

Confirmation Sampling Former Drycleaner Location 106th Avenue NE and NE 8th Street Bellevue, WA 98004

Prepared for: Mr. Michael Nielson

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February 26, 2017

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February 26, 2017 G-Logics Project 01-0739-G

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

Subject: Confirmation Sampling

Former Drycleaner Location

106th Avenue NE and NE 8th Street

Bellevue, WA 98004

Dear Mr. Nielson:

Presented in this report are the results of confirmation-sampling work performed at the above-referenced property. This report documents the purpose, approach, and results of this exploration. This report also presents G-Logics conclusions and a discussion regarding the effectiveness of the soil-vapor extraction system operating at the property. We trust the information presented in this report meets your needs at this time. Should you require additional information or have any questions, please contact us at your convenience. Thank you again for this opportunity to be of service.

Sincerely,

G-Logics, Inc.

Rory L. Galloway, LG, LHG Principal Jon Stordahl Staff Geologist

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ATTACHMENTS

Attachment A: Permission and Conditions for Use and Copying



1.0 INTRODUCTION

At the request of BV Holdings, LLC (BV), G-Logics has completed confirmation-sampling work at the subject property (Former Drycleaner Location), located at 10610 Northeast 8th Street, in Bellevue, WA (Figures 1 and 2). The scope of this exploration was based on the results of work previously performed at the property by SoundEarth Strategies Inc. (SES), Farallon Consulting (Farallon), and G-Logics. These explorations identified the presence of tetrachloroethene (PCE) in the subsurface.

To reduce concentrations of PCE, G-Logics installed and operated an air sparge and soil-vapor extraction (AS/SVE) system at the property. This system was installed in 2012 and the SVE component remains operational. The sampling work described in this report was conducted to collect analytical data used to assess the extent that the AS/SVE system was able to reduce soil concentrations.

To meet these objectives, soil data collected during this effort has been compared to historical data (collected by SES and Farallon, 2010), Washington Department of Ecology (Ecology) cleanup levels, and Ecology Dangerous Waste Regulations. Our work was performed in accordance with our workplan dated November 12, 2016. The results of our site exploration are presented in this report and are subject to the presented limitations.

2.0 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, tetrachloroethylene (PCE) was used in the dry-cleaning operations. After 1986, the building was used for various commercial uses, including a pet store and toy store (Thinker Toys). In 2007, the building was demolished and the site was converted to its current use as a parking lot.



Several environmental investigations have occurred on and off the property to evaluate contaminant impacts. During 2011, SES produced a Remedial Investigation/Feasibility Study (RI/FS) and an Interim Cleanup Action Plan (ICAP) for the Property. Subsurface-contaminants were presented in plan and cross-section views.

Widespread chlorinated solvent impacts were discovered across the property to an approximate depth of 40 feet. Additionally, PCE concentrations exceeding the Land-Ban threshold were delineated in shallow soils near the center of the property (2011, SES).

In 2012, G-Logics installed the AS/SVE system as an interim action to reduce PCE concentrations at the property. Specifically, the primary purpose of the AS/SVE system was to reduce soil concentrations to assist soil-disposal efforts when the property was redeveloped. During the operation of the SVE system, calculations indicate that approximately 100 pounds of PCE has been removed from the subsurface (2016 4th Quarter System Operation and Monitoring Report, G-Logics, dated November 4, 2016).

2.1 Regulatory Background

The rules that guide the cleanup process at sites within Washington are known as the Model Toxics Control Act (MTCA) Cleanup Regulation, which is administered by the Washington Department of Ecology (Ecology). MTCA "establishes administrative processes and standards to identify, investigate, and cleanup facilities where hazardous substances have come to be located" (WAC 173-340-100).

Soil and groundwater Cleanup Levels promulgated under MTCA are often used as standards for deciding when additional investigation or cleanup is appropriate. For this project, we have compared analytical laboratory results to published MTCA Method A and/or B Cleanup Levels for soil and groundwater.



2.1.1 Dangerous Waste Regulatory Background

The rules that guide the handling of hazardous wastes within Washington are regulated under the Hazardous Waste Management Act of 1976, which is administered by Ecology. The purposes of this regulation include the designation of solid wastes that are dangerous or extremely hazardous to the public health and environment.

