Dan Hatch

Project No: 01-0739-B

Reports To (PM):

Fax:

City, State, Zip

Address:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	Comments/Depth
1. SUE-1	1/31/13		Air	
2. SUE-2				
3. SUE-3				
4. SUE-4				
5. SUE-5				
6. SUE-6				
7. SUE-7				
8. SUE-8		1330		
9. SUE-9		1330		
10. Exhaust Stack		1345		

Special Remarks:  
TAT -> Next Day 1 Day 3 Day STD

Received: 1/31/13 2:30 pm  
Date/Time

Received: [Signature]  
Date/Time

Received: 1/31/13 1430  
Date/Time

Received: [Signature]  
Date/Time

www.fremontanalytical.com

Distribution: White - Lab, Yellow - File, Pink - Originator





3600 Fremont Ave. N.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**G-Logics**

Dan Hatch  
40 Second Ave. SE  
Issaquah, Washington 98027

**RE: Thinker Toy**

**Lab ID: 1303043**

March 18, 2013

**Attention Dan Hatch:**

Fremont Analytical, Inc. received 10 sample(s) on 3/8/2013 for the analyses presented in the following report.

***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee  
Sr. Chemist / Principal



Date: 03/18/2013

**CLIENT:** G-Logics  
**Project:** Thinker Toy  
**Lab Order:** 1303043

## Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1303043-001	SVE-1	03/08/2013 3:00 PM	03/08/2013 6:10 PM
1303043-002	SVE-2	03/08/2013 3:00 PM	03/08/2013 6:10 PM
1303043-003	SVE-3	03/08/2013 3:00 PM	03/08/2013 6:10 PM
1303043-004	SVE-4	03/08/2013 3:00 PM	03/08/2013 6:10 PM
1303043-005	SVE-5	03/08/2013 3:00 PM	03/08/2013 6:10 PM
1303043-006	SVE-6	03/08/2013 3:00 PM	03/08/2013 6:10 PM
1303043-007	SVE-7	03/08/2013 3:00 PM	03/08/2013 6:10 PM
1303043-008	SVE-8	03/08/2013 3:00 PM	03/08/2013 6:10 PM
1303043-009	SVE-9	03/08/2013 3:00 PM	03/08/2013 6:10 PM
1303043-010	Exhaust Stack	03/08/2013 3:00 PM	03/08/2013 6:10 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

**CLIENT:** G-Logics  
**Project:** Thinker Toy

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**I. SAMPLE RECEIPT:**

Samples receipt information is recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



# Analytical Report

WO#: 1303043

Date Reported: 3/18/2013

**Client:** G-Logics

**Collection Date:** 3/8/2013 3:00:00 PM

**Project:** Thinker Toy

**Lab ID:** 1303043-001

**Matrix:** Air

**Client Sample ID:** SVE-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7789

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
Chloromethane	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
Vinyl chloride	ND	0.0200		µg/L	1	3/11/2013 8:45:00 AM
Bromomethane	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
Trichlorofluoromethane	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
Chloroethane	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
1,1-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
Methylene chloride	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
1,1-Dichloroethane	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
2,2-Dichloropropane	ND	0.200		µg/L	1	3/11/2013 8:45:00 AM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
Chloroform	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
1,1-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
Carbon tetrachloride	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
1,2-Dichloroethane	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
Benzene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
<b>Trichloroethene (TCE)</b>	<b>0.147</b>	0.100		µg/L	1	3/11/2013 8:45:00 AM
1,2-Dichloropropane	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
Dichlorobromomethane	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
Dibromomethane	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
Toluene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
1,3-Dichloropropane	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
<b>Tetrachloroethene (PCE)</b>	<b>14.0</b>	1.00	D	µg/L	10	3/11/2013 2:05:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	3/11/2013 8:45:00 AM
Chlorobenzene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
Ethylbenzene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
m,p-Xylene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 3/8/2013 3:00:00 PM

**Project:** Thinker Toy

**Lab ID:** 1303043-001

**Matrix:** Air

**Client Sample ID:** SVE-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7789

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
Styrene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
Isopropylbenzene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
Bromoform	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
n-Propylbenzene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
Bromobenzene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
2-Chlorotoluene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
4-Chlorotoluene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
tert-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	3/11/2013 8:45:00 AM
sec-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
4-Isopropyltoluene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
n-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
Hexachlorobutadiene	ND	0.400		µg/L	1	3/11/2013 8:45:00 AM
Naphthalene	ND	0.100		µg/L	1	3/11/2013 8:45:00 AM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	3/11/2013 8:45:00 AM
Surr: 1-Bromo-4-fluorobenzene	98.7	83.7-116		%REC	1	3/11/2013 8:45:00 AM
Surr: Dibromofluoromethane	105	68.9-124		%REC	1	3/11/2013 8:45:00 AM
Surr: Toluene-d8	100	68.2-129		%REC	1	3/11/2013 8:45:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1303043

Date Reported: 3/18/2013

**Client:** G-Logics

**Collection Date:** 3/8/2013 3:00:00 PM

**Project:** Thinker Toy

**Lab ID:** 1303043-002

**Matrix:** Air

**Client Sample ID:** SVE-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7789

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
Chloromethane	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
Vinyl chloride	ND	0.0200		µg/L	1	3/11/2013 9:13:00 AM
Bromomethane	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
Trichlorofluoromethane	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
Chloroethane	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
1,1-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
Methylene chloride	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
1,1-Dichloroethane	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
2,2-Dichloropropane	ND	0.200		µg/L	1	3/11/2013 9:13:00 AM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
Chloroform	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
1,1-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
Carbon tetrachloride	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
1,2-Dichloroethane	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
Benzene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
Trichloroethene (TCE)	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
1,2-Dichloropropane	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
Dichlorobromomethane	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
Dibromomethane	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
Toluene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
1,3-Dichloropropane	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
<b>Tetrachloroethene (PCE)</b>	<b>6.82</b>	0.100		µg/L	1	3/11/2013 9:13:00 AM
Dibromochloromethane	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	3/11/2013 9:13:00 AM
Chlorobenzene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
Ethylbenzene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
m,p-Xylene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 3/8/2013 3:00:00 PM

**Project:** Thinker Toy

**Lab ID:** 1303043-002

**Matrix:** Air

**Client Sample ID:** SVE-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7789

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
Styrene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
Isopropylbenzene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
Bromoform	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
n-Propylbenzene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
Bromobenzene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
2-Chlorotoluene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
4-Chlorotoluene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
tert-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	3/11/2013 9:13:00 AM
sec-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
4-Isopropyltoluene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
n-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
Hexachlorobutadiene	ND	0.400		µg/L	1	3/11/2013 9:13:00 AM
Naphthalene	ND	0.100		µg/L	1	3/11/2013 9:13:00 AM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	3/11/2013 9:13:00 AM
Surr: 1-Bromo-4-fluorobenzene	99.0	83.7-116		%REC	1	3/11/2013 9:13:00 AM
Surr: Dibromofluoromethane	107	68.9-124		%REC	1	3/11/2013 9:13:00 AM
Surr: Toluene-d8	101	68.2-129		%REC	1	3/11/2013 9:13:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1303043

Date Reported: 3/18/2013

**Client:** G-Logics

**Collection Date:** 3/8/2013 3:00:00 PM

**Project:** Thinker Toy

**Lab ID:** 1303043-003

**Matrix:** Air

**Client Sample ID:** SVE-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7789

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
Chloromethane	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
Vinyl chloride	ND	0.0200		µg/L	1	3/11/2013 9:42:00 AM
Bromomethane	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
Trichlorofluoromethane	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
Chloroethane	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
1,1-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
Methylene chloride	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
1,1-Dichloroethane	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
2,2-Dichloropropane	ND	0.200		µg/L	1	3/11/2013 9:42:00 AM
<b>cis-1,2-Dichloroethene</b>	<b>1.07</b>	0.100		µg/L	1	3/11/2013 9:42:00 AM
Chloroform	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
1,1-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
Carbon tetrachloride	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
1,2-Dichloroethane	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
Benzene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
<b>Trichloroethene (TCE)</b>	<b>0.553</b>	<b>0.100</b>		µg/L	1	3/11/2013 9:42:00 AM
1,2-Dichloropropane	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
Dichlorobromomethane	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
Dibromomethane	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
Toluene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
1,3-Dichloropropane	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
<b>Tetrachloroethene (PCE)</b>	<b>13.6</b>	1.00	D	µg/L	10	3/11/2013 2:34:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	3/11/2013 9:42:00 AM
Chlorobenzene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
Ethylbenzene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
m,p-Xylene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





**Client:** G-Logics

**Collection Date:** 3/8/2013 3:00:00 PM

**Project:** Thinker Toy

**Lab ID:** 1303043-003

**Matrix:** Air

**Client Sample ID:** SVE-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7789

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
Styrene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
Isopropylbenzene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
Bromoform	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
n-Propylbenzene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
Bromobenzene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
2-Chlorotoluene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
4-Chlorotoluene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
tert-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	3/11/2013 9:42:00 AM
sec-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
4-Isopropyltoluene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
n-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
Hexachlorobutadiene	ND	0.400		µg/L	1	3/11/2013 9:42:00 AM
Naphthalene	ND	0.100		µg/L	1	3/11/2013 9:42:00 AM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	3/11/2013 9:42:00 AM
Surr: 1-Bromo-4-fluorobenzene	98.2	83.7-116		%REC	1	3/11/2013 9:42:00 AM
Surr: Dibromofluoromethane	105	68.9-124		%REC	1	3/11/2013 9:42:00 AM
Surr: Toluene-d8	101	68.2-129		%REC	1	3/11/2013 9:42:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1303043

Date Reported: 3/18/2013

**Client:** G-Logics

**Collection Date:** 3/8/2013 3:00:00 PM

**Project:** Thinker Toy

**Lab ID:** 1303043-004

**Matrix:** Air

**Client Sample ID:** SVE-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R7789	Analyst: EM
Dichlorodifluoromethane	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
Chloromethane	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
Vinyl chloride	ND	0.0200		µg/L	1	3/11/2013 10:11:00 AM
Bromomethane	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
Trichlorofluoromethane	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
Chloroethane	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
1,1-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
Methylene chloride	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
1,1-Dichloroethane	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
2,2-Dichloropropane	ND	0.200		µg/L	1	3/11/2013 10:11:00 AM
<b>cis-1,2-Dichloroethene</b>	<b>0.853</b>	0.100		µg/L	1	3/11/2013 10:11:00 AM
Chloroform	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
1,1-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
Carbon tetrachloride	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
1,2-Dichloroethane	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
Benzene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
<b>Trichloroethene (TCE)</b>	<b>3.38</b>	0.100		µg/L	1	3/11/2013 10:11:00 AM
1,2-Dichloropropane	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
Dichlorobromomethane	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
Dibromomethane	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
Toluene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
1,3-Dichloropropane	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
<b>Tetrachloroethene (PCE)</b>	<b>70.5</b>	5.00	DH	µg/L	50	3/11/2013 3:04:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	3/11/2013 10:11:00 AM
Chlorobenzene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
Ethylbenzene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
m,p-Xylene	0.119	0.100		µg/L	1	3/11/2013 10:11:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 3/8/2013 3:00:00 PM

**Project:** Thinker Toy

**Lab ID:** 1303043-004

**Matrix:** Air

**Client Sample ID:** SVE-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7789

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
Styrene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
Isopropylbenzene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
Bromoform	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
n-Propylbenzene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
Bromobenzene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
2-Chlorotoluene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
4-Chlorotoluene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
tert-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	3/11/2013 10:11:00 AM
sec-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
4-Isopropyltoluene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
n-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
Hexachlorobutadiene	ND	0.400		µg/L	1	3/11/2013 10:11:00 AM
Naphthalene	ND	0.100		µg/L	1	3/11/2013 10:11:00 AM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	3/11/2013 10:11:00 AM
Surr: 1-Bromo-4-fluorobenzene	96.2	83.7-116		%REC	1	3/11/2013 10:11:00 AM
Surr: Dibromofluoromethane	103	68.9-124		%REC	1	3/11/2013 10:11:00 AM
Surr: Toluene-d8	101	68.2-129		%REC	1	3/11/2013 10:11:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1303043

Date Reported: 3/18/2013

**Client:** G-Logics

**Collection Date:** 3/8/2013 3:00:00 PM

**Project:** Thinker Toy

**Lab ID:** 1303043-005

**Matrix:** Air

**Client Sample ID:** SVE-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R7789	Analyst: EM
Dichlorodifluoromethane	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
Chloromethane	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
Vinyl chloride	ND	0.0200		µg/L	1	3/11/2013 10:40:00 AM
Bromomethane	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
Trichlorofluoromethane	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
Chloroethane	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
1,1-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
Methylene chloride	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
1,1-Dichloroethane	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
2,2-Dichloropropane	ND	0.200		µg/L	1	3/11/2013 10:40:00 AM
<b>cis-1,2-Dichloroethene</b>	<b>0.464</b>	0.100		µg/L	1	3/11/2013 10:40:00 AM
Chloroform	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
1,1-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
Carbon tetrachloride	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
1,2-Dichloroethane	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
Benzene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
<b>Trichloroethene (TCE)</b>	<b>0.662</b>	0.100		µg/L	1	3/11/2013 10:40:00 AM
1,2-Dichloropropane	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
Dichlorobromomethane	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
Dibromomethane	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
Toluene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
1,3-Dichloropropane	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
<b>Tetrachloroethene (PCE)</b>	<b>55.2</b>	5.00	DH	µg/L	50	3/11/2013 3:33:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	3/11/2013 10:40:00 AM
Chlorobenzene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
Ethylbenzene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
m,p-Xylene	0.129	0.100		µg/L	1	3/11/2013 10:40:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 3/8/2013 3:00:00 PM

**Project:** Thinker Toy

**Lab ID:** 1303043-005

**Matrix:** Air

**Client Sample ID:** SVE-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7789

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
Styrene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
Isopropylbenzene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
Bromoform	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
n-Propylbenzene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
Bromobenzene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
2-Chlorotoluene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
4-Chlorotoluene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
tert-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	3/11/2013 10:40:00 AM
sec-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
4-Isopropyltoluene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
n-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
Hexachlorobutadiene	ND	0.400		µg/L	1	3/11/2013 10:40:00 AM
Naphthalene	ND	0.100		µg/L	1	3/11/2013 10:40:00 AM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	3/11/2013 10:40:00 AM
Surr: 1-Bromo-4-fluorobenzene	98.3	83.7-116		%REC	1	3/11/2013 10:40:00 AM
Surr: Dibromofluoromethane	103	68.9-124		%REC	1	3/11/2013 10:40:00 AM
Surr: Toluene-d8	100	68.2-129		%REC	1	3/11/2013 10:40:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1303043

Date Reported: 3/18/2013

**Client:** G-Logics

**Collection Date:** 3/8/2013 3:00:00 PM

**Project:** Thinker Toy

**Lab ID:** 1303043-006

**Matrix:** Air

**Client Sample ID:** SVE-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7789

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
Chloromethane	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
Vinyl chloride	ND	0.0200		µg/L	1	3/11/2013 11:12:00 AM
Bromomethane	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
Trichlorofluoromethane	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
Chloroethane	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
1,1-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
Methylene chloride	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
1,1-Dichloroethane	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
2,2-Dichloropropane	ND	0.200		µg/L	1	3/11/2013 11:12:00 AM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
Chloroform	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
1,1-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
Carbon tetrachloride	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
1,2-Dichloroethane	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
Benzene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
<b>Trichloroethene (TCE)</b>	<b>0.257</b>	0.100		µg/L	1	3/11/2013 11:12:00 AM
1,2-Dichloropropane	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
Dichlorobromomethane	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
Dibromomethane	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
Toluene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
1,3-Dichloropropane	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
<b>Tetrachloroethene (PCE)</b>	<b>307</b>	10.0	DH	µg/L	100	3/11/2013 4:02:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	3/11/2013 11:12:00 AM
Chlorobenzene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
Ethylbenzene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
m,p-Xylene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 3/8/2013 3:00:00 PM

**Project:** Thinker Toy

**Lab ID:** 1303043-006

**Matrix:** Air

**Client Sample ID:** SVE-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R7789	Analyst: EM
o-Xylene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
Styrene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
Isopropylbenzene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
Bromoform	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
n-Propylbenzene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
Bromobenzene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
2-Chlorotoluene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
4-Chlorotoluene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
tert-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	3/11/2013 11:12:00 AM
sec-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
4-Isopropyltoluene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
n-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
Hexachlorobutadiene	ND	0.400		µg/L	1	3/11/2013 11:12:00 AM
Naphthalene	ND	0.100		µg/L	1	3/11/2013 11:12:00 AM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	3/11/2013 11:12:00 AM
Surr: 1-Bromo-4-fluorobenzene	101	83.7-116		%REC	1	3/11/2013 11:12:00 AM
Surr: Dibromofluoromethane	99.3	68.9-124		%REC	1	3/11/2013 11:12:00 AM
Surr: Toluene-d8	98.7	68.2-129		%REC	1	3/11/2013 11:12:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1303043

Date Reported: 3/18/2013

**Client:** G-Logics

**Collection Date:** 3/8/2013 3:00:00 PM

**Project:** Thinker Toy

**Lab ID:** 1303043-007

**Matrix:** Air

**Client Sample ID:** SVE-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R7789	Analyst: EM
Dichlorodifluoromethane	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
Chloromethane	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
Vinyl chloride	ND	0.0200		µg/L	1	3/11/2013 11:41:00 AM
Bromomethane	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
Trichlorofluoromethane	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
Chloroethane	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
1,1-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
Methylene chloride	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
1,1-Dichloroethane	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
2,2-Dichloropropane	ND	0.200		µg/L	1	3/11/2013 11:41:00 AM
<b>cis-1,2-Dichloroethene</b>	<b>0.591</b>	0.100		µg/L	1	3/11/2013 11:41:00 AM
Chloroform	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
1,1-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
Carbon tetrachloride	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
1,2-Dichloroethane	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
Benzene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
<b>Trichloroethene (TCE)</b>	<b>7.50</b>	5.00	DH	µg/L	50	3/11/2013 5:01:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
Dichlorobromomethane	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
Dibromomethane	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
Toluene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
1,3-Dichloropropane	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
<b>Tetrachloroethene (PCE)</b>	<b>165</b>	5.00	DH	µg/L	50	3/11/2013 5:01:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	3/11/2013 11:41:00 AM
Chlorobenzene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
Ethylbenzene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
m,p-Xylene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





**Client:** G-Logics

**Collection Date:** 3/8/2013 3:00:00 PM

**Project:** Thinker Toy

**Lab ID:** 1303043-007

**Matrix:** Air

**Client Sample ID:** SVE-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R7789	Analyst: EM
o-Xylene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
Styrene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
Isopropylbenzene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
Bromoform	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
n-Propylbenzene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
Bromobenzene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
2-Chlorotoluene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
4-Chlorotoluene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
tert-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	3/11/2013 11:41:00 AM
sec-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
4-Isopropyltoluene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
n-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
Hexachlorobutadiene	ND	0.400		µg/L	1	3/11/2013 11:41:00 AM
Naphthalene	ND	0.100		µg/L	1	3/11/2013 11:41:00 AM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	3/11/2013 11:41:00 AM
Surr: 1-Bromo-4-fluorobenzene	94.8	83.7-116		%REC	1	3/11/2013 11:41:00 AM
Surr: Dibromofluoromethane	100	68.9-124		%REC	1	3/11/2013 11:41:00 AM
Surr: Toluene-d8	97.9	68.2-129		%REC	1	3/11/2013 11:41:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1303043