Contaminants discovered in the soil at the property (during previous explorations in 2010) would designate excavated soils as F-Listed (F002) waste under WAC 173-303-9904. Additionally, numerous samples collected from shallow soils reported PCE concentrations exceeding the federal characteristics for waste designation (WAC 173-303-090). Specifically, and although not analyzed at the time, some of these elevated concentrations possibly could fail the toxicity characteristic leaching procedure (TCLP) testing methods, again designating the soils as hazardous waste when excavated. Accordingly, excavated soils with these waste designations would not be eligible for disposal at a solid-waste landfill, complicating future remediation efforts.

Accordingly, one of the intended purposes of the AS/SVE system was to decrease PCE concentrations below Dangerous-Waste designations. When contaminant concentrations are reduced below these thresholds, soils generated from the property during redevelopment may qualify for disposal at a solid-waste facility.

3.0 SITE EXPLORATION ACTIVITIES

To provide information on the current status of contaminant concentrations on the property, several soil borings were advanced in specific areas. Soil samples also were collected at predesignated depth intervals for direct comparison to previously-collected soil samples (SES Reports, 2011). This approach was intended to resample specific locations that were previously identified to contain high concentrations of PCE.

The drilling subcontractor (Holocene) used a truck-mounted hollow stem auger (HSA) to complete the borings. A G-Logics geologist was present during the exploration to observe and document site conditions. The following tasks were performed by G-Logics.

- Performed public and private utility locates.
- Completed nine soil borings up to 50 deep.



- Analyzed soil samples for PCE and degradation products (Method EPA 8260).
- Prepared this report documenting our findings.

Exploration work conducted at this property is further described below. A description of our site-exploration methods is presented in Appendix A. The boring logs are presented in Appendix B. Each boring log presents soil types/field descriptions, sample-screening results, general observations.

3.1 Soil Borings

On November 21 and 22, 2016, nine hollow-stem auger borings (GL-1 through GL-9) were completed at the property (Figure 2). Soil borings GL-1 through GL-3 were advanced north of previously explored areas to close data gaps and to further delineate areas with detectable concentrations of chlorinated solvents. Locations of soil borings GL-4 through GL-9 were selected to provide current analytical data in areas targeted by the operation AS/SVE system. Additionally, GL-4 and GL-5 were advanced to a depth of 50 feet to provide more information regarding the vertical extent of contaminants.

During drilling, soil samples were collected for soil identification and chemical analysis. A photoionization detector (PID) was used during drilling to screen for volatile organic compounds (VOCs), with results noted on the boring logs. Selected soil samples were submitted to the analytical laboratory and analyzed for PCE and PCE degradation products (Trichloroethene (TCE), Vinyl Chloride, 1, 1-Dichloroethene, trans-1,2-Dichloroethene, and Cis-1,2-dichloroethene) using the EPA 8260 analytical method. Results of these analyses are presented in Section 4.0 of this report.

3.3 Quality Assurance/Quality Control

Quality Assurance/Quality Control (QA/QC) included generally-accepted procedures for sample collection, storage, tracking, documentation, and analysis. Appropriate chain-of-custody documentation also was completed.



4.0 SITE EXPLORATION OBSERVATIONS AND FINDINGS

The findings of this site exploration are presented below. A summary of the analytical results obtained during this exploration is presented on Table 1. This data also has been compared side-by-side to historical data collected (in similar locations) by SES and Farallon in 2010, prior to the operation of the AS/SVE system. The locations of the recent borings also are compared to the historical borings on Figure 3 and can be seen in the cross-section view on Figure 4.

The analytical laboratory reports for the analyzed soil samples are attached as Appendix C of this report. Chain-of custody forms are also included in Appendix C.

Soil borings GL-1 through GL-3 discovered PCE contaminants in all 3 borings. Analytical-soil data from GL-2 and GL-3 reported PCE concentrations above MTCA Method A cleanup levels (0.05 mg/kg) between depths of 11 and 25 feet, see Table 1. Soil samples from these initial borings were collected at 5 foot intervals. However, soil samples from GL-6, GL-7, and GL-8 were collected at tighter intervals (up to 2.5 feet) to meet project objectives.

Soil borings GL-4 through GL-9 also reported PCE contaminants. Shallow depths were targeted in these exploration areas (5-16 feet deep). However, deeper samples also were collected (21-45 feet deep). Cleanup levels were exceeded in shallow samples from the following borings GL-4, GL-6, GL-7, GL-8, and GL-9. PCE was not detected below a depth of 16 feet in these areas (Table 1).

5.0 CONCLUSIONS AND DISCUSSION

Information regarding the exploration findings and our conclusions concerning the current concentration of soil contaminants is presented below.

- PCE was detected in borings GL-1 through GL-3, indicating PCE was present in the soil further to the north than previously discovered, with PCE detected above cleanup levels in borings GL-2 and GL-3
- PCE was the only analyte detected in the analyzed samples except in the soil sample from boring GL-8 collected at a depth of 3 feet. In this sample, trichloroethene (TCE) was detected at concentrations above Method A cleanup levels.



- With the recent sampling, MTCA Method A cleanup levels were generally exceeded only in shallow soils collected from what is understood to be the approximate source area.
- The highest concentration of PCE reported from the analyzed samples was 2.32 mg/kg from boring GL-8 at an approximate depth of 3 feet.
- PCE was not detected in analyzed samples below a depth of 16 feet in borings GL-4 through GL-9.
- No groundwater was encountered in any of the borings.
- Figure 3 of this report presents the recently-collected analytical data, superimposed over the 2010 soil-concentration interpretations. As can be seen on this figure, PCE-impacted soils extend further to the north than previously understood.
- Also as shown on Table 1 and Figure 3, soil samples collected in areas where PCE concentrations were the highest have now dropped by as much as three orders of magnitude with the operation of the AS/SVE system. Based on these recent samples, no soils appear to remain above TCLP waste designation or land-ban concentrations.
- Figure 4 shows a cross-section through the property, with the recent analytical data compared against the 2010-collected data (and SES interpretations). This presentation of the analytical results also indicates soil concentrations have significantly been reduced by the operation of the AAS/SVE system.
- The recent soil analytical results indicate soils excavated for property redevelopment likely would be eligible for disposal at a solid-waste landfill.

6.0 LIMITATIONS

The scope of work on this project was presented in our identified workplan and subsequently approved by BV. Please be aware our scope of work was limited to those items specifically identified in the workplan. 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.

Land use, site conditions (both on-site and off-site), and other factors will change over time. Since site activities and regulations beyond our control could change at any time after the completion of this report, our observations, findings, and opinions can be considered valid only as of the date of the site visit.



The property owner is solely responsible for notifying all governmental agencies and the public at large of the existence, release, treatment, or disposal of any hazardous materials identified at the project site. G-Logics assumes no responsibility or liability whatsoever for any claim, loss of property value, damage, or injury which results from pre-existing hazardous materials being encountered or present on the project site, or from the discovery of such hazardous materials.

This report is prepared for the sole use of our client. The scope of services performed during this may not be appropriate for the needs of other users. Re-use of this document or the findings, conclusions, or recommendations presented herein, are at the sole risk of said user(s). Our client and regulatory agencies also may make additional copies of this document for their internal and public use, or as required by law. All other users of this document must acknowledge our copyright and indicate that permission to use has been received from G-Logics and our Client. 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. 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.

REFERENCES

G-Logics, Inc., 2016 4th Quarter System Operation and Monitoring Report, November 4, 2016.

Sound Earth Strategies, Inc., Remedial Investigation and Focused Feasibility Study Report, April 8, 2011.