Date Reported: 3/18/2013

**Client:** G-Logics

**Collection Date:** 3/8/2013 3:00:00 PM

**Project:** Thinker Toy

**Lab ID:** 1303043-008

**Matrix:** Air

**Client Sample ID:** SVE-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7789

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
Chloromethane	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	3/11/2013 12:10:00 PM
Bromomethane	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
Chloroethane	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
Methylene chloride	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	3/11/2013 12:10:00 PM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
Chloroform	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
Benzene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
<b>Trichloroethene (TCE)</b>	<b>0.108</b>	0.100		µg/L	1	3/11/2013 12:10:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
Dibromomethane	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
Toluene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>6.87</b>	<b>0.100</b>		<b>µg/L</b>	<b>1</b>	<b>3/11/2013 12:10:00 PM</b>
Dibromochloromethane	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	3/11/2013 12:10:00 PM
Chlorobenzene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
Ethylbenzene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
m,p-Xylene	0.116	0.100		µg/L	1	3/11/2013 12:10:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 3/8/2013 3:00:00 PM

**Project:** Thinker Toy

**Lab ID:** 1303043-008

**Matrix:** Air

**Client Sample ID:** SVE-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R7789	Analyst: EM
o-Xylene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
Styrene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
Bromoform	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
Bromobenzene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	3/11/2013 12:10:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	3/11/2013 12:10:00 PM
Naphthalene	ND	0.100		µg/L	1	3/11/2013 12:10:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	3/11/2013 12:10:00 PM
Surr: 1-Bromo-4-fluorobenzene	98.8	83.7-116		%REC	1	3/11/2013 12:10:00 PM
Surr: Dibromofluoromethane	104	68.9-124		%REC	1	3/11/2013 12:10:00 PM
Surr: Toluene-d8	101	68.2-129		%REC	1	3/11/2013 12:10:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1303043

Date Reported: 3/18/2013

**Client:** G-Logics

**Collection Date:** 3/8/2013 3:00:00 PM

**Project:** Thinker Toy

**Lab ID:** 1303043-009

**Matrix:** Air

**Client Sample ID:** SVE-9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R7789	Analyst: EM
Dichlorodifluoromethane	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
Chloromethane	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	3/11/2013 12:39:00 PM
Bromomethane	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
Chloroethane	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
Methylene chloride	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	3/11/2013 12:39:00 PM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
Chloroform	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
Benzene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
Trichloroethene (TCE)	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
Dibromomethane	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
Toluene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>17.2</b>	<b>5.00</b>	<b>DH</b>	<b>µg/L</b>	<b>50</b>	<b>3/11/2013 4:31:00 PM</b>
Dibromochloromethane	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	3/11/2013 12:39:00 PM
Chlorobenzene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
Ethylbenzene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
m,p-Xylene	0.153	0.100		µg/L	1	3/11/2013 12:39:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 3/8/2013 3:00:00 PM

**Project:** Thinker Toy

**Lab ID:** 1303043-009

**Matrix:** Air

**Client Sample ID:** SVE-9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7789

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
Styrene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
Bromoform	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
Bromobenzene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	3/11/2013 12:39:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	3/11/2013 12:39:00 PM
Naphthalene	ND	0.100		µg/L	1	3/11/2013 12:39:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	3/11/2013 12:39:00 PM
Surr: 1-Bromo-4-fluorobenzene	97.7	83.7-116		%REC	1	3/11/2013 12:39:00 PM
Surr: Dibromofluoromethane	103	68.9-124		%REC	1	3/11/2013 12:39:00 PM
Surr: Toluene-d8	101	68.2-129		%REC	1	3/11/2013 12:39:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1303043

Date Reported: 3/18/2013

**Client:** G-Logics

**Collection Date:** 3/8/2013 3:00:00 PM

**Project:** Thinker Toy

**Lab ID:** 1303043-010

**Matrix:** Air

**Client Sample ID:** Exhaust Stack

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7789

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
Chloromethane	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	3/11/2013 1:08:00 PM
Bromomethane	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
Chloroethane	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
Methylene chloride	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	3/11/2013 1:08:00 PM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
Chloroform	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
Benzene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
Trichloroethene (TCE)	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
Dibromomethane	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
Toluene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>19.4</b>	<b>1.00</b>	<b>DH</b>	<b>µg/L</b>	<b>10</b>	<b>3/11/2013 5:29:00 PM</b>
Dibromochloromethane	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	3/11/2013 1:08:00 PM
Chlorobenzene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
Ethylbenzene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
m,p-Xylene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1303043

Date Reported: 3/18/2013

**Client:** G-Logics

**Collection Date:** 3/8/2013 3:00:00 PM

**Project:** Thinker Toy

**Lab ID:** 1303043-010

**Matrix:** Air

**Client Sample ID:** Exhaust Stack

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R7789

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
Styrene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
Bromoform	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
Bromobenzene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	3/11/2013 1:08:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	3/11/2013 1:08:00 PM
Naphthalene	ND	0.100		µg/L	1	3/11/2013 1:08:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	3/11/2013 1:08:00 PM
Surr: 1-Bromo-4-fluorobenzene	97.6	83.7-116		%REC	1	3/11/2013 1:08:00 PM
Surr: Dibromofluoromethane	101	68.9-124		%REC	1	3/11/2013 1:08:00 PM
Surr: Toluene-d8	98.5	68.2-129		%REC	1	3/11/2013 1:08:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits

**Work Order:** 1303043  
**CLIENT:** G-Logics  
**Project:** Thinker Toy

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R7789</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>3/11/2013</b>	RunNo: <b>7789</b>
Client ID: <b>LCSW</b>	Batch ID: <b>R7789</b>		Analysis Date: <b>3/11/2013</b>	SeqNo: <b>154384</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	1.70	0.100	2.000	0	85.1	46.2	132				
Chloromethane	1.76	0.100	2.000	0	87.8	42.5	131				
Vinyl chloride	1.87	0.0200	2.000	0	93.5	56.2	130				
Bromomethane	2.20	0.100	2.000	0	110	45.4	138				
Trichlorofluoromethane	1.75	0.100	2.000	0	87.6	64.7	129				
Chloroethane	2.04	0.100	2.000	0	102	62.5	123				
1,1-Dichloroethene	1.92	0.100	2.000	0	96.1	60.7	146				
Methylene chloride	1.98	0.100	2.000	0	98.9	60.3	135				
trans-1,2-Dichloroethene	1.98	0.100	2.000	0	98.9	71.3	129				
Methyl tert-butyl ether (MTBE)	1.91	0.100	2.000	0	95.3	75.4	123				
1,1-Dichloroethane	2.04	0.100	2.000	0	102	71.3	129				
2,2-Dichloropropane	1.81	0.200	2.000	0	90.5	37.8	132				
cis-1,2-Dichloroethene	2.00	0.100	2.000	0	100	67.5	127				
Chloroform	2.06	0.100	2.000	0	103	70.3	123				
1,1,1-Trichloroethane (TCA)	1.99	0.100	2.000	0	99.6	67.9	134				
1,1-Dichloropropene	1.98	0.100	2.000	0	98.8	72.1	133				
Carbon tetrachloride	1.93	0.100	2.000	0	96.7	68	136				
1,2-Dichloroethane	1.95	0.100	2.000	0	97.6	65.8	126				
Benzene	1.96	0.100	2.000	0	97.8	75.2	124				
Trichloroethene (TCE)	2.01	0.100	2.000	0	101	71.9	130				
1,2-Dichloropropane	2.05	0.100	2.000	0	103	71.9	131				
Dichlorobromomethane	1.94	0.100	2.000	0	96.9	70	130				
Dibromomethane	2.02	0.100	2.000	0	101	74.2	125				
cis-1,3-Dichloropropene	1.97	0.100	2.000	0	98.4	62.8	135				
Toluene	1.96	0.100	2.000	0	98.1	75.2	129				
trans-1,3-Dichloropropene	1.92	0.100	2.000	0	96.1	58.1	138				
1,1,2-Trichloroethane	1.97	0.100	2.000	0	98.4	65.4	128				
1,3-Dichloropropane	1.96	0.100	2.000	0	98.2	71.9	131				
Tetrachloroethene (PCE)	1.99	0.100	2.000	0	99.3	52.4	140				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits



Work Order: 1303043  
 CLIENT: G-Logics  
 Project: Thinker Toy

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R7789</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>3/11/2013</b>	RunNo: <b>7789</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R7789</b>		Analysis Date: <b>3/11/2013</b>	SeqNo: <b>154384</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dibromochloromethane	1.91	0.100	2.000	0	95.5	68.7	139				
1,2-Dibromoethane (EDB)	1.97	0.00100	2.000	0	98.4	71.2	129				
Chlorobenzene	2.00	0.100	2.000	0	100	77.2	122				
1,1,1,2-Tetrachloroethane	1.97	0.100	2.000	0	98.5	76.2	130				
Ethylbenzene	2.00	0.100	2.000	0	100	78	127				
m,p-Xylene	4.00	0.100	4.000	0	100	77.5	130				
o-Xylene	1.98	0.100	2.000	0	98.9	77.6	126				
Styrene	1.96	0.100	2.000	0	98.2	66.8	137				
Isopropylbenzene	2.00	0.100	2.000	0	99.8	75.9	133				
Bromoform	2.05	0.100	2.000	0	103	69.9	142				
1,1,2,2-Tetrachloroethane	1.95	0.100	2.000	0	97.6	68	134				
n-Propylbenzene	1.99	0.100	2.000	0	99.6	77.1	133				
Bromobenzene	1.94	0.100	2.000	0	96.9	71.1	131				
1,3,5-Trimethylbenzene	1.92	0.100	2.000	0	96.0	76.2	133				
2-Chlorotoluene	2.02	0.100	2.000	0	101	67.1	137				
4-Chlorotoluene	1.98	0.100	2.000	0	99.2	70.7	132				
tert-Butylbenzene	1.94	0.100	2.000	0	96.9	71.3	139				
1,2,3-Trichloropropane	1.93	0.100	2.000	0	96.4	70.8	132				
1,2,4-Trichlorobenzene	2.01	0.200	2.000	0	100	61.4	139				
sec-Butylbenzene	1.95	0.100	2.000	0	97.7	77.4	136				
4-Isopropyltoluene	1.97	0.100	2.000	0	98.3	78.1	131				
1,3-Dichlorobenzene	1.98	0.100	2.000	0	99.1	73.5	125				
1,4-Dichlorobenzene	2.03	0.100	2.000	0	101	71.4	125				
n-Butylbenzene	1.96	0.100	2.000	0	98.2	69.8	138				
1,2-Dichlorobenzene	2.01	0.100	2.000	0	100	74.2	123				
1,2-Dibromo-3-chloropropane	1.84	0.100	2.000	0	92.1	66.1	138				
1,2,4-Trimethylbenzene	1.98	0.100	2.000	0	99.0	72.3	133				
Hexachlorobutadiene	2.01	0.400	2.000	0	100	60.9	141				
Naphthalene	2.01	0.100	2.000	0	100	58.2	140				

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1303043  
**CLIENT:** G-Logics  
**Project:** Thinker Toy

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R7789</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>3/11/2013</b>	RunNo: <b>7789</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R7789</b>		Analysis Date: <b>3/11/2013</b>	SeqNo: <b>154384</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichlorobenzene	1.99	0.400	2.000	0	99.3	61.3	133				
Surr: 1-Bromo-4-fluorobenzene-BFB	1.01		1.000		101	83.7	116				
Surr: Dibromofluoromethane	1.08		1.000		108	68.9	124				
Surr: Toluene-d8	0.991		1.000		99.1	68.2	129				

Sample ID: <b>MB-R7789</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>3/11/2013</b>	RunNo: <b>7789</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R7789</b>		Analysis Date: <b>3/11/2013</b>	SeqNo: <b>154385</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane	ND	0.100									
Chloromethane	ND	0.100									
Vinyl chloride	ND	0.0200									
Bromomethane	ND	0.100									
Trichlorofluoromethane	ND	0.100									
Chloroethane	ND	0.100									
1,1-Dichloroethene	ND	0.100									
Methylene chloride	ND	0.100									
trans-1,2-Dichloroethene	ND	0.100									
Methyl tert-butyl ether (MTBE)	ND	0.100									
1,1-Dichloroethane	ND	0.100									
2,2-Dichloropropane	ND	0.200									
cis-1,2-Dichloroethene	ND	0.100									
Chloroform	ND	0.100									
1,1,1-Trichloroethane (TCA)	ND	0.100									
1,1-Dichloropropene	ND	0.100									
Carbon tetrachloride	ND	0.100									
1,2-Dichloroethane	ND	0.100									
Benzene	ND	0.100									

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1303043  
 CLIENT: G-Logics  
 Project: Thinker Toy

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R7789</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>3/11/2013</b>	RunNo: <b>7789</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R7789</b>		Analysis Date: <b>3/11/2013</b>	SeqNo: <b>154385</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	ND	0.100									
1,2-Dichloropropane	ND	0.100									
Dichlorobromomethane	ND	0.100									
Dibromomethane	ND	0.100									
cis-1,3-Dichloropropene	ND	0.100									
Toluene	ND	0.100									
trans-1,3-Dichloropropene	ND	0.100									
1,1,2-Trichloroethane	ND	0.100									
1,3-Dichloropropane	ND	0.100									
Tetrachloroethene (PCE)	ND	0.100									
Dibromochloromethane	ND	0.100									
1,2-Dibromoethane (EDB)	ND	0.00100									
Chlorobenzene	ND	0.100									
1,1,1,2-Tetrachloroethane	ND	0.100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.100									
o-Xylene	ND	0.100									
Styrene	ND	0.100									
Isopropylbenzene	ND	0.100									
Bromoform	ND	0.100									
1,1,2,2-Tetrachloroethane	ND	0.100									
n-Propylbenzene	ND	0.100									
Bromobenzene	ND	0.100									
1,3,5-Trimethylbenzene	ND	0.100									
2-Chlorotoluene	ND	0.100									
4-Chlorotoluene	ND	0.100									
tert-Butylbenzene	ND	0.100									
1,2,3-Trichloropropane	ND	0.100									
1,2,4-Trichlorobenzene	ND	0.200									

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1303043  
 CLIENT: G-Logics  
 Project: Thinker Toy

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R7789</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>3/11/2013</b>	RunNo: <b>7789</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R7789</b>		Analysis Date: <b>3/11/2013</b>	SeqNo: <b>154385</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

sec-Butylbenzene	ND	0.100									
4-Isopropyltoluene	ND	0.100									
1,3-Dichlorobenzene	ND	0.100									
1,4-Dichlorobenzene	ND	0.100									
n-Butylbenzene	ND	0.100									
1,2-Dichlorobenzene	ND	0.100									
1,2-Dibromo-3-chloropropane	ND	0.100									
1,2,4-Trimethylbenzene	ND	0.100									
Hexachlorobutadiene	ND	0.400									
Naphthalene	ND	0.100									
1,2,3-Trichlorobenzene	ND	0.400									
Surr: 1-Bromo-4-fluorobenzene-BFB	0.991		1.000		99.1	83.7	116				
Surr: Dibromofluoromethane	1.06		1.000		106	68.9	124				
Surr: Toluene-d8	1.00		1.000		100	68.2	129				

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client Name: **GL**

 Work Order Number: **1303043**

 Logged by: **Clare Griggs**

 Date Received: **3/8/2013 6:10:00 PM**

### Chain of Custody

1. Were custodial seals present? Yes  No  Not Required
2. Is Chain of Custody complete? Yes  No  Not Present
3. How was the sample delivered? Client

### Log In

4. Coolers are present? Yes  No  NA
- Air Samples**
5. Was an attempt made to cool the samples? Yes  No  NA
6. Were all coolers received at a temperature of >0° C to 10.0°C Yes  No  NA
7. Sample(s) in proper container(s)? Yes  No
8. Sufficient sample volume for indicated test(s)? Yes  No
9. Are samples properly preserved? Yes  No
10. Was preservative added to bottles? Yes  No  NA
11. Is there headspace present in VOA vials? Yes  No  NA
12. Did all sample containers arrive in good condition?(unbroken) Yes  No
13. Does paperwork match bottle labels? Yes  No
14. Are matrices correctly identified on Chain of Custody? Yes  No
15. Is it clear what analyses were requested? Yes  No
16. Were all holding times able to be met? Yes  No

### Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified:	<input type="text" value="Dan H."/>	Date:	<input type="text" value="3/18/2013"/>
By Whom:	<input type="text" value="Mike Ridgeway"/>	Via:	<input type="checkbox"/> eMail <input checked="" type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text" value="Sample Times"/>		
Client Instructions:	<input type="text" value="Use 3pm on 3/8/13"/>		

18. Additional remarks/Disrepancies

### Item Information



**Fremont**  
Analytical

2930 Westlake Ave. N. Suite 109  
Seattle, WA 98103

Date: 3/8/13

Page: 1 of 1

Laboratory Project No (Internal): 1303043

**Chain of Custody Record**

Client: G-Loyis  
Address: 405 2nd Avenue SE  
City, State, Zip: Issaquah WA

Project Name: Thinker Toy  
Location: Bellevue WA  
Collected by: Dan H

Reports To (PM): Dan H

Email: Dan.H@G-Loyis.com Project No: 01-0739

Fax:

Sample Name	Time	Sample Type (Matrix)	Container Type	Date of Collection	VOA 8260	VOA 80218 BTEX	NWTRH-GX	NWTRH-HCID	NWTRH-DX/DX EXT.	SEM VOL 8270C	PAH 8270	PCBS 8082	CI PESTICIDES 8081	CI HERBICIDES 8151A	Metals*	Total (T)   Dissolved (D)	Anions (C)**	Comments/Depth
1 SVE-1		Air	12 Tablet	3/8/13	X													
2 SVE-2					X													
3 SVE-3					X													
4 SVE-4					X													
5 SVE-5					X													
6 SVE-6					X													
7 SVE-7					X													
8 SVE-8					X													
9 SVE-9					X													
10 Boxed Stacks					X													

\*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sn Se Sr Zn Ti U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Bromide O-Phosphate Fluoride Nitrate+Nitrite

Relinquished: [Signature] Date/Time: 3/8/13 6:10 pm  
 Relinquished: [Signature] Date/Time: 3/8/13 6:10 pm  
 Relinquished: [Signature] Date/Time: 3/8/13 6:10 pm  
 Relinquished: [Signature] Date/Time: 3/8/13 6:10 pm

Sample Receipt:  
 Good?   
 Cooler Temperature: \_\_\_\_\_  
 Seals Intact?   
 Total Number of Containers: \_\_\_\_\_

Special Remarks:  
 TAT -> 24HR 48HR Standard



3600 Fremont Ave. N.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**G-Logics**

Dan Hatch  
40 Second Ave. SE  
Issaquah, Washington 98027

**RE: Former Thinker Toys**

**Lab ID: 1304073**

April 16, 2013

**Attention Dan Hatch:**

Fremont Analytical, Inc. received 10 sample(s) on 4/10/2013 for the analyses presented in the following report.