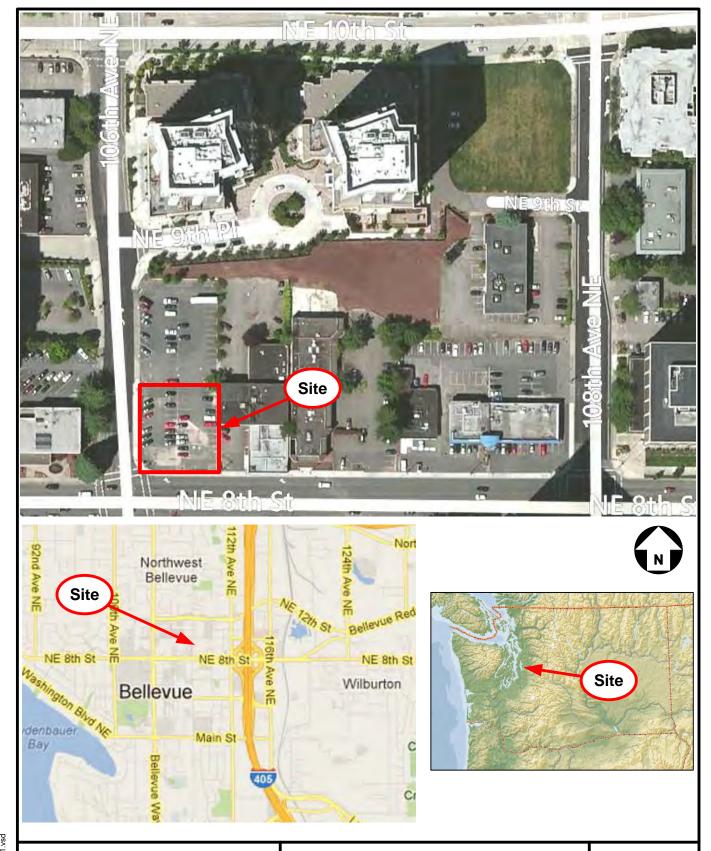
Sound Earth Strategies, Inc., Interim Cleanup Action Plan, April 8, 2011.

Washington Department of Ecology (Ecology), 2007, *The Model Toxics Control Act Cleanup Regulation*, chapter 173-340 WAC: Olympia, Wash., Washington State Department of Ecology Publication No 94-06, Amended November 2007, revised 2013.

Washington Department of Ecology (Ecology), *Dangerous Waste Regulations*, chapter 173-303 WAC: Olympia, Wash., Publications No. 92-91, Amended December 2014.





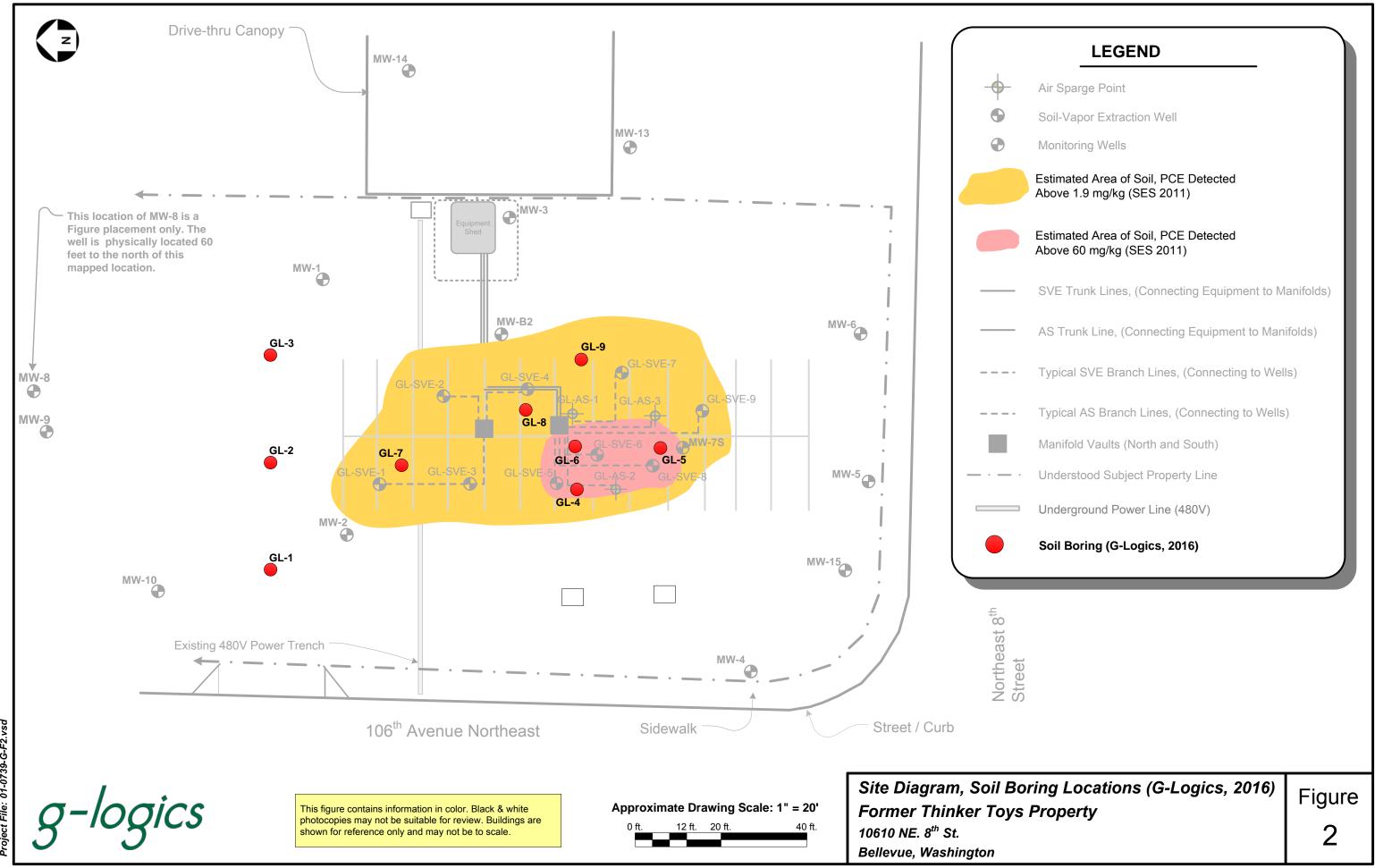


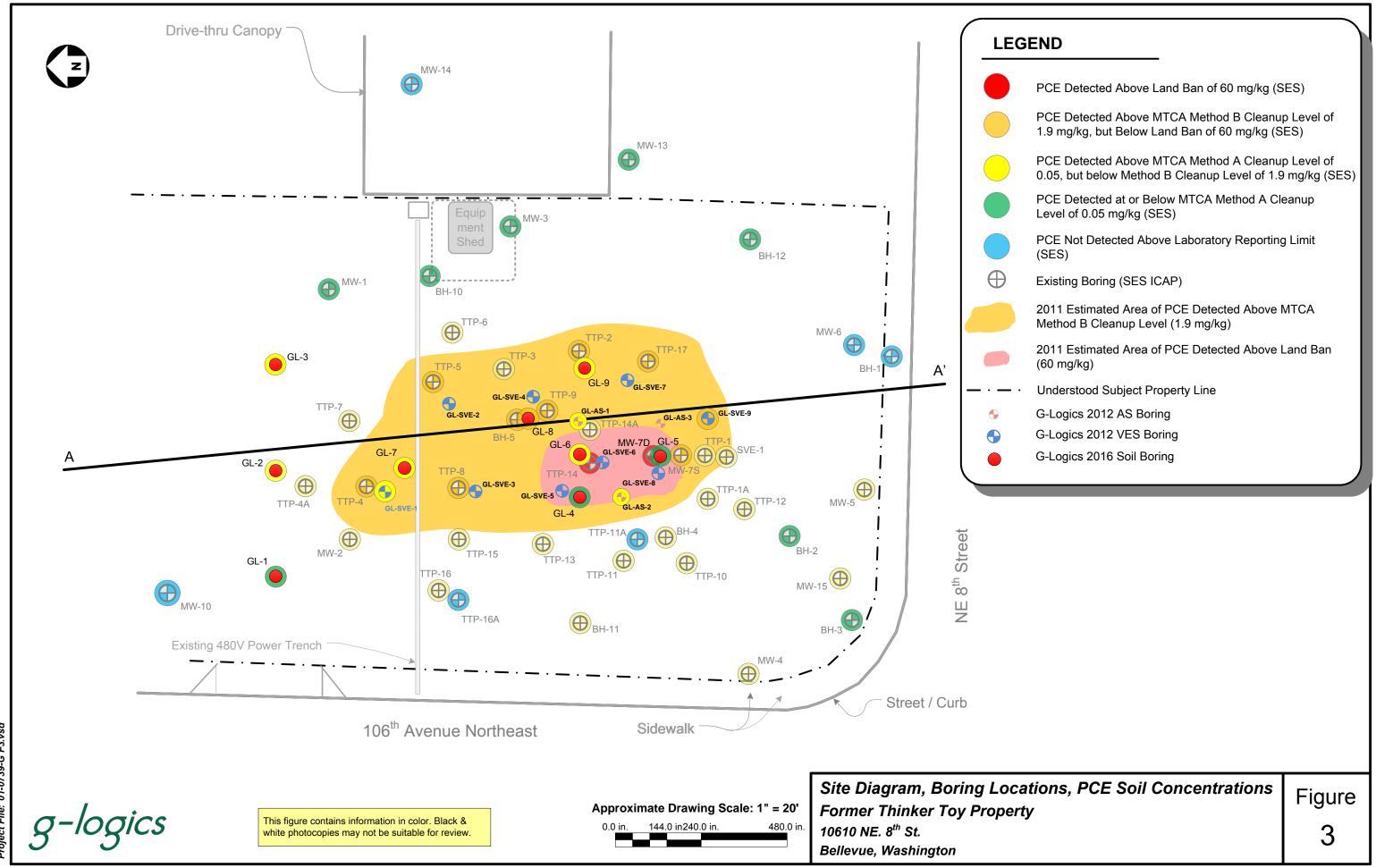
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