***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee  
Sr. Chemist / Principal

**CC:**  
Joseph Gallagher



Date: 04/16/2013

---

**CLIENT:** G-Logics  
**Project:** Former Thinker Toys  
**Lab Order:** 1304073

---

## Work Order Sample Summary

---

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1304073-001	SVE1	04/10/2013 10:50 AM	04/10/2013 11:45 AM
1304073-002	SVE2	04/10/2013 10:55 AM	04/10/2013 11:45 AM
1304073-003	SVE3	04/10/2013 10:40 AM	04/10/2013 11:45 AM
1304073-004	SVE4	04/10/2013 11:00 AM	04/10/2013 11:45 AM
1304073-005	SVE5	04/10/2013 10:55 AM	04/10/2013 11:45 AM
1304073-006	SVE6	04/10/2013 11:00 AM	04/10/2013 11:45 AM
1304073-007	SVE7	04/10/2013 11:05 AM	04/10/2013 11:45 AM
1304073-008	SVE8	04/10/2013 10:40 AM	04/10/2013 11:45 AM
1304073-009	SVE9	04/10/2013 10:50 AM	04/10/2013 11:45 AM
1304073-010	ExStack	04/10/2013 10:30 AM	04/10/2013 11:45 AM

---

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned



**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

---

**I. SAMPLE RECEIPT:**

Samples receipt information is recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



# Analytical Report

WO#: 1304073

Date Reported: 4/16/2013

**Client:** G-Logics

**Collection Date:** 4/10/2013 10:50:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1304073-001

**Matrix:** Air

**Client Sample ID:** SVE1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8137

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
Chloromethane	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
Vinyl chloride	ND	0.0200		µg/L	1	4/11/2013 8:13:00 AM
Bromomethane	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
Trichlorofluoromethane	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
Chloroethane	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
1,1-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
Methylene chloride	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
1,1-Dichloroethane	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
2,2-Dichloropropane	ND	0.200		µg/L	1	4/11/2013 8:13:00 AM
cis-1,2-Dichloroethene	0.271	0.100		µg/L	1	4/11/2013 8:13:00 AM
Chloroform	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
1,1-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
Carbon tetrachloride	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
1,2-Dichloroethane	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
Benzene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
Trichloroethene (TCE)	0.289	0.100		µg/L	1	4/11/2013 8:13:00 AM
1,2-Dichloropropane	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
Dichlorobromomethane	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
Dibromomethane	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
Toluene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
1,3-Dichloropropane	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
Tetrachloroethene (PCE)	22.8	1.00	D	µg/L	10	4/11/2013 12:38:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	4/11/2013 8:13:00 AM
Chlorobenzene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
Ethylbenzene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
m,p-Xylene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 4/10/2013 10:50:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1304073-001

**Matrix:** Air

**Client Sample ID:** SVE1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8137

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
Styrene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
Isopropylbenzene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
Bromoform	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
n-Propylbenzene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
Bromobenzene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
2-Chlorotoluene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
4-Chlorotoluene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
tert-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	4/11/2013 8:13:00 AM
sec-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
4-Isopropyltoluene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
n-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
Hexachlorobutadiene	ND	0.400		µg/L	1	4/11/2013 8:13:00 AM
Naphthalene	ND	0.100		µg/L	1	4/11/2013 8:13:00 AM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	4/11/2013 8:13:00 AM
Surr: Dibromofluoromethane	108	68.9-124		%REC	1	4/11/2013 8:13:00 AM
Surr: Toluene-d8	110	68.2-129		%REC	1	4/11/2013 8:13:00 AM
Surr: 1-Bromo-4-fluorobenzene	111	83.7-116		%REC	1	4/11/2013 8:13:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1304073

Date Reported: 4/16/2013

**Client:** G-Logics

**Collection Date:** 4/10/2013 10:55:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1304073-002

**Matrix:** Air

**Client Sample ID:** SVE2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8137

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
Chloromethane	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
Vinyl chloride	ND	0.0200		µg/L	1	4/11/2013 8:43:00 AM
Bromomethane	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
Trichlorofluoromethane	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
Chloroethane	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
1,1-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
Methylene chloride	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
1,1-Dichloroethane	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
2,2-Dichloropropane	ND	0.200		µg/L	1	4/11/2013 8:43:00 AM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
Chloroform	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
1,1-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
Carbon tetrachloride	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
1,2-Dichloroethane	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
Benzene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
Trichloroethene (TCE)	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
1,2-Dichloropropane	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
Dichlorobromomethane	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
Dibromomethane	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
Toluene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
1,3-Dichloropropane	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
Tetrachloroethene (PCE)	6.55	1.00	D	µg/L	10	4/11/2013 1:07:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	4/11/2013 8:43:00 AM
Chlorobenzene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
Ethylbenzene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
m,p-Xylene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1304073

Date Reported: 4/16/2013

**Client:** G-Logics

**Collection Date:** 4/10/2013 10:55:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1304073-002

**Matrix:** Air

**Client Sample ID:** SVE2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8137

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
Styrene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
Isopropylbenzene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
Bromoform	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
n-Propylbenzene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
Bromobenzene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
2-Chlorotoluene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
4-Chlorotoluene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
tert-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	4/11/2013 8:43:00 AM
sec-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
4-Isopropyltoluene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
n-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
Hexachlorobutadiene	ND	0.400		µg/L	1	4/11/2013 8:43:00 AM
Naphthalene	ND	0.100		µg/L	1	4/11/2013 8:43:00 AM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	4/11/2013 8:43:00 AM
Surr: Dibromofluoromethane	107	68.9-124		%REC	1	4/11/2013 8:43:00 AM
Surr: Toluene-d8	109	68.2-129		%REC	1	4/11/2013 8:43:00 AM
Surr: 1-Bromo-4-fluorobenzene	110	83.7-116		%REC	1	4/11/2013 8:43:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1304073

Date Reported: 4/16/2013

**Client:** G-Logics

**Collection Date:** 4/10/2013 10:40:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1304073-003

**Matrix:** Air

**Client Sample ID:** SVE3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8137

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
Chloromethane	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
Vinyl chloride	ND	0.0200		µg/L	1	4/11/2013 9:12:00 AM
Bromomethane	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
Trichlorofluoromethane	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
Chloroethane	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
1,1-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
Methylene chloride	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
1,1-Dichloroethane	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
2,2-Dichloropropane	ND	0.200		µg/L	1	4/11/2013 9:12:00 AM
cis-1,2-Dichloroethene	0.340	0.100		µg/L	1	4/11/2013 9:12:00 AM
Chloroform	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
1,1-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
Carbon tetrachloride	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
1,2-Dichloroethane	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
Benzene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
Trichloroethene (TCE)	0.426	0.100		µg/L	1	4/11/2013 9:12:00 AM
1,2-Dichloropropane	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
Dichlorobromomethane	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
Dibromomethane	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
Toluene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
1,3-Dichloropropane	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
Tetrachloroethene (PCE)	14.2	1.00	D	µg/L	10	4/11/2013 1:35:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	4/11/2013 9:12:00 AM
Chlorobenzene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
Ethylbenzene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
m,p-Xylene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1304073

Date Reported: 4/16/2013

**Client:** G-Logics

**Collection Date:** 4/10/2013 10:40:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1304073-003

**Matrix:** Air

**Client Sample ID:** SVE3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8137	Analyst: EM
o-Xylene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
Styrene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
Isopropylbenzene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
Bromoform	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
n-Propylbenzene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
Bromobenzene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
2-Chlorotoluene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
4-Chlorotoluene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
tert-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	4/11/2013 9:12:00 AM
sec-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
4-Isopropyltoluene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
n-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
Hexachlorobutadiene	ND	0.400		µg/L	1	4/11/2013 9:12:00 AM
Naphthalene	ND	0.100		µg/L	1	4/11/2013 9:12:00 AM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	4/11/2013 9:12:00 AM
Surr: Dibromofluoromethane	108	68.9-124		%REC	1	4/11/2013 9:12:00 AM
Surr: Toluene-d8	109	68.2-129		%REC	1	4/11/2013 9:12:00 AM
Surr: 1-Bromo-4-fluorobenzene	111	83.7-116		%REC	1	4/11/2013 9:12:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1304073

Date Reported: 4/16/2013

**Client:** G-Logics

**Collection Date:** 4/10/2013 11:00:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1304073-004

**Matrix:** Air

**Client Sample ID:** SVE4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8137	Analyst: EM
Dichlorodifluoromethane	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
Chloromethane	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
Vinyl chloride	ND	0.0200		µg/L	1	4/11/2013 9:41:00 AM
Bromomethane	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
Trichlorofluoromethane	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
Chloroethane	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
1,1-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
Methylene chloride	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
1,1-Dichloroethane	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
2,2-Dichloropropane	ND	0.200		µg/L	1	4/11/2013 9:41:00 AM
cis-1,2-Dichloroethene	1.29	0.100		µg/L	1	4/11/2013 9:41:00 AM
Chloroform	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
1,1-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
Carbon tetrachloride	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
1,2-Dichloroethane	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
Benzene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
Trichloroethene (TCE)	12.1	2.00	D	µg/L	20	4/11/2013 2:04:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
Dichlorobromomethane	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
Dibromomethane	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
Toluene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
1,3-Dichloropropane	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
Tetrachloroethene (PCE)	191	2.00	D	µg/L	20	4/11/2013 2:04:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	4/11/2013 9:41:00 AM
Chlorobenzene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
Ethylbenzene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
m,p-Xylene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





**Client:** G-Logics

**Collection Date:** 4/10/2013 11:00:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1304073-004

**Matrix:** Air

**Client Sample ID:** SVE4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8137

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
Styrene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
Isopropylbenzene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
Bromoform	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
n-Propylbenzene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
Bromobenzene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
2-Chlorotoluene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
4-Chlorotoluene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
tert-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	4/11/2013 9:41:00 AM
sec-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
4-Isopropyltoluene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
n-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
Hexachlorobutadiene	ND	0.400		µg/L	1	4/11/2013 9:41:00 AM
Naphthalene	ND	0.100		µg/L	1	4/11/2013 9:41:00 AM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	4/11/2013 9:41:00 AM
Surr: Dibromofluoromethane	107	68.9-124		%REC	1	4/11/2013 9:41:00 AM
Surr: Toluene-d8	110	68.2-129		%REC	1	4/11/2013 9:41:00 AM
Surr: 1-Bromo-4-fluorobenzene	110	83.7-116		%REC	1	4/11/2013 9:41:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1304073

Date Reported: 4/16/2013

**Client:** G-Logics

**Collection Date:** 4/10/2013 10:55:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1304073-005

**Matrix:** Air

**Client Sample ID:** SVE5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8137

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
Chloromethane	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
Vinyl chloride	ND	0.0200		µg/L	1	4/11/2013 10:09:00 AM
Bromomethane	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
Trichlorofluoromethane	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
Chloroethane	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
1,1-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
Methylene chloride	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
1,1-Dichloroethane	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
2,2-Dichloropropane	ND	0.200		µg/L	1	4/11/2013 10:09:00 AM
cis-1,2-Dichloroethene	0.934	0.100		µg/L	1	4/11/2013 10:09:00 AM
Chloroform	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
1,1-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
Carbon tetrachloride	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
1,2-Dichloroethane	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
Benzene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
Trichloroethene (TCE)	1.40	0.100		µg/L	1	4/11/2013 10:09:00 AM
1,2-Dichloropropane	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
Dichlorobromomethane	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
Dibromomethane	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
Toluene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
1,3-Dichloropropane	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
Tetrachloroethene (PCE)	38.1	2.00	D	µg/L	20	4/11/2013 2:33:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	4/11/2013 10:09:00 AM
Chlorobenzene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
Ethylbenzene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
m,p-Xylene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 4/10/2013 10:55:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1304073-005

**Matrix:** Air

**Client Sample ID:** SVE5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8137

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
Styrene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
Isopropylbenzene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
Bromoform	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
n-Propylbenzene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
Bromobenzene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
2-Chlorotoluene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
4-Chlorotoluene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
tert-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	4/11/2013 10:09:00 AM
sec-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
4-Isopropyltoluene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
n-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
Hexachlorobutadiene	ND	0.400		µg/L	1	4/11/2013 10:09:00 AM
Naphthalene	ND	0.100		µg/L	1	4/11/2013 10:09:00 AM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	4/11/2013 10:09:00 AM
Surr: Dibromofluoromethane	106	68.9-124		%REC	1	4/11/2013 10:09:00 AM
Surr: Toluene-d8	109	68.2-129		%REC	1	4/11/2013 10:09:00 AM
Surr: 1-Bromo-4-fluorobenzene	110	83.7-116		%REC	1	4/11/2013 10:09:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1304073

Date Reported: 4/16/2013

**Client:** G-Logics

**Collection Date:** 4/10/2013 11:00:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1304073-006

**Matrix:** Air

**Client Sample ID:** SVE6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8140

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
Chloromethane	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
Vinyl chloride	ND	0.0200		µg/L	1	4/11/2013 10:18:00 AM
Bromomethane	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
Trichlorofluoromethane	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
Chloroethane	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
1,1-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
Methylene chloride	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
1,1-Dichloroethane	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
2,2-Dichloropropane	ND	0.200		µg/L	1	4/11/2013 10:18:00 AM
cis-1,2-Dichloroethene	0.204	0.100		µg/L	1	4/11/2013 10:18:00 AM
Chloroform	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
1,1-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
Carbon tetrachloride	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
1,2-Dichloroethane	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
Benzene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
Trichloroethene (TCE)	0.471	0.100		µg/L	1	4/11/2013 10:18:00 AM
1,2-Dichloropropane	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
Dichlorobromomethane	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
Dibromomethane	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
Toluene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
1,3-Dichloropropane	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
Tetrachloroethene (PCE)	240	5.00	D	µg/L	50	4/11/2013 5:05:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	4/11/2013 10:18:00 AM
Chlorobenzene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
Ethylbenzene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
m,p-Xylene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1304073

Date Reported: 4/16/2013

**Client:** G-Logics

**Collection Date:** 4/10/2013 11:00:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1304073-006

**Matrix:** Air

**Client Sample ID:** SVE6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8140	Analyst: EM
o-Xylene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
Styrene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
Isopropylbenzene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
Bromoform	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
n-Propylbenzene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
Bromobenzene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
2-Chlorotoluene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
4-Chlorotoluene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
tert-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	4/11/2013 10:18:00 AM
sec-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
4-Isopropyltoluene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
n-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
Hexachlorobutadiene	ND	0.400		µg/L	1	4/11/2013 10:18:00 AM
Naphthalene	ND	0.100		µg/L	1	4/11/2013 10:18:00 AM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	4/11/2013 10:18:00 AM
Surr: Dibromofluoromethane	94.5	68.9-124		%REC	1	4/11/2013 10:18:00 AM
Surr: Toluene-d8	99.6	68.2-129		%REC	1	4/11/2013 10:18:00 AM
Surr: 1-Bromo-4-fluorobenzene	100	83.7-116		%REC	1	4/11/2013 10:18:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1304073

Date Reported: 4/16/2013

**Client:** G-Logics

**Collection Date:** 4/10/2013 11:05:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1304073-007

**Matrix:** Air

**Client Sample ID:** SVE7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8140	Analyst: EM
Dichlorodifluoromethane	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
Chloromethane	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	4/11/2013 12:49:00 PM
Bromomethane	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
Chloroethane	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
Methylene chloride	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	4/11/2013 12:49:00 PM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
Chloroform	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
Benzene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
Trichloroethene (TCE)	0.688	0.100		µg/L	1	4/11/2013 12:49:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
Dibromomethane	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
Toluene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
Tetrachloroethene (PCE)	22.9	1.00	D	µg/L	10	4/11/2013 3:29:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	4/11/2013 12:49:00 PM
Chlorobenzene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
Ethylbenzene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
m,p-Xylene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 4/10/2013 11:05:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1304073-007

**Matrix:** Air

**Client Sample ID:** SVE7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8140	Analyst: EM
o-Xylene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
Styrene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
Bromoform	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
Bromobenzene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	4/11/2013 12:49:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	4/11/2013 12:49:00 PM
Naphthalene	ND	0.100		µg/L	1	4/11/2013 12:49:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	4/11/2013 12:49:00 PM
Surr: Dibromofluoromethane	80.8	68.9-124		%REC	1	4/11/2013 12:49:00 PM
Surr: Toluene-d8	84.5	68.2-129		%REC	1	4/11/2013 12:49:00 PM
Surr: 1-Bromo-4-fluorobenzene	90.0	83.7-116		%REC	1	4/11/2013 12:49:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1304073

Date Reported: 4/16/2013

**Client:** G-Logics

**Collection Date:** 4/10/2013 10:40:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1304073-008

**Matrix:** Air

**Client Sample ID:** SVE8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8140	Analyst: EM
Dichlorodifluoromethane	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
Chloromethane	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	4/11/2013 1:21:00 PM
Bromomethane	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
Chloroethane	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
Methylene chloride	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	4/11/2013 1:21:00 PM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
Chloroform	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
Benzene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
Trichloroethene (TCE)	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
Dibromomethane	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
Toluene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
Tetrachloroethene (PCE)	4.08	0.100		µg/L	1	4/11/2013 1:21:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	4/11/2013 1:21:00 PM
Chlorobenzene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
Ethylbenzene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
m,p-Xylene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





**Client:** G-Logics

**Collection Date:** 4/10/2013 10:40:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1304073-008

**Matrix:** Air

**Client Sample ID:** SVE8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8140

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
Styrene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
Bromoform	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
Bromobenzene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	4/11/2013 1:21:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	4/11/2013 1:21:00 PM
Naphthalene	ND	0.100		µg/L	1	4/11/2013 1:21:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	4/11/2013 1:21:00 PM
Surr: Dibromofluoromethane	96.3	68.9-124		%REC	1	4/11/2013 1:21:00 PM
Surr: Toluene-d8	89.8	68.2-129		%REC	1	4/11/2013 1:21:00 PM
Surr: 1-Bromo-4-fluorobenzene	94.4	83.7-116		%REC	1	4/11/2013 1:21:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1304073

Date Reported: 4/16/2013

**Client:** G-Logics

**Collection Date:** 4/10/2013 10:50:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1304073-009

**Matrix:** Air

**Client Sample ID:** SVE9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8140

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
Chloromethane	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	4/11/2013 1:53:00 PM
Bromomethane	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
Chloroethane	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
Methylene chloride	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	4/11/2013 1:53:00 PM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
Chloroform	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
Benzene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
Trichloroethene (TCE)	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
Dibromomethane	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
Toluene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
Tetrachloroethene (PCE)	6.20	1.00	D	µg/L	10	4/11/2013 4:01:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	4/11/2013 1:53:00 PM
Chlorobenzene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
Ethylbenzene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
m,p-Xylene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 4/10/2013 10:50:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1304073-009