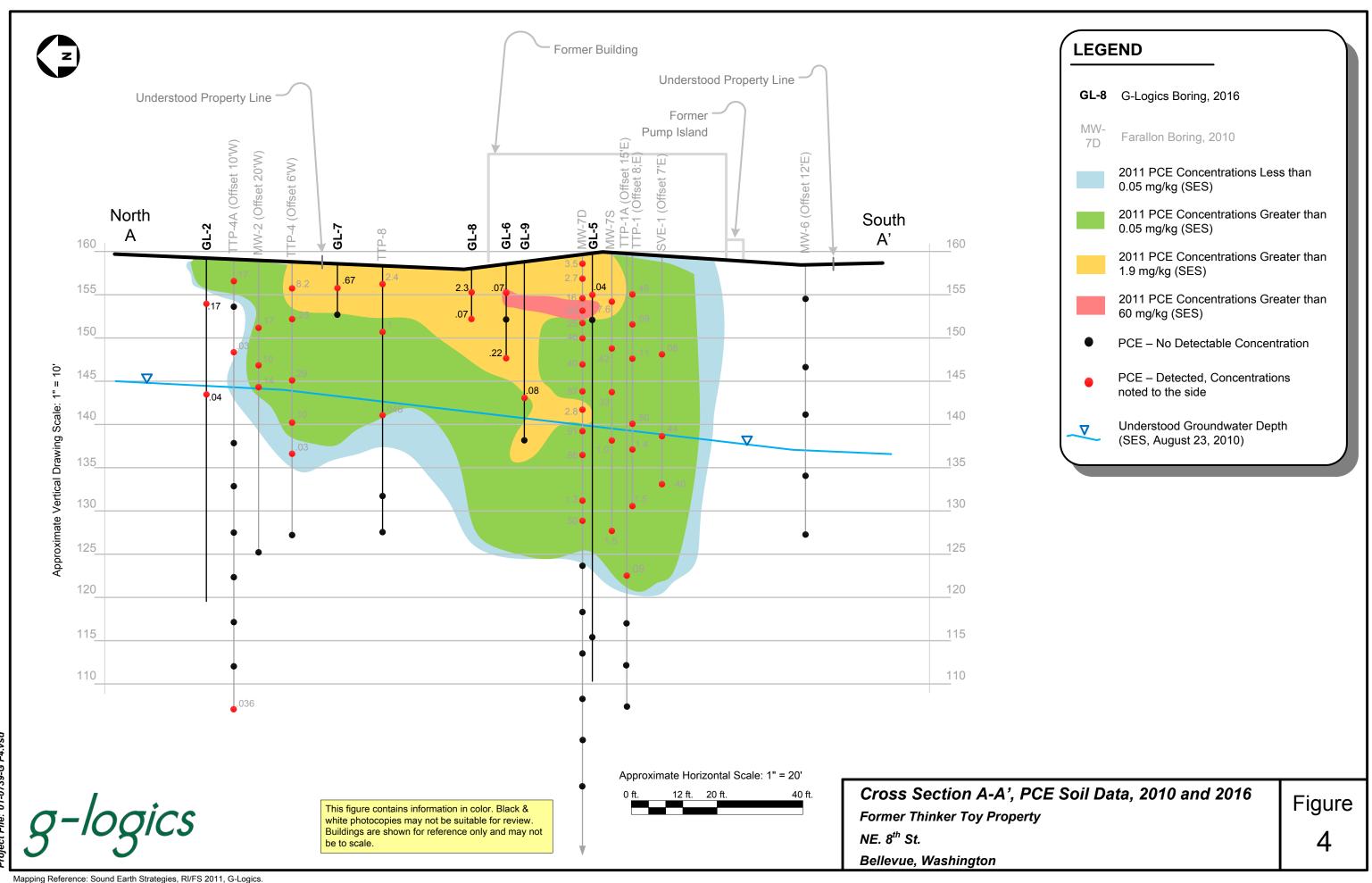
Site Location Maps
Former Thinker Toy Property
10610 NE 8th Street
Bellevue, Washington