**Matrix:** Air

**Client Sample ID:** SVE9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8140

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
Styrene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
Bromoform	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
Bromobenzene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	4/11/2013 1:53:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	4/11/2013 1:53:00 PM
Naphthalene	ND	0.100		µg/L	1	4/11/2013 1:53:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	4/11/2013 1:53:00 PM
Surr: Dibromofluoromethane	94.1	68.9-124		%REC	1	4/11/2013 1:53:00 PM
Surr: Toluene-d8	87.9	68.2-129		%REC	1	4/11/2013 1:53:00 PM
Surr: 1-Bromo-4-fluorobenzene	93.0	83.7-116		%REC	1	4/11/2013 1:53:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1304073

Date Reported: 4/16/2013

**Client:** G-Logics

**Collection Date:** 4/10/2013 10:30:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1304073-010

**Matrix:** Air

**Client Sample ID:** ExStack

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8140

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
Chloromethane	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	4/11/2013 2:25:00 PM
Bromomethane	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
Chloroethane	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
Methylene chloride	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	4/11/2013 2:25:00 PM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
Chloroform	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
Benzene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
Trichloroethene (TCE)	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
Dibromomethane	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
Toluene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
Tetrachloroethene (PCE)	9.85	1.00	D	µg/L	10	4/11/2013 4:33:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	4/11/2013 2:25:00 PM
Chlorobenzene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
Ethylbenzene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
m,p-Xylene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1304073

Date Reported: 4/16/2013

**Client:** G-Logics

**Collection Date:** 4/10/2013 10:30:00 AM

**Project:** Former Thinker Toys

**Lab ID:** 1304073-010

**Matrix:** Air

**Client Sample ID:** ExStack

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8140

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
Styrene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
Bromoform	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
Bromobenzene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	4/11/2013 2:25:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	4/11/2013 2:25:00 PM
Naphthalene	ND	0.100		µg/L	1	4/11/2013 2:25:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	4/11/2013 2:25:00 PM
Surr: Dibromofluoromethane	90.0	68.9-124		%REC	1	4/11/2013 2:25:00 PM
Surr: Toluene-d8	86.4	68.2-129		%REC	1	4/11/2013 2:25:00 PM
Surr: 1-Bromo-4-fluorobenzene	95.8	83.7-116		%REC	1	4/11/2013 2:25:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits

**Work Order:** 1304073  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R8137</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>4/11/2013</b>	RunNo: <b>8137</b>
Client ID: <b>LCSW</b>	Batch ID: <b>R8137</b>		Analysis Date: <b>4/11/2013</b>	SeqNo: <b>162042</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	1.59	0.100	2.000	0	79.5	46.2	132				
Chloromethane	1.63	0.100	2.000	0	81.4	42.5	131				
Vinyl chloride	1.60	0.0200	2.000	0	80.1	56.2	130				
Bromomethane	1.70	0.100	2.000	0	84.9	45.4	138				
Trichlorofluoromethane	1.61	0.100	2.000	0	80.4	64.7	129				
Chloroethane	1.64	0.100	2.000	0	82.2	62.5	123				
1,1-Dichloroethene	1.61	0.100	2.000	0	80.5	60.7	146				
Methylene chloride	1.59	0.100	2.000	0	79.6	60.3	135				
trans-1,2-Dichloroethene	1.61	0.100	2.000	0	80.6	71.3	129				
Methyl tert-butyl ether (MTBE)	1.58	0.100	2.000	0	78.8	75.4	123				
1,1-Dichloroethane	1.63	0.100	2.000	0	81.6	71.3	129				
2,2-Dichloropropane	1.46	0.200	2.000	0	72.8	37.8	132				
cis-1,2-Dichloroethene	1.89	0.100	2.000	0	94.4	67.5	127				
Chloroform	1.63	0.100	2.000	0	81.6	70.3	123				
1,1,1-Trichloroethane (TCA)	1.62	0.100	2.000	0	81.2	67.9	134				
1,1-Dichloropropene	1.62	0.100	2.000	0	80.8	72.1	133				
Carbon tetrachloride	1.61	0.100	2.000	0	80.6	68	136				
1,2-Dichloroethane	1.65	0.100	2.000	0	82.4	65.8	126				
Benzene	1.64	0.100	2.000	0	81.9	75.2	124				
Trichloroethene (TCE)	1.64	0.100	2.000	0	81.9	71.9	130				
1,2-Dichloropropane	1.60	0.100	2.000	0	80.1	71.9	131				
Dichlorobromomethane	1.60	0.100	2.000	0	79.9	70	130				
Dibromomethane	1.68	0.100	2.000	0	84.0	74.2	125				
cis-1,3-Dichloropropene	1.59	0.100	2.000	0	79.4	62.8	135				
Toluene	1.61	0.100	2.000	0	80.5	75.2	129				
trans-1,3-Dichloropropene	1.52	0.100	2.000	0	76.1	58.1	138				
1,1,2-Trichloroethane	1.57	0.100	2.000	0	78.7	65.4	128				
1,3-Dichloropropane	1.59	0.100	2.000	0	79.4	71.9	131				
Tetrachloroethene (PCE)	1.65	0.100	2.000	0	82.7	52.4	140				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

**Work Order:** 1304073  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R8137</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>4/11/2013</b>	RunNo: <b>8137</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R8137</b>		Analysis Date: <b>4/11/2013</b>	SeqNo: <b>162042</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	1.56	0.100	2.000	0	78.2	68.7	139				
1,2-Dibromoethane (EDB)	1.58	0.00100	2.000	0	79.1	71.2	129				
Chlorobenzene	1.66	0.100	2.000	0	82.8	77.2	122				
1,1,1,2-Tetrachloroethane	1.63	0.100	2.000	0	81.6	76.2	130				
Ethylbenzene	1.66	0.100	2.000	0	83.0	78	127				
m,p-Xylene	3.42	0.100	4.000	0	85.5	77.5	130				
o-Xylene	1.72	0.100	2.000	0	86.2	77.6	126				
Styrene	1.69	0.100	2.000	0	84.5	66.8	137				
Isopropylbenzene	1.65	0.100	2.000	0	82.4	75.9	133				
Bromoform	1.57	0.100	2.000	0	78.4	69.9	142				
1,1,2,2-Tetrachloroethane	1.53	0.100	2.000	0	76.5	68	134				
n-Propylbenzene	1.66	0.100	2.000	0	83.0	77.1	133				
Bromobenzene	1.63	0.100	2.000	0	81.5	71.1	131				
1,3,5-Trimethylbenzene	1.64	0.100	2.000	0	81.9	76.2	133				
2-Chlorotoluene	1.63	0.100	2.000	0	81.6	67.1	137				
4-Chlorotoluene	1.62	0.100	2.000	0	81.1	70.7	132				
tert-Butylbenzene	1.60	0.100	2.000	0	80.0	71.3	139				
1,2,3-Trichloropropane	1.58	0.100	2.000	0	79.1	70.8	132				
1,2,4-Trichlorobenzene	1.52	0.200	2.000	0	76.2	61.4	139				
sec-Butylbenzene	1.62	0.100	2.000	0	81.2	77.4	136				
4-Isopropyltoluene	1.64	0.100	2.000	0	82.2	78.1	131				
1,3-Dichlorobenzene	1.62	0.100	2.000	0	81.1	73.5	125				
1,4-Dichlorobenzene	1.61	0.100	2.000	0	80.7	71.4	125				
n-Butylbenzene	1.59	0.100	2.000	0	79.4	69.8	138				
1,2-Dichlorobenzene	1.66	0.100	2.000	0	82.8	74.2	123				
1,2-Dibromo-3-chloropropane	1.68	0.100	2.000	0	84.0	66.1	138				
1,2,4-Trimethylbenzene	1.63	0.100	2.000	0	81.7	72.3	133				
Hexachlorobutadiene	1.63	0.400	2.000	0	81.4	60.9	141				
Naphthalene	1.63	0.100	2.000	0	81.4	58.2	140				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

**Work Order:** 1304073  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R8137</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>4/11/2013</b>	RunNo: <b>8137</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R8137</b>		Analysis Date: <b>4/11/2013</b>	SeqNo: <b>162042</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichlorobenzene	1.63	0.400	2.000	0	81.6	61.3	133				
Surr: Dibromofluoromethane	5.45		5.000		109	68.9	124				
Surr: Toluene-d8	5.41		5.000		108	68.2	129				
Surr: 1-Bromo-4-fluorobenzene-BFB	5.62		5.000		112	83.7	116				

Sample ID: <b>MB-R8137</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>4/11/2013</b>	RunNo: <b>8137</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R8137</b>		Analysis Date: <b>4/11/2013</b>	SeqNo: <b>162043</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane	ND	0.100									
Chloromethane	ND	0.100									
Vinyl chloride	ND	0.0200									
Bromomethane	ND	0.100									
Trichlorofluoromethane	ND	0.100									
Chloroethane	ND	0.100									
1,1-Dichloroethene	ND	0.100									
Methylene chloride	ND	0.100									
trans-1,2-Dichloroethene	ND	0.100									
Methyl tert-butyl ether (MTBE)	ND	0.100									
1,1-Dichloroethane	ND	0.100									
2,2-Dichloropropane	ND	0.200									
cis-1,2-Dichloroethene	ND	0.100									
Chloroform	ND	0.100									
1,1,1-Trichloroethane (TCA)	ND	0.100									
1,1-Dichloropropene	ND	0.100									
Carbon tetrachloride	ND	0.100									
1,2-Dichloroethane	ND	0.100									
Benzene	ND	0.100									

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits





Date: 4/16/2013

**Work Order:** 1304073  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R8137</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>4/11/2013</b>	RunNo: <b>8137</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R8137</b>		Analysis Date: <b>4/11/2013</b>	SeqNo: <b>162043</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene (TCE)	ND	0.100									
1,2-Dichloropropane	ND	0.100									
Dichlorobromomethane	ND	0.100									
Dibromomethane	ND	0.100									
cis-1,3-Dichloropropene	ND	0.100									
Toluene	ND	0.100									
trans-1,3-Dichloropropene	ND	0.100									
1,1,2-Trichloroethane	ND	0.100									
1,3-Dichloropropane	ND	0.100									
Tetrachloroethene (PCE)	ND	0.100									
Dibromochloromethane	ND	0.100									
1,2-Dibromoethane (EDB)	ND	0.00100									
Chlorobenzene	ND	0.100									
1,1,1,2-Tetrachloroethane	ND	0.100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.100									
o-Xylene	ND	0.100									
Styrene	ND	0.100									
Isopropylbenzene	ND	0.100									
Bromoform	ND	0.100									
1,1,2,2-Tetrachloroethane	ND	0.100									
n-Propylbenzene	ND	0.100									
Bromobenzene	ND	0.100									
1,3,5-Trimethylbenzene	ND	0.100									
2-Chlorotoluene	ND	0.100									
4-Chlorotoluene	ND	0.100									
tert-Butylbenzene	ND	0.100									
1,2,3-Trichloropropane	ND	0.100									
1,2,4-Trichlorobenzene	ND	0.200									

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1304073  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R8137</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>4/11/2013</b>	RunNo: <b>8137</b>
Client ID: <b>MBLKW</b>	Batch ID: <b>R8137</b>		Analysis Date: <b>4/11/2013</b>	SeqNo: <b>162043</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	ND	0.100									
4-Isopropyltoluene	ND	0.100									
1,3-Dichlorobenzene	ND	0.100									
1,4-Dichlorobenzene	ND	0.100									
n-Butylbenzene	ND	0.100									
1,2-Dichlorobenzene	ND	0.100									
1,2-Dibromo-3-chloropropane	ND	0.100									
1,2,4-Trimethylbenzene	ND	0.100									
Hexachlorobutadiene	ND	0.400									
Naphthalene	ND	0.100									
1,2,3-Trichlorobenzene	ND	0.400									
Surr: Dibromofluoromethane	5.46		5.000		109	68.9	124				
Surr: Toluene-d8	5.46		5.000		109	68.2	129				
Surr: 1-Bromo-4-fluorobenzene-BFB	5.61		5.000		112	83.7	116				

Sample ID: <b>LCS-R8140</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>4/11/2013</b>	RunNo: <b>8140</b>
Client ID: <b>LCSW</b>	Batch ID: <b>R8140</b>		Analysis Date: <b>4/11/2013</b>	SeqNo: <b>162072</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	1.81	0.100	2.000	0	90.7	46.2	132				
Chloromethane	1.88	0.100	2.000	0	93.8	42.5	131				
Vinyl chloride	1.96	0.0200	2.000	0	97.8	56.2	130				
Bromomethane	1.67	0.100	2.000	0	83.5	45.4	138				
Trichlorofluoromethane	2.00	0.100	2.000	0	99.8	64.7	129				
Chloroethane	2.13	0.100	2.000	0	107	62.5	123				
1,1-Dichloroethene	2.01	0.100	2.000	0	100	60.7	146				
Methylene chloride	2.01	0.100	2.000	0	101	60.3	135				
trans-1,2-Dichloroethene	1.96	0.100	2.000	0	98.0	71.3	129				

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1304073  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R8140</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>4/11/2013</b>	RunNo: <b>8140</b>
Client ID: <b>LCSW</b>	Batch ID: <b>R8140</b>		Analysis Date: <b>4/11/2013</b>	SeqNo: <b>162072</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	1.89	0.100	2.000	0	94.7	75.4	123				
1,1-Dichloroethane	1.99	0.100	2.000	0	99.5	71.3	129				
2,2-Dichloropropane	1.62	0.200	2.000	0	81.2	37.8	132				
cis-1,2-Dichloroethene	1.94	0.100	2.000	0	96.8	67.5	127				
Chloroform	2.12	0.100	2.000	0	106	70.3	123				
1,1,1-Trichloroethane (TCA)	2.03	0.100	2.000	0	102	67.9	134				
1,1-Dichloropropene	1.98	0.100	2.000	0	98.9	72.1	133				
Carbon tetrachloride	1.98	0.100	2.000	0	99.2	68	136				
1,2-Dichloroethane	1.97	0.100	2.000	0	98.4	65.8	126				
Benzene	1.93	0.100	2.000	0	96.7	75.2	124				
Trichloroethene (TCE)	1.99	0.100	2.000	0	99.3	71.9	130				
1,2-Dichloropropane	1.92	0.100	2.000	0	96.0	71.9	131				
Dichlorobromomethane	1.99	0.100	2.000	0	99.5	70	130				
Dibromomethane	1.97	0.100	2.000	0	98.3	74.2	125				
cis-1,3-Dichloropropene	1.90	0.100	2.000	0	95.0	62.8	135				
Toluene	1.94	0.100	2.000	0	96.9	75.2	129				
trans-1,3-Dichloropropene	1.87	0.100	2.000	0	93.4	58.1	138				
1,1,2-Trichloroethane	1.86	0.100	2.000	0	93.2	65.4	128				
1,3-Dichloropropane	1.91	0.100	2.000	0	95.4	71.9	131				
Tetrachloroethene (PCE)	1.92	0.100	2.000	0	95.8	52.4	140				
Dibromochloromethane	1.94	0.100	2.000	0	97.0	68.7	139				
1,2-Dibromoethane (EDB)	1.86	0.00100	2.000	0	93.0	71.2	129				
Chlorobenzene	1.98	0.100	2.000	0	98.9	77.2	122				
1,1,1,2-Tetrachloroethane	1.97	0.100	2.000	0	98.5	76.2	130				
Ethylbenzene	1.97	0.100	2.000	0	98.3	78	127				
m,p-Xylene	3.91	0.100	4.000	0	97.8	77.5	130				
o-Xylene	1.97	0.100	2.000	0	98.4	77.6	126				
Styrene	1.93	0.100	2.000	0	96.4	66.8	137				
Isopropylbenzene	1.92	0.100	2.000	0	95.8	75.9	133				

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1304073  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R8140</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>4/11/2013</b>	RunNo: <b>8140</b>
Client ID: <b>LCSW</b>	Batch ID: <b>R8140</b>		Analysis Date: <b>4/11/2013</b>	SeqNo: <b>162072</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	1.94	0.100	2.000	0	97.0	69.9	142				
1,1,2,2-Tetrachloroethane	1.91	0.100	2.000	0	95.7	68	134				
n-Propylbenzene	2.04	0.100	2.000	0	102	77.1	133				
Bromobenzene	2.01	0.100	2.000	0	100	71.1	131				
1,3,5-Trimethylbenzene	2.01	0.100	2.000	0	100	76.2	133				
2-Chlorotoluene	2.00	0.100	2.000	0	99.8	67.1	137				
4-Chlorotoluene	1.90	0.100	2.000	0	95.1	70.7	132				
tert-Butylbenzene	1.92	0.100	2.000	0	96.2	71.3	139				
1,2,3-Trichloropropane	1.97	0.100	2.000	0	98.6	70.8	132				
1,2,4-Trichlorobenzene	2.03	0.200	2.000	0	101	61.4	139				
sec-Butylbenzene	1.90	0.100	2.000	0	94.8	77.4	136				
4-Isopropyltoluene	1.90	0.100	2.000	0	95.0	78.1	131				
1,3-Dichlorobenzene	1.95	0.100	2.000	0	97.3	73.5	125				
1,4-Dichlorobenzene	1.89	0.100	2.000	0	94.5	71.4	125				
n-Butylbenzene	2.00	0.100	2.000	0	100	69.8	138				
1,2-Dichlorobenzene	2.02	0.100	2.000	0	101	74.2	123				
1,2-Dibromo-3-chloropropane	2.06	0.100	2.000	0	103	66.1	138				
1,2,4-Trimethylbenzene	1.90	0.100	2.000	0	94.8	72.3	133				
Hexachlorobutadiene	2.05	0.400	2.000	0	103	60.9	141				
Naphthalene	2.07	0.100	2.000	0	103	58.2	140				
1,2,3-Trichlorobenzene	2.01	0.400	2.000	0	101	61.3	133				
Surr: Dibromofluoromethane	0.987		1.000		98.7	68.9	124				
Surr: Toluene-d8	0.995		1.000		99.5	68.2	129				
Surr: 1-Bromo-4-fluorobenzene-BFB	1.03		1.000		103	83.7	116				

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Date: 4/16/2013

**Work Order:** 1304073  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R8140</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>4/11/2013</b>	RunNo: <b>8140</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R8140</b>		Analysis Date: <b>4/11/2013</b>	SeqNo: <b>162073</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane	ND	0.100									
Chloromethane	ND	0.100									
Vinyl chloride	ND	0.0200									
Bromomethane	ND	0.100									
Trichlorofluoromethane	ND	0.100									
Chloroethane	ND	0.100									
1,1-Dichloroethene	ND	0.100									
Methylene chloride	ND	0.100									
trans-1,2-Dichloroethene	ND	0.100									
Methyl tert-butyl ether (MTBE)	ND	0.100									
1,1-Dichloroethane	ND	0.100									
2,2-Dichloropropane	ND	0.200									
cis-1,2-Dichloroethene	ND	0.100									
Chloroform	ND	0.100									
1,1,1-Trichloroethane (TCA)	ND	0.100									
1,1-Dichloropropene	ND	0.100									
Carbon tetrachloride	ND	0.100									
1,2-Dichloroethane	ND	0.100									
Benzene	ND	0.100									
Trichloroethene (TCE)	ND	0.100									
1,2-Dichloropropane	ND	0.100									
Dichlorobromomethane	ND	0.100									
Dibromomethane	ND	0.100									
cis-1,3-Dichloropropene	ND	0.100									
Toluene	ND	0.100									
trans-1,3-Dichloropropene	ND	0.100									
1,1,2-Trichloroethane	ND	0.100									
1,3-Dichloropropane	ND	0.100									
Tetrachloroethene (PCE)	ND	0.100									

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1304073  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R8140</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>4/11/2013</b>	RunNo: <b>8140</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R8140</b>		Analysis Date: <b>4/11/2013</b>	SeqNo: <b>162073</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dibromochloromethane	ND	0.100									
1,2-Dibromoethane (EDB)	ND	0.00100									
Chlorobenzene	ND	0.100									
1,1,1,2-Tetrachloroethane	ND	0.100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.100									
o-Xylene	ND	0.100									
Styrene	ND	0.100									
Isopropylbenzene	ND	0.100									
Bromoform	ND	0.100									
1,1,2,2-Tetrachloroethane	ND	0.100									
n-Propylbenzene	ND	0.100									
Bromobenzene	ND	0.100									
1,3,5-Trimethylbenzene	ND	0.100									
2-Chlorotoluene	ND	0.100									
4-Chlorotoluene	ND	0.100									
tert-Butylbenzene	ND	0.100									
1,2,3-Trichloropropane	ND	0.100									
1,2,4-Trichlorobenzene	ND	0.200									
sec-Butylbenzene	ND	0.100									
4-Isopropyltoluene	ND	0.100									
1,3-Dichlorobenzene	ND	0.100									
1,4-Dichlorobenzene	ND	0.100									
n-Butylbenzene	ND	0.100									
1,2-Dichlorobenzene	ND	0.100									
1,2-Dibromo-3-chloropropane	ND	0.100									
1,2,4-Trimethylbenzene	ND	0.100									
Hexachlorobutadiene	ND	0.400									
Naphthalene	ND	0.100									

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1304073  
**CLIENT:** G-Logics  
**Project:** Former Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R8140</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>4/11/2013</b>	RunNo: <b>8140</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R8140</b>		Analysis Date: <b>4/11/2013</b>	SeqNo: <b>162073</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichlorobenzene	ND	0.400								
Surr: Dibromofluoromethane	1.02		1.000		102	68.9	124			
Surr: Toluene-d8	1.04		1.000		104	68.2	129			
Surr: 1-Bromo-4-fluorobenzene-BFB	0.976		1.000		97.6	83.7	116			

**Qualifiers:**
B Analyte detected in the associated Method Blank
D Dilution was required
E Value above quantitation range  
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not detected at the Reporting Limit  
R RPD outside accepted recovery limits
RL Reporting Limit
S Spike recovery outside accepted recovery limits

Client Name: **GL**

 Work Order Number: **1304073**

 Logged by: **Clare Griggs**

 Date Received: **4/10/2013 11:45:00 AM**

### Chain of Custody

1. Were custodial seals present? Yes  No  Not Required
2. Is Chain of Custody complete? Yes  No  Not Present
3. How was the sample delivered? Client

### Log In

4. Coolers are present? Yes  No  NA
- Air Samples**
5. Was an attempt made to cool the samples? Yes  No  NA
6. Were all coolers received at a temperature of >0° C to 10.0°C Yes  No  NA
7. Sample(s) in proper container(s)? Yes  No
8. Sufficient sample volume for indicated test(s)? Yes  No
9. Are samples properly preserved? Yes  No
10. Was preservative added to bottles? Yes  No  NA
11. Is there headspace present in VOA vials? Yes  No  NA
12. Did all sample containers arrive in good condition?(unbroken) Yes  No
13. Does paperwork match bottle labels? Yes  No
14. Are matrices correctly identified on Chain of Custody? Yes  No
15. Is it clear what analyses were requested? Yes  No
16. Were all holding times able to be met? Yes  No

### Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks/Discrepancies

### Item Information







3600 Fremont Ave. N.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**G-Logics**

Dan Hatch  
40 Second Ave. SE  
Issaquah, Washington 98027

**RE: Thinker Toys**

**Lab ID: 1305215**

June 13, 2013

**Attention Dan Hatch:**

Fremont Analytical, Inc. received 10 sample(s) on 5/30/2013 for the analyses presented in the following report.

***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee  
Sr. Chemist / Principal



Date: 06/13/2013

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**CLIENT:** G-Logics  
**Project:** Thinker Toys  
**Lab Order:** 1305215

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## Work Order Sample Summary

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Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1305215-001	Exhaust Stack	05/30/2013 11:45 AM	05/30/2013 1:00 PM
1305215-002	SVE-1	05/30/2013 12:02 PM	05/30/2013 1:00 PM
1305215-003	SVE-2	05/30/2013 11:57 AM	05/30/2013 1:00 PM
1305215-004	SVE-3	05/30/2013 12:05 PM	05/30/2013 1:00 PM
1305215-005	SVE-4	05/30/2013 11:50 AM	05/30/2013 1:00 PM
1305215-006	SVE-5	05/30/2013 12:15 PM	05/30/2013 1:00 PM
1305215-007	SVE-6	05/30/2013 12:10 PM	05/30/2013 1:00 PM
1305215-008	SVE-7	05/30/2013 12:05 PM	05/30/2013 1:00 PM
1305215-009	SVE-8	05/30/2013 11:55 AM	05/30/2013 1:00 PM
1305215-010	SVE-9	05/30/2013 12:05 PM	05/30/2013 1:00 PM

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Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

**CLIENT:** G-Logics  
**Project:** Thinker Toys

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**I. SAMPLE RECEIPT:**

Samples receipt information is recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



# Analytical Report

WO#: 1305215

Date Reported: 6/13/2013

**Client:** G-Logics

**Collection Date:** 5/30/2013 11:45:00 AM

**Project:** Thinker Toys

**Lab ID:** 1305215-001

**Matrix:** Air

**Client Sample ID:** Exhaust Stack

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8803	Analyst: EM
Dichlorodifluoromethane	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
Chloromethane	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	5/31/2013 12:06:00 PM
Bromomethane	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
Chloroethane	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
Methylene chloride	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	5/31/2013 12:06:00 PM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
Chloroform	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
Benzene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
Trichloroethene (TCE)	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
Dibromomethane	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
Toluene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>8.03</b>	0.100		µg/L	1	5/31/2013 12:06:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	5/31/2013 12:06:00 PM
Chlorobenzene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
Ethylbenzene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
m,p-Xylene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 5/30/2013 11:45:00 AM

**Project:** Thinker Toys

**Lab ID:** 1305215-001

**Matrix:** Air

**Client Sample ID:** Exhaust Stack

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8803	Analyst: EM
o-Xylene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
Styrene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
Bromoform	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
Bromobenzene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	5/31/2013 12:06:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	5/31/2013 12:06:00 PM
Naphthalene	ND	0.100		µg/L	1	5/31/2013 12:06:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	5/31/2013 12:06:00 PM
Surr: 1-Bromo-4-fluorobenzene	106	83.7-116		%REC	1	5/31/2013 12:06:00 PM
Surr: Dibromofluoromethane	105	67.1-129		%REC	1	5/31/2013 12:06:00 PM
Surr: Toluene-d8	100	68.2-129		%REC	1	5/31/2013 12:06:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1305215

Date Reported: 6/13/2013

**Client:** G-Logics

**Collection Date:** 5/30/2013 12:02:00 PM

**Project:** Thinker Toys

**Lab ID:** 1305215-002

**Matrix:** Air

**Client Sample ID:** SVE-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8803

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
Chloromethane	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	5/31/2013 1:42:00 PM
Bromomethane	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
Chloroethane	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
Methylene chloride	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	5/31/2013 1:42:00 PM
<b>cis-1,2-Dichloroethene</b>	<b>0.333</b>	0.100		µg/L	1	5/31/2013 1:42:00 PM
Chloroform	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
Benzene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
Trichloroethene (TCE)	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
Dibromomethane	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
Toluene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>16.4</b>	0.100		µg/L	1	5/31/2013 1:42:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	5/31/2013 1:42:00 PM
Chlorobenzene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
Ethylbenzene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
m,p-Xylene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1305215

Date Reported: 6/13/2013

**Client:** G-Logics

**Collection Date:** 5/30/2013 12:02:00 PM

**Project:** Thinker Toys

**Lab ID:** 1305215-002

**Matrix:** Air

**Client Sample ID:** SVE-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8803	Analyst: EM
o-Xylene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
Styrene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
Bromoform	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
Bromobenzene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	5/31/2013 1:42:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	5/31/2013 1:42:00 PM
Naphthalene	ND	0.100		µg/L	1	5/31/2013 1:42:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	5/31/2013 1:42:00 PM
Surr: Dibromofluoromethane	103	67.1-129		%REC	1	5/31/2013 1:42:00 PM
Surr: Toluene-d8	100	68.2-129		%REC	1	5/31/2013 1:42:00 PM
Surr: 1-Bromo-4-fluorobenzene	106	83.7-116		%REC	1	5/31/2013 1:42:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1305215

Date Reported: 6/13/2013

**Client:** G-Logics

**Collection Date:** 5/30/2013 11:57:00 AM

**Project:** Thinker Toys

**Lab ID:** 1305215-003

**Matrix:** Air

**Client Sample ID:** SVE-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8803	Analyst: EM
Dichlorodifluoromethane	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
Chloromethane	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	5/31/2013 2:30:00 PM
Bromomethane	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
Chloroethane	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
Methylene chloride	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	5/31/2013 2:30:00 PM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
Chloroform	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
Benzene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
Trichloroethene (TCE)	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
Dibromomethane	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
Toluene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>6.27</b>	0.100		µg/L	1	5/31/2013 2:30:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	5/31/2013 2:30:00 PM
Chlorobenzene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
Ethylbenzene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
m,p-Xylene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 5/30/2013 11:57:00 AM

**Project:** Thinker Toys

**Lab ID:** 1305215-003

**Matrix:** Air

**Client Sample ID:** SVE-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8803	Analyst: EM
o-Xylene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
Styrene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
Bromoform	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
Bromobenzene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	5/31/2013 2:30:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	5/31/2013 2:30:00 PM
Naphthalene	ND	0.100		µg/L	1	5/31/2013 2:30:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	5/31/2013 2:30:00 PM
Surr: Dibromofluoromethane	110	67.1-129		%REC	1	5/31/2013 2:30:00 PM
Surr: Toluene-d8	100	68.2-129		%REC	1	5/31/2013 2:30:00 PM
Surr: 1-Bromo-4-fluorobenzene	110	83.7-116		%REC	1	5/31/2013 2:30:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1305215

Date Reported: 6/13/2013

**Client:** G-Logics

**Collection Date:** 5/30/2013 12:05:00 PM

**Project:** Thinker Toys

**Lab ID:** 1305215-004

**Matrix:** Air

**Client Sample ID:** SVE-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8803

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
Chloromethane	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	5/31/2013 3:20:00 PM
Bromomethane	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
Chloroethane	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
Methylene chloride	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	5/31/2013 3:20:00 PM
<b>cis-1,2-Dichloroethene</b>	<b>1.08</b>	0.100		µg/L	1	5/31/2013 3:20:00 PM
Chloroform	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
Benzene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
<b>Trichloroethene (TCE)</b>	<b>0.494</b>	0.100		µg/L	1	5/31/2013 3:20:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
Dibromomethane	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
Toluene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>14.8</b>	0.100		µg/L	1	5/31/2013 3:20:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	5/31/2013 3:20:00 PM
Chlorobenzene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
Ethylbenzene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
m,p-Xylene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 5/30/2013 12:05:00 PM

**Project:** Thinker Toys

**Lab ID:** 1305215-004

**Matrix:** Air

**Client Sample ID:** SVE-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8803

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
Styrene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
Bromoform	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
Bromobenzene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	5/31/2013 3:20:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	5/31/2013 3:20:00 PM
Naphthalene	ND	0.100		µg/L	1	5/31/2013 3:20:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	5/31/2013 3:20:00 PM
Surr: Dibromofluoromethane	109	67.1-129		%REC	1	5/31/2013 3:20:00 PM
Surr: Toluene-d8	103	68.2-129		%REC	1	5/31/2013 3:20:00 PM
Surr: 1-Bromo-4-fluorobenzene	108	83.7-116		%REC	1	5/31/2013 3:20:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1305215

Date Reported: 6/13/2013

**Client:** G-Logics

**Collection Date:** 5/30/2013 11:50:00 AM

**Project:** Thinker Toys

**Lab ID:** 1305215-005

**Matrix:** Air

**Client Sample ID:** SVE-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8803	Analyst: EM
Dichlorodifluoromethane	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
Chloromethane	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	5/31/2013 4:08:00 PM
Bromomethane	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
Chloroethane	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
Methylene chloride	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	5/31/2013 4:08:00 PM
<b>cis-1,2-Dichloroethene</b>	<b>0.396</b>	0.100		µg/L	1	5/31/2013 4:08:00 PM
Chloroform	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
Benzene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
<b>Trichloroethene (TCE)</b>	<b>2.52</b>	0.100		µg/L	1	5/31/2013 4:08:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
Dibromomethane	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
Toluene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>78.2</b>	0.100		µg/L	1	5/31/2013 4:08:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	5/31/2013 4:08:00 PM
Chlorobenzene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
Ethylbenzene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
m,p-Xylene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 5/30/2013 11:50:00 AM

**Project:** Thinker Toys

**Lab ID:** 1305215-005

**Matrix:** Air

**Client Sample ID:** SVE-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8803

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
Styrene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
Bromoform	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
Bromobenzene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	5/31/2013 4:08:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	5/31/2013 4:08:00 PM
Naphthalene	ND	0.100		µg/L	1	5/31/2013 4:08:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	5/31/2013 4:08:00 PM
Surr: Dibromofluoromethane	109	67.1-129		%REC	1	5/31/2013 4:08:00 PM
Surr: Toluene-d8	100	68.2-129		%REC	1	5/31/2013 4:08:00 PM
Surr: 1-Bromo-4-fluorobenzene	106	83.7-116		%REC	1	5/31/2013 4:08:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1305215

Date Reported: 6/13/2013

**Client:** G-Logics

**Collection Date:** 5/30/2013 12:15:00 PM

**Project:** Thinker Toys

**Lab ID:** 1305215-006

**Matrix:** Air

**Client Sample ID:** SVE-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8803

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
Chloromethane	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	5/31/2013 4:56:00 PM
Bromomethane	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
<b>Chloroethane</b>	<b>0.222</b>	0.100		µg/L	1	5/31/2013 4:56:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
Methylene chloride	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	5/31/2013 4:56:00 PM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
Chloroform	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
Benzene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
<b>Trichloroethene (TCE)</b>	<b>0.473</b>	0.100		µg/L	1	5/31/2013 4:56:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
Dibromomethane	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
Toluene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>33.3</b>	0.100		µg/L	1	5/31/2013 4:56:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	5/31/2013 4:56:00 PM
Chlorobenzene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
Ethylbenzene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
m,p-Xylene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 5/30/2013 12:15:00 PM

**Project:** Thinker Toys

**Lab ID:** 1305215-006

**Matrix:** Air

**Client Sample ID:** SVE-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8803

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
Styrene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
Bromoform	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
Bromobenzene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	5/31/2013 4:56:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	5/31/2013 4:56:00 PM
Naphthalene	ND	0.100		µg/L	1	5/31/2013 4:56:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	5/31/2013 4:56:00 PM
Surr: Dibromofluoromethane	110	67.1-129		%REC	1	5/31/2013 4:56:00 PM
Surr: Toluene-d8	99.7	68.2-129		%REC	1	5/31/2013 4:56:00 PM
Surr: 1-Bromo-4-fluorobenzene	111	83.7-116		%REC	1	5/31/2013 4:56:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1305215

Date Reported: 6/13/2013

**Client:** G-Logics

**Collection Date:** 5/30/2013 12:10:00 PM

**Project:** Thinker Toys

**Lab ID:** 1305215-007

**Matrix:** Air

**Client Sample ID:** SVE-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8803

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
Chloromethane	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	5/31/2013 5:44:00 PM
Bromomethane	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
Chloroethane	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
Methylene chloride	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	5/31/2013 5:44:00 PM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
Chloroform	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
Benzene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
Trichloroethene (TCE)	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
Dibromomethane	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
Toluene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>47.4</b>	0.100		µg/L	1	5/31/2013 5:44:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	5/31/2013 5:44:00 PM
Chlorobenzene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
Ethylbenzene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
m,p-Xylene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1305215

Date Reported: 6/13/2013

**Client:** G-Logics

**Collection Date:** 5/30/2013 12:10:00 PM

**Project:** Thinker Toys

**Lab ID:** 1305215-007

**Matrix:** Air

**Client Sample ID:** SVE-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8803	Analyst: EM
o-Xylene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
Styrene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
Bromoform	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
Bromobenzene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	5/31/2013 5:44:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	5/31/2013 5:44:00 PM
Naphthalene	ND	0.100		µg/L	1	5/31/2013 5:44:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	5/31/2013 5:44:00 PM
Surr: Dibromofluoromethane	107	67.1-129		%REC	1	5/31/2013 5:44:00 PM
Surr: Toluene-d8	102	68.2-129		%REC	1	5/31/2013 5:44:00 PM
Surr: 1-Bromo-4-fluorobenzene	106	83.7-116		%REC	1	5/31/2013 5:44:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1305215

Date Reported: 6/13/2013

**Client:** G-Logics

**Collection Date:** 5/30/2013 12:05:00 PM

**Project:** Thinker Toys

**Lab ID:** 1305215-008

**Matrix:** Air

**Client Sample ID:** SVE-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8803	Analyst: EM
Dichlorodifluoromethane	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
Chloromethane	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	5/31/2013 6:32:00 PM
Bromomethane	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
Chloroethane	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
Methylene chloride	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	5/31/2013 6:32:00 PM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
Chloroform	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
Benzene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
Trichloroethene (TCE)	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
Dibromomethane	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
Toluene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>6.02</b>	0.100		µg/L	1	5/31/2013 6:32:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	5/31/2013 6:32:00 PM
Chlorobenzene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
Ethylbenzene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
m,p-Xylene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 5/30/2013 12:05:00 PM

**Project:** Thinker Toys

**Lab ID:** 1305215-008

**Matrix:** Air

**Client Sample ID:** SVE-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8803

Analyst: EM

o-Xylene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
Styrene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
Bromoform	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
Bromobenzene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	5/31/2013 6:32:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	5/31/2013 6:32:00 PM
Naphthalene	ND	0.100		µg/L	1	5/31/2013 6:32:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	5/31/2013 6:32:00 PM
Surr: Dibromofluoromethane	107	67.1-129		%REC	1	5/31/2013 6:32:00 PM
Surr: Toluene-d8	104	68.2-129		%REC	1	5/31/2013 6:32:00 PM
Surr: 1-Bromo-4-fluorobenzene	108	83.7-116		%REC	1	5/31/2013 6:32:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1305215