Figure

1







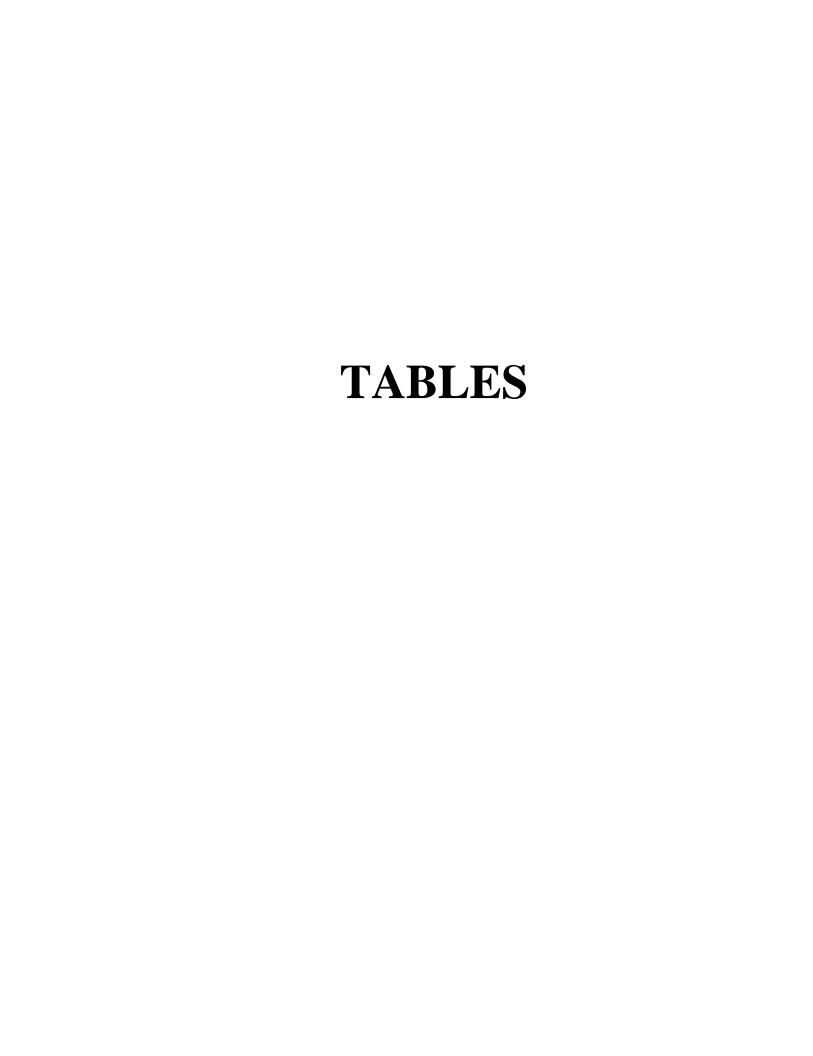


TABLE 1
Soil Sample Analyses
Former Thinker Toys Property
10610 NE 8th Street
Bellevue, Washington