Date Reported: 6/13/2013

**Client:** G-Logics

**Collection Date:** 5/30/2013 11:55:00 AM

**Project:** Thinker Toys

**Lab ID:** 1305215-009

**Matrix:** Air

**Client Sample ID:** SVE-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8803

Analyst: EM

Dichlorodifluoromethane	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
Chloromethane	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	5/31/2013 7:20:00 PM
Bromomethane	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
Chloroethane	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
Methylene chloride	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	5/31/2013 7:20:00 PM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
Chloroform	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
Benzene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
Trichloroethene (TCE)	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
Dibromomethane	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
Toluene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>4.75</b>	0.100		µg/L	1	5/31/2013 7:20:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	5/31/2013 7:20:00 PM
Chlorobenzene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
Ethylbenzene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
m,p-Xylene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 5/30/2013 11:55:00 AM

**Project:** Thinker Toys

**Lab ID:** 1305215-009

**Matrix:** Air

**Client Sample ID:** SVE-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8803	Analyst: EM
o-Xylene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
Styrene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
Bromoform	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
Bromobenzene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	5/31/2013 7:20:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	5/31/2013 7:20:00 PM
Naphthalene	ND	0.100		µg/L	1	5/31/2013 7:20:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	5/31/2013 7:20:00 PM
Surr: Dibromofluoromethane	106	67.1-129		%REC	1	5/31/2013 7:20:00 PM
Surr: Toluene-d8	102	68.2-129		%REC	1	5/31/2013 7:20:00 PM
Surr: 1-Bromo-4-fluorobenzene	108	83.7-116		%REC	1	5/31/2013 7:20:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1305215

Date Reported: 6/13/2013

**Client:** G-Logics

**Collection Date:** 5/30/2013 12:05:00 PM

**Project:** Thinker Toys

**Lab ID:** 1305215-010

**Matrix:** Air

**Client Sample ID:** SVE-9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8803	Analyst: EM
Dichlorodifluoromethane	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
Chloromethane	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	5/31/2013 8:08:00 PM
Bromomethane	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
<b>Chloroethane</b>	<b>0.222</b>	0.100		µg/L	1	5/31/2013 8:08:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
Methylene chloride	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	5/31/2013 8:08:00 PM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
Chloroform	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
Benzene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
Trichloroethene (TCE)	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
Dibromomethane	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
Toluene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>13.7</b>	0.100		µg/L	1	5/31/2013 8:08:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	5/31/2013 8:08:00 PM
Chlorobenzene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
Ethylbenzene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
m,p-Xylene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1305215

Date Reported: 6/13/2013

**Client:** G-Logics

**Collection Date:** 5/30/2013 12:05:00 PM

**Project:** Thinker Toys

**Lab ID:** 1305215-010

**Matrix:** Air

**Client Sample ID:** SVE-9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8803	Analyst: EM
o-Xylene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
Styrene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
Bromoform	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
Bromobenzene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	5/31/2013 8:08:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	5/31/2013 8:08:00 PM
Naphthalene	ND	0.100		µg/L	1	5/31/2013 8:08:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	5/31/2013 8:08:00 PM
Surr: Dibromofluoromethane	102	67.1-129		%REC	1	5/31/2013 8:08:00 PM
Surr: Toluene-d8	92.6	68.2-129		%REC	1	5/31/2013 8:08:00 PM
Surr: 1-Bromo-4-fluorobenzene	103	83.7-116		%REC	1	5/31/2013 8:08:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





Date: 6/13/2013

**Work Order:** 1305215  
**CLIENT:** G-Logics  
**Project:** Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R8803</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>5/31/2013</b>	RunNo: <b>8803</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R8803</b>		Analysis Date: <b>5/31/2013</b>	SeqNo: <b>176784</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane	ND	0.100									
Chloromethane	ND	0.100									
Vinyl chloride	ND	0.0200									
Bromomethane	ND	0.100									
Trichlorofluoromethane	ND	0.100									
Chloroethane	ND	0.100									
1,1-Dichloroethene	ND	0.100									
Methylene chloride	ND	0.100									
trans-1,2-Dichloroethene	ND	0.100									
Methyl tert-butyl ether (MTBE)	ND	0.100									
1,1-Dichloroethane	ND	0.100									
2,2-Dichloropropane	ND	0.200									
cis-1,2-Dichloroethene	ND	0.100									
Chloroform	ND	0.100									
1,1,1-Trichloroethane (TCA)	ND	0.100									
1,1-Dichloropropene	ND	0.100									
Carbon tetrachloride	ND	0.100									
1,2-Dichloroethane	ND	0.100									
Benzene	ND	0.100									
Trichloroethene (TCE)	ND	0.100									
1,2-Dichloropropane	ND	0.100									
Dichlorobromomethane	ND	0.100									
Dibromomethane	ND	0.100									
cis-1,3-Dichloropropene	ND	0.100									
Toluene	ND	0.100									
trans-1,3-Dichloropropene	ND	0.100									
1,1,2-Trichloroethane	ND	0.100									
1,3-Dichloropropane	ND	0.100									
Tetrachloroethene (PCE)	ND	0.100									

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1305215  
**CLIENT:** G-Logics  
**Project:** Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R8803</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>5/31/2013</b>	RunNo: <b>8803</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R8803</b>		Analysis Date: <b>5/31/2013</b>	SeqNo: <b>176784</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dibromochloromethane	ND	0.100									
1,2-Dibromoethane (EDB)	ND	0.00100									
Chlorobenzene	ND	0.100									
1,1,1,2-Tetrachloroethane	ND	0.100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.100									
o-Xylene	ND	0.100									
Styrene	ND	0.100									
Isopropylbenzene	ND	0.100									
Bromoform	ND	0.100									
1,1,2,2-Tetrachloroethane	ND	0.100									
n-Propylbenzene	ND	0.100									
Bromobenzene	ND	0.100									
1,3,5-Trimethylbenzene	ND	0.100									
2-Chlorotoluene	ND	0.100									
4-Chlorotoluene	ND	0.100									
tert-Butylbenzene	ND	0.100									
1,2,3-Trichloropropane	ND	0.100									
1,2,4-Trichlorobenzene	ND	0.200									
sec-Butylbenzene	ND	0.100									
4-Isopropyltoluene	ND	0.100									
1,3-Dichlorobenzene	ND	0.100									
1,4-Dichlorobenzene	ND	0.100									
n-Butylbenzene	ND	0.100									
1,2-Dichlorobenzene	ND	0.100									
1,2-Dibromo-3-chloropropane	ND	0.100									
1,2,4-Trimethylbenzene	ND	0.100									
Hexachlorobutadiene	ND	0.400									
Naphthalene	ND	0.100									

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1305215  
**CLIENT:** G-Logics  
**Project:** Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R8803</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>5/31/2013</b>	RunNo: <b>8803</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R8803</b>		Analysis Date: <b>5/31/2013</b>	SeqNo: <b>176784</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichlorobenzene	ND	0.400									
Surr: 1-Bromo-4-fluorobenzene-BFB	5.42		5.000		108	83.7	116				
Surr: Dibromofluoromethane	5.47		5.000		109	67.1	129				
Surr: Toluene-d8	5.40		5.000		108	68.2	129				

Sample ID: <b>LCS-R8803</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>5/31/2013</b>	RunNo: <b>8803</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R8803</b>		Analysis Date: <b>5/31/2013</b>	SeqNo: <b>176785</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane	2.28	0.100	2.000	0	114	46.2	132				
Chloromethane	2.52	0.100	2.000	0	126	42.5	131				
Vinyl chloride	2.51	0.0200	2.000	0	126	56.2	130				
Bromomethane	2.35	0.100	2.000	0	118	45.4	138				
Trichlorofluoromethane	2.13	0.100	2.000	0	107	64.7	129				
Chloroethane	2.34	0.100	2.000	0	117	62.5	123				
1,1-Dichloroethene	2.24	0.100	2.000	0	112	60.7	146				
Methylene chloride	2.36	0.100	2.000	0	118	60.3	135				
trans-1,2-Dichloroethene	2.40	0.100	2.000	0	120	71.3	129				
Methyl tert-butyl ether (MTBE)	2.44	0.100	2.000	0	122	75.4	123				
1,1-Dichloroethane	2.30	0.100	2.000	0	115	71.3	129				
2,2-Dichloropropane	2.10	0.200	2.000	0	105	37.8	132				
cis-1,2-Dichloroethene	2.25	0.100	2.000	0	113	67.5	127				
Chloroform	2.38	0.100	2.000	0	119	70.3	123				
1,1,1-Trichloroethane (TCA)	2.24	0.100	2.000	0	112	67.9	134				
1,1-Dichloropropene	2.16	0.100	2.000	0	108	72.1	133				
Carbon tetrachloride	2.13	0.100	2.000	0	106	68	136				
1,2-Dichloroethane	2.51	0.100	2.000	0	126	65.8	126				
Benzene	2.26	0.100	2.000	0	113	75.2	124				

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1305215  
**CLIENT:** G-Logics  
**Project:** Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R8803</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>5/31/2013</b>	RunNo: <b>8803</b>
Client ID: <b>LCSW</b>	Batch ID: <b>R8803</b>		Analysis Date: <b>5/31/2013</b>	SeqNo: <b>176785</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	2.28	0.100	2.000	0	114	71.9	130				
1,2-Dichloropropane	2.56	0.100	2.000	0	128	71.9	131				
Dichlorobromomethane	2.41	0.100	2.000	0	120	70	130				
Dibromomethane	2.16	0.100	2.000	0	108	74.2	125				
cis-1,3-Dichloropropene	2.52	0.100	2.000	0	126	62.8	135				
Toluene	2.34	0.100	2.000	0	117	75.2	129				
trans-1,3-Dichloropropene	2.58	0.100	2.000	0	129	58.1	138				
1,1,2-Trichloroethane	2.29	0.100	2.000	0	114	65.4	128				
1,3-Dichloropropane	1.92	0.100	2.000	0	96.0	71.9	131				
Tetrachloroethene (PCE)	2.08	0.100	2.000	0	104	52.4	140				
Dibromochloromethane	2.07	0.100	2.000	0	103	68.7	139				
1,2-Dibromoethane (EDB)	2.13	0.00100	2.000	0	107	71.2	129				
Chlorobenzene	2.01	0.100	2.000	0	101	77.2	122				
1,1,1,2-Tetrachloroethane	1.94	0.100	2.000	0	97.0	76.2	130				
Ethylbenzene	2.08	0.100	2.000	0	104	78	127				
m,p-Xylene	2.00	0.100	2.000	0	100	77.5	130				
o-Xylene	2.13	0.100	2.000	0	106	77.6	126				
Styrene	2.04	0.100	2.000	0	102	66.8	137				
Isopropylbenzene	2.40	0.100	2.000	0	120	75.9	133				
Bromoform	1.96	0.100	2.000	0	98.2	69.9	142				
1,1,2,2-Tetrachloroethane	2.26	0.100	2.000	0	113	68	134				
n-Propylbenzene	2.07	0.100	2.000	0	104	77.1	133				
Bromobenzene	2.20	0.100	2.000	0	110	71.1	131				
1,3,5-Trimethylbenzene	1.94	0.100	2.000	0	96.8	76.2	133				
2-Chlorotoluene	1.98	0.100	2.000	0	99.0	67.1	137				
4-Chlorotoluene	1.99	0.100	2.000	0	99.5	70.7	132				
tert-Butylbenzene	2.38	0.100	2.000	0	119	71.3	139				
1,2,3-Trichloropropane	2.15	0.100	2.000	0	108	70.8	132				
1,2,4-Trichlorobenzene	1.87	0.200	2.000	0	93.6	61.4	139				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

**Work Order:** 1305215  
**CLIENT:** G-Logics  
**Project:** Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R8803</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>5/31/2013</b>	RunNo: <b>8803</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R8803</b>		Analysis Date: <b>5/31/2013</b>	SeqNo: <b>176785</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

sec-Butylbenzene	2.08	0.100	2.000	0	104	77.4	136				
4-Isopropyltoluene	1.95	0.100	2.000	0	97.5	78.1	131				
1,3-Dichlorobenzene	1.84	0.100	2.000	0	92.0	73.5	125				
1,4-Dichlorobenzene	1.64	0.100	2.000	0	82.0	71.4	125				
n-Butylbenzene	2.28	0.100	2.000	0	114	69.8	138				
1,2-Dichlorobenzene	1.89	0.100	2.000	0	94.4	74.2	123				
1,2-Dibromo-3-chloropropane	1.86	0.100	2.000	0	93.0	66.1	138				
1,2,4-Trimethylbenzene	1.98	0.100	2.000	0	99.2	72.3	133				
Hexachlorobutadiene	1.88	0.400	2.000	0	93.8	60.9	141				
Naphthalene	1.89	0.100	2.000	0	94.6	58.2	140				
1,2,3-Trichlorobenzene	2.17	0.400	2.000	0	108	61.3	133				
Surr: 1-Bromo-4-fluorobenzene-BFB	5.12		5.000		102	83.7	116				
Surr: Dibromofluoromethane	5.08		5.000		102	67.1	129				
Surr: Toluene-d8	4.97		5.000		99.4	68.2	129				

Sample ID: <b>1305215-001AREP</b>	SampType: <b>REP</b>	Units: <b>µg/L</b>	Prep Date: <b>5/31/2013</b>	RunNo: <b>8803</b>							
Client ID: <b>Exhaust Stack</b>	Batch ID: <b>R8803</b>		Analysis Date: <b>5/31/2013</b>	SeqNo: <b>176787</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane	ND	0.100						0	0	30	
Chloromethane	ND	0.100						0	0	30	
Vinyl chloride	ND	0.0200						0	0	30	
Bromomethane	ND	0.100						0	0	30	
Trichlorofluoromethane	ND	0.100						0	0	30	
Chloroethane	ND	0.100						0	0	30	
1,1-Dichloroethene	ND	0.100						0	0	30	
Methylene chloride	ND	0.100						0	0	30	
trans-1,2-Dichloroethene	ND	0.100						0	0	30	

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1305215  
 CLIENT: G-Logics  
 Project: Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>1305215-001AREP</b>	SampType: <b>REP</b>	Units: <b>µg/L</b>	Prep Date: <b>5/31/2013</b>	RunNo: <b>8803</b>							
Client ID: <b>Exhaust Stack</b>	Batch ID: <b>R8803</b>		Analysis Date: <b>5/31/2013</b>	SeqNo: <b>176787</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.100						0	0	30	
1,1-Dichloroethane	ND	0.100						0	0	30	
2,2-Dichloropropane	ND	0.200						0	0	30	
cis-1,2-Dichloroethene	ND	0.100						0	0	30	
Chloroform	ND	0.100						0	0	30	
1,1,1-Trichloroethane (TCA)	ND	0.100						0	0	30	
1,1-Dichloropropene	ND	0.100						0	0	30	
Carbon tetrachloride	ND	0.100						0	0	30	
1,2-Dichloroethane	ND	0.100						0	0	30	
Benzene	ND	0.100						0	0	30	
Trichloroethene (TCE)	ND	0.100						0	0	30	
1,2-Dichloropropane	ND	0.100						0	0	30	
Dichlorobromomethane	ND	0.100						0	0	30	
Dibromomethane	ND	0.100						0	0	30	
cis-1,3-Dichloropropene	ND	0.100						0	0	30	
Toluene	ND	0.100						0	0	30	
trans-1,3-Dichloropropene	ND	0.100						0	0	30	
1,1,2-Trichloroethane	ND	0.100						0	0	30	
1,3-Dichloropropane	ND	0.100						0	0	30	
Tetrachloroethene (PCE)	8.03	0.100						8.030	0	30	
Dibromochloromethane	ND	0.100						0	0	30	
1,2-Dibromoethane (EDB)	ND	0.00100						0	0	30	
Chlorobenzene	ND	0.100						0	0	30	
1,1,1,2-Tetrachloroethane	ND	0.100						0	0	30	
Ethylbenzene	ND	0.100						0	0	30	
m,p-Xylene	ND	0.100						0	0	30	
o-Xylene	ND	0.100						0	0	30	
Styrene	ND	0.100						0	0	30	
Isopropylbenzene	ND	0.100						0	0	30	

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1305215  
 CLIENT: G-Logics  
 Project: Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>1305215-001AREP</b>	SampType: <b>REP</b>	Units: <b>µg/L</b>	Prep Date: <b>5/31/2013</b>	RunNo: <b>8803</b>
Client ID: <b>Exhaust Stack</b>	Batch ID: <b>R8803</b>		Analysis Date: <b>5/31/2013</b>	SeqNo: <b>176787</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	ND	0.100						0	0	30	
1,1,2,2-Tetrachloroethane	ND	0.100						0	0	30	
n-Propylbenzene	ND	0.100						0	0	30	
Bromobenzene	ND	0.100						0	0	30	
1,3,5-Trimethylbenzene	ND	0.100						0	0	30	
2-Chlorotoluene	ND	0.100						0	0	30	
4-Chlorotoluene	ND	0.100						0	0	30	
tert-Butylbenzene	ND	0.100						0	0	30	
1,2,3-Trichloropropane	ND	0.100						0	0	30	
1,2,4-Trichlorobenzene	ND	0.200						0	0	30	
sec-Butylbenzene	ND	0.100						0	0	30	
4-Isopropyltoluene	ND	0.100						0	0	30	
1,3-Dichlorobenzene	ND	0.100						0	0	30	
1,4-Dichlorobenzene	ND	0.100						0	0	30	
n-Butylbenzene	ND	0.100						0	0	30	
1,2-Dichlorobenzene	ND	0.100						0	0	30	
1,2-Dibromo-3-chloropropane	ND	0.100						0	0	30	
1,2,4-Trimethylbenzene	ND	0.100						0	0	30	
Hexachlorobutadiene	ND	0.400						0	0	30	
Naphthalene	ND	0.100						0	0	30	
1,2,3-Trichlorobenzene	ND	0.400						0	0	30	
Surr: 1-Bromo-4-fluorobenzene-BFB	5.54		5.000		111	83.7	116		0		
Surr: Dibromofluoromethane	5.56		5.000		111	67.1	129		0		
Surr: Toluene-d8	5.01		5.000		100	68.2	129		0		

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client Name: **GL**

 Work Order Number: **1305215**

 Logged by: **Clare Griggs**

 Date Received: **5/30/2013 1:00:00 PM**

### Chain of Custody

1. Were custodial seals present? Yes  No  Not Required
2. Is Chain of Custody complete? Yes  No  Not Present
3. How was the sample delivered? Client

### Log In

4. Coolers are present? Yes  No  NA
- Air Samples**
5. Was an attempt made to cool the samples? Yes  No  NA
6. Were all coolers received at a temperature of >0° C to 10.0°C Yes  No  NA
7. Sample(s) in proper container(s)? Yes  No
8. Sufficient sample volume for indicated test(s)? Yes  No
9. Are samples properly preserved? Yes  No
10. Was preservative added to bottles? Yes  No  NA
11. Is there headspace present in VOA vials? Yes  No  NA
12. Did all sample containers arrive in good condition?(unbroken) Yes  No
13. Does paperwork match bottle labels? Yes  No
14. Are matrices correctly identified on Chain of Custody? Yes  No
15. Is it clear what analyses were requested? Yes  No
16. Were all holding times able to be met? Yes  No

### Special Handling (if applicable)

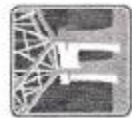
17. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified:	<input style="width: 95%;" type="text"/>	Date:	<input style="width: 95%;" type="text"/>
By Whom:	<input style="width: 95%;" type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input style="width: 95%;" type="text"/>		
Client Instructions:	<input style="width: 95%;" type="text"/>		

18. Additional remarks/Discrepancies

### Item Information





**Fremont**  
Analytical

3600 Fremont Ave N.  
Seattle, WA 98103

Tel: 206-352-3750  
Fax: 206-352-7178

Client: G-Loyco  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_

Project Name: \_\_\_\_\_  
Location: \_\_\_\_\_  
Collected by: \_\_\_\_\_

Laboratory Project No (Internal): 1305215  
Page: 1 of 1

Project Name: Thinker Toys  
Location: Bellevue  
Collected by: Don H

# Chain of Custody Record

Reports To (PM): \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_ Project No: 01-0739-13

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260) BTEX by EPA 8021b	Gasoline Range Organics Hydrocarbon Identification (HCD)	Diesel/Heavy Oil Range Organics PAH (EPA 8270 - SM)	PCB (EPA 8082)	Chlorinated Pesticides (EPA 8081)	Methals* (EPA 8151A)	Total (T) Dissolved (D)	Anions (C)**	Comments/Depth
1 Exhaust Stack	5/30	11:45	Air	X								
2 SVE-1		12:05										
3 SVE-2		11:57										
4 SVE-3		12:05										
5 SVE-4		11:50										
6 SVE-5		12:15										
7 SVE-6		12:10										
8 SVE-7		12:05										
9 SVE-8		11:55										
10 SVE-9		12:05										

\*Metals Analysis (Circle): MITCA-5 Nitrate Nitrite Chloride Sulfate Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Fluoride O-Phosphate Fluoride Nitrate/Nitrite

Sample Disposal:  Return to Client  Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Received Date/Time: 5/30/13 1300  
Received Date/Time: 5/30/13 1300  
Special Remarks: \_\_\_\_\_

TAT -> Next Day 2 Day 3 Day STD



3600 Fremont Ave. N.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**G-Logics**

Dan Hatch  
40 Second Ave. SE  
Issaquah, Washington 98027

**RE: Thinker Toys**

**Lab ID: 1306069**

June 18, 2013

**Attention Dan Hatch:**

Fremont Analytical, Inc. received 10 sample(s) on 6/11/2013 for the analyses presented in the following report.

***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee  
Sr. Chemist / Principal



Date: 06/18/2013

**CLIENT:** G-Logics  
**Project:** Thinker Toys  
**Lab Order:** 1306069

## Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1306069-001	Exhaust Stack	06/11/2013 11:15 AM	06/11/2013 12:15 PM
1306069-002	VES-1	06/11/2013 10:44 AM	06/11/2013 12:15 PM
1306069-003	VES-2	06/11/2013 10:47 AM	06/11/2013 12:15 PM
1306069-004	VES-3	06/11/2013 10:49 AM	06/11/2013 12:15 PM
1306069-005	VES-4	06/11/2013 10:51 AM	06/11/2013 12:15 PM
1306069-006	VES-5	06/11/2013 10:30 AM	06/11/2013 12:15 PM
1306069-007	VES-6	06/11/2013 10:32 AM	06/11/2013 12:15 PM
1306069-008	VES-7	06/11/2013 10:36 AM	06/11/2013 12:15 PM
1306069-009	VES-8	06/11/2013 10:38 AM	06/11/2013 12:15 PM
1306069-010	VES-9	06/11/2013 10:41 AM	06/11/2013 12:15 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

**CLIENT:** G-Logics  
**Project:** Thinker Toys

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**I. SAMPLE RECEIPT:**

Samples receipt information is recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



# Analytical Report

WO#: 1306069

Date Reported: 6/18/2013

**Client:** G-Logics

**Collection Date:** 6/11/2013 11:15:00 AM

**Project:** Thinker Toys

**Lab ID:** 1306069-001

**Matrix:** Air

**Client Sample ID:** Exhaust Stack

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8905

Analyst: KAS

Dichlorodifluoromethane	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
Chloromethane	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	6/13/2013 3:46:00 PM
Bromomethane	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
Chloroethane	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
Methylene chloride	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	6/13/2013 3:46:00 PM
<b>cis-1,2-Dichloroethene</b>	<b>0.113</b>	0.100		µg/L	1	6/13/2013 3:46:00 PM
Chloroform	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
Benzene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
<b>Trichloroethene (TCE)</b>	<b>0.145</b>	0.100		µg/L	1	6/13/2013 3:46:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
Dibromomethane	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
Toluene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>21.8</b>	1.00	DH	µg/L	10	6/14/2013 1:07:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	6/13/2013 3:46:00 PM
Chlorobenzene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
Ethylbenzene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
m,p-Xylene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 6/11/2013 11:15:00 AM

**Project:** Thinker Toys

**Lab ID:** 1306069-001

**Matrix:** Air

**Client Sample ID:** Exhaust Stack

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8905

Analyst: KAS

o-Xylene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
Styrene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
Bromoform	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
Bromobenzene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	6/13/2013 3:46:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	6/13/2013 3:46:00 PM
Naphthalene	ND	0.100		µg/L	1	6/13/2013 3:46:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	6/13/2013 3:46:00 PM
Surr: Dibromofluoromethane	96.8	67.1-129		%REC	1	6/13/2013 3:46:00 PM
Surr: Toluene-d8	99.8	68.2-129		%REC	1	6/13/2013 3:46:00 PM
Surr: 1-Bromo-4-fluorobenzene	95.8	83.7-116		%REC	1	6/13/2013 3:46:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1306069

Date Reported: 6/18/2013

**Client:** G-Logics

**Collection Date:** 6/11/2013 10:44:00 AM

**Project:** Thinker Toys

**Lab ID:** 1306069-002

**Matrix:** Air

**Client Sample ID:** VES-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8905	Analyst: KAS
Dichlorodifluoromethane	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
Chloromethane	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	6/13/2013 1:39:00 PM
Bromomethane	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
Chloroethane	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
Methylene chloride	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	6/13/2013 1:39:00 PM
<b>cis-1,2-Dichloroethene</b>	<b>0.313</b>	0.100		µg/L	1	6/13/2013 1:39:00 PM
Chloroform	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
Benzene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
<b>Trichloroethene (TCE)</b>	<b>0.363</b>	0.100		µg/L	1	6/13/2013 1:39:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
Dibromomethane	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
Toluene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>37.7</b>	1.00	DH	µg/L	10	6/14/2013 10:59:00 AM
Dibromochloromethane	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	6/13/2013 1:39:00 PM
Chlorobenzene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
Ethylbenzene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
m,p-Xylene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 6/11/2013 10:44:00 AM

**Project:** Thinker Toys

**Lab ID:** 1306069-002

**Matrix:** Air

**Client Sample ID:** VES-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8905

Analyst: KAS

o-Xylene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
Styrene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
Bromoform	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
Bromobenzene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	6/13/2013 1:39:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	6/13/2013 1:39:00 PM
Naphthalene	ND	0.100		µg/L	1	6/13/2013 1:39:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	6/13/2013 1:39:00 PM
Surr: Dibromofluoromethane	98.0	67.1-129		%REC	1	6/13/2013 1:39:00 PM
Surr: Toluene-d8	99.8	68.2-129		%REC	1	6/13/2013 1:39:00 PM
Surr: 1-Bromo-4-fluorobenzene	101	83.7-116		%REC	1	6/13/2013 1:39:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1306069

Date Reported: 6/18/2013

**Client:** G-Logics

**Collection Date:** 6/11/2013 10:47:00 AM

**Project:** Thinker Toys

**Lab ID:** 1306069-003

**Matrix:** Air

**Client Sample ID:** VES-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8905	Analyst: KAS
Dichlorodifluoromethane	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
Chloromethane	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	6/13/2013 12:03:00 PM
Bromomethane	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
Chloroethane	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
Methylene chloride	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	6/13/2013 12:03:00 PM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
Chloroform	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
Benzene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
Trichloroethene (TCE)	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
Dibromomethane	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
Toluene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>10.6</b>	1.00	D	µg/L	10	6/14/2013 9:21:00 AM
Dibromochloromethane	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	6/13/2013 12:03:00 PM
Chlorobenzene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
Ethylbenzene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
m,p-Xylene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 6/11/2013 10:47:00 AM

**Project:** Thinker Toys

**Lab ID:** 1306069-003

**Matrix:** Air

**Client Sample ID:** VES-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8905

Analyst: KAS

o-Xylene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
Styrene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
Bromoform	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
Bromobenzene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	6/13/2013 12:03:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	6/13/2013 12:03:00 PM
Naphthalene	ND	0.100		µg/L	1	6/13/2013 12:03:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	6/13/2013 12:03:00 PM
Surr: Dibromofluoromethane	101	67.1-129		%REC	1	6/13/2013 12:03:00 PM
Surr: Toluene-d8	103	68.2-129		%REC	1	6/13/2013 12:03:00 PM
Surr: 1-Bromo-4-fluorobenzene	99.0	83.7-116		%REC	1	6/13/2013 12:03:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1306069

Date Reported: 6/18/2013

**Client:** G-Logics

**Collection Date:** 6/11/2013 10:49:00 AM

**Project:** Thinker Toys

**Lab ID:** 1306069-004

**Matrix:** Air

**Client Sample ID:** VES-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8905	Analyst: KAS
Dichlorodifluoromethane	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
Chloromethane	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	6/13/2013 1:07:00 PM
Bromomethane	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
Chloroethane	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
Methylene chloride	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	6/13/2013 1:07:00 PM
<b>cis-1,2-Dichloroethene</b>	<b>3.14</b>	0.100		µg/L	1	6/13/2013 1:07:00 PM
Chloroform	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
Benzene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
<b>Trichloroethene (TCE)</b>	<b>1.74</b>	0.100		µg/L	1	6/13/2013 1:07:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
Dibromomethane	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
Toluene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>36.7</b>	1.00	D	µg/L	10	6/14/2013 10:25:00 AM
Dibromochloromethane	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	6/13/2013 1:07:00 PM
Chlorobenzene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
Ethylbenzene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
m,p-Xylene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 6/11/2013 10:49:00 AM

**Project:** Thinker Toys

**Lab ID:** 1306069-004

**Matrix:** Air

**Client Sample ID:** VES-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8905

Analyst: KAS

o-Xylene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
Styrene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
Bromoform	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
Bromobenzene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	6/13/2013 1:07:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	6/13/2013 1:07:00 PM
Naphthalene	ND	0.100		µg/L	1	6/13/2013 1:07:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	6/13/2013 1:07:00 PM
Surr: Dibromofluoromethane	92.3	67.1-129		%REC	1	6/13/2013 1:07:00 PM
Surr: Toluene-d8	101	68.2-129		%REC	1	6/13/2013 1:07:00 PM
Surr: 1-Bromo-4-fluorobenzene	97.0	83.7-116		%REC	1	6/13/2013 1:07:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1306069

Date Reported: 6/18/2013

**Client:** G-Logics

**Collection Date:** 6/11/2013 10:51:00 AM

**Project:** Thinker Toys

**Lab ID:** 1306069-005

**Matrix:** Air

**Client Sample ID:** VES-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8905	Analyst: KAS
Dichlorodifluoromethane	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
Chloromethane	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	6/13/2013 4:18:00 PM
Bromomethane	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
Chloroethane	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
Methylene chloride	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	6/13/2013 4:18:00 PM
<b>cis-1,2-Dichloroethene</b>	<b>0.240</b>	0.100		µg/L	1	6/13/2013 4:18:00 PM
Chloroform	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
Benzene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
<b>Trichloroethene (TCE)</b>	<b>1.70</b>	0.100		µg/L	1	6/13/2013 4:18:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
Dibromomethane	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
Toluene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>21.0</b>	1.00	DH	µg/L	10	6/14/2013 1:40:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	6/13/2013 4:18:00 PM
Chlorobenzene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
Ethylbenzene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
m,p-Xylene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 6/11/2013 10:51:00 AM

**Project:** Thinker Toys

**Lab ID:** 1306069-005

**Matrix:** Air

**Client Sample ID:** VES-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8905	Analyst: KAS
o-Xylene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
Styrene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
Bromoform	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
Bromobenzene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	6/13/2013 4:18:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	6/13/2013 4:18:00 PM
Naphthalene	ND	0.100		µg/L	1	6/13/2013 4:18:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	6/13/2013 4:18:00 PM
Surr: Dibromofluoromethane	100	67.1-129		%REC	1	6/13/2013 4:18:00 PM
Surr: Toluene-d8	100	68.2-129		%REC	1	6/13/2013 4:18:00 PM
Surr: 1-Bromo-4-fluorobenzene	98.9	83.7-116		%REC	1	6/13/2013 4:18:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1306069

Date Reported: 6/18/2013

**Client:** G-Logics

**Collection Date:** 6/11/2013 10:30:00 AM

**Project:** Thinker Toys

**Lab ID:** 1306069-006

**Matrix:** Air

**Client Sample ID:** VES-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8905	Analyst: KAS
Dichlorodifluoromethane	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
Chloromethane	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	6/13/2013 4:50:00 PM
Bromomethane	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
Chloroethane	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
Methylene chloride	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
trans-1,2-Dichloroethene	0.458	0.100		µg/L	1	6/13/2013 4:50:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	6/13/2013 4:50:00 PM
cis-1,2-Dichloroethene	5.87	0.100		µg/L	1	6/13/2013 4:50:00 PM
Chloroform	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
Benzene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
Trichloroethene (TCE)	9.23	0.100		µg/L	1	6/13/2013 4:50:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
Dibromomethane	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
Toluene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
Tetrachloroethene (PCE)	238	5.00	DH	µg/L	50	6/14/2013 2:44:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	6/13/2013 4:50:00 PM
Chlorobenzene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
Ethylbenzene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
m,p-Xylene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 6/11/2013 10:30:00 AM

**Project:** Thinker Toys

**Lab ID:** 1306069-006

**Matrix:** Air

**Client Sample ID:** VES-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8905

Analyst: KAS

o-Xylene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
Styrene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
Bromoform	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
Bromobenzene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	6/13/2013 4:50:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	6/13/2013 4:50:00 PM
Naphthalene	ND	0.100		µg/L	1	6/13/2013 4:50:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	6/13/2013 4:50:00 PM
Surr: Dibromofluoromethane	97.9	67.1-129		%REC	1	6/13/2013 4:50:00 PM
Surr: Toluene-d8	101	68.2-129		%REC	1	6/13/2013 4:50:00 PM
Surr: 1-Bromo-4-fluorobenzene	101	83.7-116		%REC	1	6/13/2013 4:50:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1306069

Date Reported: 6/18/2013

**Client:** G-Logics

**Collection Date:** 6/11/2013 10:32:00 AM

**Project:** Thinker Toys

**Lab ID:** 1306069-007

**Matrix:** Air

**Client Sample ID:** VES-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>						
					Batch ID: R8905	Analyst: KAS
Dichlorodifluoromethane	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
Chloromethane	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	6/13/2013 5:22:00 PM
Bromomethane	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
Chloroethane	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
Methylene chloride	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	6/13/2013 5:22:00 PM
cis-1,2-Dichloroethene	0.284	0.100		µg/L	1	6/13/2013 5:22:00 PM
Chloroform	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
Benzene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
Trichloroethene (TCE)	1.21	0.100		µg/L	1	6/13/2013 5:22:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
Dibromomethane	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
Toluene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
Tetrachloroethene (PCE)	370	5.00	DH	µg/L	50	6/14/2013 3:17:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	6/13/2013 5:22:00 PM
Chlorobenzene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
Ethylbenzene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
m,p-Xylene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 6/11/2013 10:32:00 AM

**Project:** Thinker Toys

**Lab ID:** 1306069-007

**Matrix:** Air

**Client Sample ID:** VES-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8905

Analyst: KAS

o-Xylene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
Styrene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
Bromoform	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
Bromobenzene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	6/13/2013 5:22:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	6/13/2013 5:22:00 PM
Naphthalene	ND	0.100		µg/L	1	6/13/2013 5:22:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	6/13/2013 5:22:00 PM
Surr: Dibromofluoromethane	96.5	67.1-129		%REC	1	6/13/2013 5:22:00 PM
Surr: Toluene-d8	97.2	68.2-129		%REC	1	6/13/2013 5:22:00 PM
Surr: 1-Bromo-4-fluorobenzene	110	83.7-116		%REC	1	6/13/2013 5:22:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1306069

Date Reported: 6/18/2013

**Client:** G-Logics

**Collection Date:** 6/11/2013 10:36:00 AM

**Project:** Thinker Toys

**Lab ID:** 1306069-008

**Matrix:** Air

**Client Sample ID:** VES-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8905	Analyst: KAS
Dichlorodifluoromethane	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
Chloromethane	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	6/13/2013 5:54:00 PM
Bromomethane	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
Chloroethane	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
Methylene chloride	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	6/13/2013 5:54:00 PM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
Chloroform	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
Benzene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
<b>Trichloroethene (TCE)</b>	<b>1.72</b>	0.100		µg/L	1	6/13/2013 5:54:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
Dibromomethane	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
Toluene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>89.0</b>	1.00	DH	µg/L	10	6/14/2013 2:12:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	6/13/2013 5:54:00 PM
Chlorobenzene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
Ethylbenzene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
m,p-Xylene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 6/11/2013 10:36:00 AM

**Project:** Thinker Toys

**Lab ID:** 1306069-008

**Matrix:** Air

**Client Sample ID:** VES-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8905

Analyst: KAS

o-Xylene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
Styrene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
Bromoform	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
Bromobenzene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	6/13/2013 5:54:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	6/13/2013 5:54:00 PM
Naphthalene	ND	0.100		µg/L	1	6/13/2013 5:54:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	6/13/2013 5:54:00 PM
Surr: Dibromofluoromethane	103	67.1-129		%REC	1	6/13/2013 5:54:00 PM
Surr: Toluene-d8	102	68.2-129		%REC	1	6/13/2013 5:54:00 PM
Surr: 1-Bromo-4-fluorobenzene	102	83.7-116		%REC	1	6/13/2013 5:54:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1306069

Date Reported: 6/18/2013

**Client:** G-Logics

**Collection Date:** 6/11/2013 10:38:00 AM

**Project:** Thinker Toys

**Lab ID:** 1306069-009

**Matrix:** Air

**Client Sample ID:** VES-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8905	Analyst: KAS
Dichlorodifluoromethane	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
Chloromethane	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	6/13/2013 12:35:00 PM
Bromomethane	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
Chloroethane	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
Methylene chloride	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	6/13/2013 12:35:00 PM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
Chloroform	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
Benzene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
<b>Trichloroethene (TCE)</b>	<b>0.175</b>	0.100		µg/L	1	6/13/2013 12:35:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
Dibromomethane	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
Toluene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>31.6</b>	1.00	D	µg/L	10	6/14/2013 9:53:00 AM
Dibromochloromethane	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	6/13/2013 12:35:00 PM
Chlorobenzene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
Ethylbenzene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
m,p-Xylene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1306069

Date Reported: 6/18/2013

**Client:** G-Logics

**Collection Date:** 6/11/2013 10:38:00 AM

**Project:** Thinker Toys

**Lab ID:** 1306069-009

**Matrix:** Air

**Client Sample ID:** VES-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8905	Analyst: KAS
o-Xylene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
Styrene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
Bromoform	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
Bromobenzene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	6/13/2013 12:35:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	6/13/2013 12:35:00 PM
Naphthalene	ND	0.100		µg/L	1	6/13/2013 12:35:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	6/13/2013 12:35:00 PM
Surr: Dibromofluoromethane	101	67.1-129		%REC	1	6/13/2013 12:35:00 PM
Surr: Toluene-d8	100	68.2-129		%REC	1	6/13/2013 12:35:00 PM
Surr: 1-Bromo-4-fluorobenzene	100	83.7-116		%REC	1	6/13/2013 12:35:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1306069

Date Reported: 6/18/2013

**Client:** G-Logics

**Collection Date:** 6/11/2013 10:41:00 AM

**Project:** Thinker Toys

**Lab ID:** 1306069-010

**Matrix:** Air

**Client Sample ID:** VES-9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8905	Analyst: KAS
Dichlorodifluoromethane	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
Chloromethane	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
Vinyl chloride	ND	0.0200		µg/L	1	6/13/2013 2:42:00 PM
Bromomethane	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
Trichlorofluoromethane	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
Chloroethane	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
1,1-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
Methylene chloride	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
trans-1,2-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
1,1-Dichloroethane	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
2,2-Dichloropropane	ND	0.200		µg/L	1	6/13/2013 2:42:00 PM
cis-1,2-Dichloroethene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
Chloroform	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
1,1-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
Carbon tetrachloride	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
1,2-Dichloroethane	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
Benzene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
Trichloroethene (TCE)	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
1,2-Dichloropropane	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
Dichlorobromomethane	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
Dibromomethane	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
cis-1,3-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
Toluene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
trans-1,3-Dichloropropene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
1,1,2-Trichloroethane	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
1,3-Dichloropropane	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
<b>Tetrachloroethene (PCE)</b>	<b>15.2</b>	1.00	DH	µg/L	10	6/14/2013 12:34:00 PM
Dibromochloromethane	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
1,2-Dibromoethane (EDB)	ND	0.00100		µg/L	1	6/13/2013 2:42:00 PM
Chlorobenzene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
1,1,1,2-Tetrachloroethane	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
Ethylbenzene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
m,p-Xylene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** G-Logics

**Collection Date:** 6/11/2013 10:41:00 AM

**Project:** Thinker Toys

**Lab ID:** 1306069-010

**Matrix:** Air

**Client Sample ID:** VES-9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>					Batch ID: R8905	Analyst: KAS
o-Xylene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
Styrene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
Isopropylbenzene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
Bromoform	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
1,1,2,2-Tetrachloroethane	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
n-Propylbenzene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
Bromobenzene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
1,3,5-Trimethylbenzene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
2-Chlorotoluene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
4-Chlorotoluene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
tert-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
1,2,3-Trichloropropane	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
1,2,4-Trichlorobenzene	ND	0.200		µg/L	1	6/13/2013 2:42:00 PM
sec-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
4-Isopropyltoluene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
1,3-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
1,4-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
n-Butylbenzene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
1,2-Dichlorobenzene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
1,2-Dibromo-3-chloropropane	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
1,2,4-Trimethylbenzene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
Hexachlorobutadiene	ND	0.400		µg/L	1	6/13/2013 2:42:00 PM
Naphthalene	ND	0.100		µg/L	1	6/13/2013 2:42:00 PM
1,2,3-Trichlorobenzene	ND	0.400		µg/L	1	6/13/2013 2:42:00 PM
Surr: Dibromofluoromethane	81.2	67.1-129		%REC	1	6/13/2013 2:42:00 PM
Surr: Toluene-d8	99.4	68.2-129		%REC	1	6/13/2013 2:42:00 PM
Surr: 1-Bromo-4-fluorobenzene	100	83.7-116		%REC	1	6/13/2013 2:42:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





Date: 6/18/2013

Work Order: 1306069  
 CLIENT: G-Logics  
 Project: Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R8905</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>6/13/2013</b>	RunNo: <b>8905</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R8905</b>		Analysis Date: <b>6/13/2013</b>	SeqNo: <b>178924</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane	ND	0.100									
Chloromethane	ND	0.100									
Vinyl chloride	ND	0.0200									
Bromomethane	ND	0.100									
Trichlorofluoromethane	ND	0.100									
Chloroethane	ND	0.100									
1,1-Dichloroethene	ND	0.100									
Methylene chloride	ND	0.100									
trans-1,2-Dichloroethene	ND	0.100									
Methyl tert-butyl ether (MTBE)	ND	0.100									
1,1-Dichloroethane	ND	0.100									
2,2-Dichloropropane	ND	0.200									
cis-1,2-Dichloroethene	ND	0.100									
Chloroform	ND	0.100									
1,1,1-Trichloroethane (TCA)	ND	0.100									
1,1-Dichloropropene	ND	0.100									
Carbon tetrachloride	ND	0.100									
1,2-Dichloroethane	ND	0.100									
Benzene	ND	0.100									
Trichloroethene (TCE)	ND	0.100									
1,2-Dichloropropane	ND	0.100									
Dichlorobromomethane	ND	0.100									
Dibromomethane	ND	0.100									
cis-1,3-Dichloropropene	ND	0.100									
Toluene	ND	0.100									
trans-1,3-Dichloropropene	ND	0.100									
1,1,2-Trichloroethane	ND	0.100									
1,3-Dichloropropane	ND	0.100									
Tetrachloroethene (PCE)	ND	0.100									

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1306069  
**CLIENT:** G-Logics  
**Project:** Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R8905</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>6/13/2013</b>	RunNo: <b>8905</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R8905</b>		Analysis Date: <b>6/13/2013</b>	SeqNo: <b>178924</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dibromochloromethane	ND	0.100									
1,2-Dibromoethane (EDB)	ND	0.00100									
Chlorobenzene	ND	0.100									
1,1,1,2-Tetrachloroethane	ND	0.100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.100									
o-Xylene	ND	0.100									
Styrene	ND	0.100									
Isopropylbenzene	ND	0.100									
Bromoform	ND	0.100									
1,1,2,2-Tetrachloroethane	ND	0.100									
n-Propylbenzene	ND	0.100									
Bromobenzene	ND	0.100									
1,3,5-Trimethylbenzene	ND	0.100									
2-Chlorotoluene	ND	0.100									
4-Chlorotoluene	ND	0.100									
tert-Butylbenzene	ND	0.100									
1,2,3-Trichloropropane	ND	0.100									
1,2,4-Trichlorobenzene	ND	0.200									
sec-Butylbenzene	ND	0.100									
4-Isopropyltoluene	ND	0.100									
1,3-Dichlorobenzene	ND	0.100									
1,4-Dichlorobenzene	ND	0.100									
n-Butylbenzene	ND	0.100									
1,2-Dichlorobenzene	ND	0.100									
1,2-Dibromo-3-chloropropane	ND	0.100									
1,2,4-Trimethylbenzene	ND	0.100									
Hexachlorobutadiene	ND	0.400									
Naphthalene	ND	0.100									

<b>Qualifiers:</b> B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits	D Dilution was required J Analyte detected below quantitation limits RL Reporting Limit	E Value above quantitation range ND Not detected at the Reporting Limit S Spike recovery outside accepted recovery limits
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**Work Order:** 1306069  
**CLIENT:** G-Logics  
**Project:** Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R8905</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>6/13/2013</b>	RunNo: <b>8905</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R8905</b>		Analysis Date: <b>6/13/2013</b>	SeqNo: <b>178924</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichlorobenzene	ND	0.400									
Surr: Dibromofluoromethane	4.98		5.000		99.5	67.1	129				
Surr: Toluene-d8	5.02		5.000		100	68.2	129				
Surr: 1-Bromo-4-fluorobenzene-BFB	4.87		5.000		97.4	83.7	116				

Sample ID: <b>LCS R8905</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>6/13/2013</b>	RunNo: <b>8905</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R8905</b>		Analysis Date: <b>6/13/2013</b>	SeqNo: <b>179091</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane	1.72	0.100	2.000	0	86.0	46.2	132				
Chloromethane	1.30	0.100	2.000	0	64.8	42.5	131				
Vinyl chloride	1.65	0.0200	2.000	0	82.4	56.2	130				
Bromomethane	1.28	0.100	2.000	0	64.2	45.4	138				
Trichlorofluoromethane	1.79	0.100	2.000	0	89.5	64.7	129				
Chloroethane	1.81	0.100	2.000	0	90.4	62.5	123				
1,1-Dichloroethene	2.08	0.100	2.000	0	104	60.7	146				
Methylene chloride	2.01	0.100	2.000	0	101	60.3	135				
trans-1,2-Dichloroethene	2.01	0.100	2.000	0	101	71.3	129				
Methyl tert-butyl ether (MTBE)	1.88	0.100	2.000	0	93.8	75.4	123				
1,1-Dichloroethane	2.02	0.100	2.000	0	101	71.3	129				
2,2-Dichloropropane	0.804	0.200	2.000	0	40.2	37.8	132				
cis-1,2-Dichloroethene	1.98	0.100	2.000	0	99.0	67.5	127				
Chloroform	2.00	0.100	2.000	0	99.8	70.3	123				
1,1,1-Trichloroethane (TCA)	2.04	0.100	2.000	0	102	67.9	134				
1,1-Dichloropropene	2.03	0.100	2.000	0	102	72.1	133				
Carbon tetrachloride	2.01	0.100	2.000	0	100	68	136				
1,2-Dichloroethane	2.02	0.100	2.000	0	101	65.8	126				
Benzene	2.05	0.100	2.000	0	102	75.2	124				

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1306069  
 CLIENT: G-Logics  
 Project: Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS R8905</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>6/13/2013</b>	RunNo: <b>8905</b>
Client ID: <b>LCSW</b>	Batch ID: <b>R8905</b>		Analysis Date: <b>6/13/2013</b>	SeqNo: <b>179091</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	2.01	0.100	2.000	0	100	71.9	130				
1,2-Dichloropropane	2.04	0.100	2.000	0	102	71.9	131				
Dichlorobromomethane	2.05	0.100	2.000	0	102	70	130				
Dibromomethane	2.07	0.100	2.000	0	104	74.2	125				
cis-1,3-Dichloropropene	1.82	0.100	2.000	0	91.1	62.8	135				
Toluene	2.03	0.100	2.000	0	101	75.2	129				
trans-1,3-Dichloropropene	1.77	0.100	2.000	0	88.4	58.1	138				
1,1,2-Trichloroethane	2.04	0.100	2.000	0	102	65.4	128				
1,3-Dichloropropane	2.00	0.100	2.000	0	100	71.9	131				
Tetrachloroethene (PCE)	1.87	0.100	2.000	0	93.6	52.4	140				
Dibromochloromethane	2.02	0.100	2.000	0	101	68.7	139				
1,2-Dibromoethane (EDB)	2.08	0.00100	2.000	0	104	71.2	129				
Chlorobenzene	2.01	0.100	2.000	0	100	77.2	122				
1,1,1,2-Tetrachloroethane	1.98	0.100	2.000	0	98.9	76.2	130				
Ethylbenzene	2.01	0.100	2.000	0	101	78	127				
m,p-Xylene	4.10	0.100	4.000	0	103	77.5	130				
o-Xylene	1.99	0.100	2.000	0	99.4	77.6	126				
Styrene	2.14	0.100	2.000	0	107	66.8	137				
Isopropylbenzene	1.95	0.100	2.000	0	97.4	75.9	133				
Bromoform	2.02	0.100	2.000	0	101	69.9	142				
1,1,1,2,2-Tetrachloroethane	2.05	0.100	2.000	0	103	68	134				
n-Propylbenzene	1.96	0.100	2.000	0	97.8	77.1	133				
Bromobenzene	1.99	0.100	2.000	0	99.6	71.1	131				
1,3,5-Trimethylbenzene	1.98	0.100	2.000	0	98.9	76.2	133				
2-Chlorotoluene	2.02	0.100	2.000	0	101	67.1	137				
4-Chlorotoluene	1.94	0.100	2.000	0	97.0	70.7	132				
tert-Butylbenzene	1.96	0.100	2.000	0	98.0	71.3	139				
1,2,3-Trichloropropane	1.89	0.100	2.000	0	94.4	70.8	132				
1,2,4-Trichlorobenzene	1.98	0.200	2.000	0	99.2	61.4	139				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1306069  
 CLIENT: G-Logics  
 Project: Thinker Toys

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS R8905</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>6/13/2013</b>	RunNo: <b>8905</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R8905</b>		Analysis Date: <b>6/13/2013</b>	SeqNo: <b>179091</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

sec-Butylbenzene	1.97	0.100	2.000	0	98.5	77.4	136				
4-Isopropyltoluene	1.93	0.100	2.000	0	96.6	78.1	131				
1,3-Dichlorobenzene	2.07	0.100	2.000	0	103	73.5	125				
1,4-Dichlorobenzene	1.98	0.100	2.000	0	99.2	71.4	125				
n-Butylbenzene	2.05	0.100	2.000	0	103	69.8	138				
1,2-Dichlorobenzene	2.09	0.100	2.000	0	104	74.2	123				
1,2-Dibromo-3-chloropropane	1.90	0.100	2.000	0	95.2	66.1	138				
1,2,4-Trimethylbenzene	1.93	0.100	2.000	0	96.7	72.3	133				
Hexachlorobutadiene	1.92	0.400	2.000	0	95.9	60.9	141				
Naphthalene	2.12	0.100	2.000	0	106	58.2	140				
1,2,3-Trichlorobenzene	2.12	0.400	2.000	0	106	61.3	133				
Surr: Dibromofluoromethane	4.86		5.000		97.1	67.1	129				
Surr: Toluene-d8	4.96		5.000		99.1	68.2	129				
Surr: 1-Bromo-4-fluorobenzene-BFB	4.90		5.000		98.0	83.7	116				

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client Name: **GL**

 Work Order Number: **1306069**

 Logged by: **Chelsea Ward**

 Date Received: **6/11/2013 12:15:00 PM**

### Chain of Custody

1. Were custodial seals present? Yes  No  Not Required
2. Is Chain of Custody complete? Yes  No  Not Present
3. How was the sample delivered? Client

### Log In

4. Coolers are present? Yes  No  NA
- Air Samples.
5. Was an attempt made to cool the samples? Yes  No  NA
6. Were all coolers received at a temperature of >0° C to 10.0°C Yes  No  NA
7. Sample(s) in proper container(s)? Yes  No
8. Sufficient sample volume for indicated test(s)? Yes  No
9. Are samples properly preserved? Yes  No
10. Was preservative added to bottles? Yes  No  NA
11. Is there headspace present in VOA vials? Yes  No  NA
12. Did all sample containers arrive in good condition?(unbroken) Yes  No
13. Does paperwork match bottle labels? Yes  No
14. Are matrices correctly identified on Chain of Custody? Yes  No
15. Is it clear what analyses were requested? Yes  No
16. Were all holding times able to be met? Yes  No

### Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks/Disrepancies

Client Changed Analysis

Joe G. called (6/11/13 @ 12:30PM) and requested full Air VOC analysis, not just BTEX which was marked on the COC.

### Item Information

# Chain of Custody Record



3600 Fremont Ave N.  
Seattle, WA 98103

Tel: 206-352-3790  
Fax: 206-352-7178

Client: G7-logics  
Address: 405 2nd Avenue SE  
City, State, Zip: Issaquah WA  
Reports To (PM): Don Hatch

Project Name: Thinker Jays  
Location: Barbore Creek  
Collected by: Den H & Joe H

Laboratory Project No (Internal): 1306069  
Page: 1 of: 1

Email: Dan.Hatch@g7-logics.com Project No: 01-0739-B

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	Comments/Depth
1 Exhaust Stack	6/11	11:15	AIR	1 12-Feeder Bay
2 VES-1		10:42		
3 VES-2		10:49		
4 VES-3		10:51		
5 VES-4		10:50		
6 VES-5		10:32		
7 VES-6		10:36		
8 VES-7		10:38		
9 VES-8		10:41		
10 VES-9				

**\*\*Metals Analysis (Circle):** MTCAs-5 RCRA-8 Priority Pollutants TAA Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**\*\*Anions (Circle):** Nitrate Nitrite Chloride Sulfate Bromide Fluoride Nitrate-Nitrite

Sample Disposal:  Return to Client  Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Relinquished Date/Time: 6/11/13 12:15pm Received Date/Time: 6/11/13 12:15pm

Relinquished Signature: [Signature] Received Signature: [Signature]

TAT -> 2 Day 3 Day STD

# **APPENDIX D**



**Permission and Conditions for Use and Copying Form**

**Interim System Operation Report  
Former Drycleaner Location  
10610 NE 8th  
Bellevue, WA**

**G-Logics Project Number 01-0739-B**

**July 11, 2013**

G-Logics prepared the above-identified Document only for our Client and/or other user(s), as identified in the Document, for the purposes stated and subject to any identified and contractual limitations. Regulatory agencies may make additional “fair use” copies for internal and public use based on state and federal laws that do not violate copyright laws.

All other Requestors must obtain permission from G-Logics and our Client in order to avoid copyright violations. To request authorization for a copy of the Document, please read our conditions listed below, complete the Requestor section, and fax to G-Logics at 425-313-3074 for approval review.

- I recognize that G-Logics has prepared this Document only for their Client and/or other user(s), only for the purposes stated in the Document and subject to any identified and contractual limitations.
- My intended use of the Document is for general informational purposes only.
- I understand and accept that there may be limitations to the reliability of the Document’s findings due to circumstances beyond the control of G-Logics, the limited scope of funding, and/or limitations inherent in the nature of the performed services.
- I agree not to rely on the Document as being comprehensive or inclusive of all possible site hazards and agree to defend, indemnify, and hold G-Logics harmless from and against any and all claims, damages, or liability which arise from or which are alleged to arise from my use of the Document. I also will compensate G-Logics for any time spent or expenses incurred by G-Logics in defense of any such claim.
- I am advised that the Document is a qualitative evaluation of site conditions and should not be used to estimate site-remediation costs, if cleanup is necessary. Remediation cost estimates would require additional data beyond what is presented in the Document.
- I agree not to provide the Document to any other person or organizations without prior authorization from G-Logics and their Client.

I, the Requestor, have reviewed the above-identified conditions for copying/use of the Document, am familiar with the presented limitations of the provided services, and acknowledge my understanding and concurrence, as indicated by my signature below.

Requestor's Company	_____
Mailing Address	_____
City, State, Zip Code	_____
Contact Name & Title	_____
Signature & Date	_____
Telephone & Fax Numbers	_____
Planned Use of Document	_____
	_____
	_____

With your information and signature above, please fax to G-Logics (425-313-3074) for approval review. G-Logics will share your request with our Client for their approval.

**Client Review and Acknowledgment of Use and Copying Request**

Per the notification of G-Logics, I, the Client, have reviewed this request for copying/use of this Document, have discussed the request with G-Logics, and grant my consent as indicated by my signature below.

Client Company	_____
Client Contact Name & Title	_____
Signature & Date	_____
Telephone & Fax Numbers	_____

**G-Logics review and Acknowledgment of Use and Copying Request**

Based on your concurrence with the above-presented conditions, approval of our Client, and our review of the information, G-Logics allows the Requestor to copy/use the above referenced Document for purposes stated. Additional fees may apply.

G-Logics Signature	_____
Title	_____
Date	_____