					Sample.	Bothy	//	attene	, the	Joroethene	ane HCE	athere	Location	intti.)	Sample
Exploration Location	Sample Date	Sample Number	Sample Depth (ft)	Approxime	se sandry.	A Septimo Septimi	Joil 1.1. Dick	horoettene transit	Arcettene cisc. 2.5	diction of the Pricitor	ostrene lick	S QCE COMPRISE	Jocation Sangle	Death Mr.)	de Sangle Lieusion (t.)
(units in mg/kg)															
GL-1	11/21/2016	GL-1-5	5	154	0.0							MW-2	nc	nc	nc
			nc	nc	nc	nc	nc	nc	nc	nc	nc		7.5	152	0.17
		GL-1-10	10	149	0.0	<0.00193	< 0.0482	< 0.0193	< 0.0193	< 0.0193	<0.0193		11.5	148	0.096
		GL-1-15	15	144	0.0	<0.00187	<0.0468	< 0.0187	< 0.0187	< 0.0187	0.0353		14	145	0.14
			nc	nc	nc	nc	nc	nc	nc	nc	nc		16.5	143	0.030
		GL-1-20	20	139	0.0								nc	nc	nc
		GL-1-25	25	134	0.0								nc	nc	nc
		GL-1-30	30	129	0.0								29	130	< 0.025
		GL-1-35	35	124	0.0	<0.00221	< 0.0552	< 0.0221	< 0.0221	< 0.0221	<0.0221		nc	nc	nc
		GL-1-40	40	119	0.0								nc	nc	nc
 GL-2	11/21/2016		nc	nc	nc	nc	nc	nc	nc	nc	nc	TTP-4A	2.5	157	0.17
		GL-2-6	6	153	0.0								6	153	< 0.025
		GL-2-11	11	148	0.0	<0.00199	< 0.0497	< 0.0199	< 0.0199	< 0.0199	0.196		11	148	0.029
		GL-2-16	16	143	0.0	<0.00190	< 0.0474	< 0.0190	< 0.0190	< 0.0190	0.0356		nc	nc	nc
		GL-2-20	20	139	0.0								20	139	< 0.025
		GL-2-25	25	134	0.0								25	134	< 0.025
		GL-2-30	30	129	0.0								30	129	< 0.025
		GL-2-35	35	124	0.0								35	124	< 0.025
		GL-2-40	40	119	0.0	<0.00183	< 0.0458	< 0.0183	< 0.0183	< 0.0183	<0.0183		40	119	< 0.025
			nc	nc	nc	nc	nc	nc	nc	nc	nc		50	109	0.036
GL-3	11/21/2016		nc	nc	nc	nc	nc	nc	nc	nc	nc	TTP-7	4	157	0.10
		GL-3-6	6	155	0.0								8	153	0.15
		GL-3-11	11	150	0.0	<0.00215	< 0.0536	< 0.0215	< 0.0215	< 0.0215	0.0902		12	149	0.35
			nc	nc	nc	nc	nc	nc	nc	nc	nc		16.5	145	<0.025
		GL-3-25	25	136	0.0	<0.00198	< 0.0494	< 0.0198	<0.198	<0.0198	0.0752		22.5	139	< 0.025
		GL-3-30	30	131	0.0	<0.00202	< 0.0505	< 0.0202	< 0.0202	< 0.0202	<0.0202		29	132	0.081
		GL-3-36	36	125	0.0	<0.00201	< 0.0502	< 0.0201	< 0.0201	< 0.0201	<0.0201		nc	nc	nc
		GL-3-41	41	120	0.0								nc	nc	nc
ITCA Cleanup Le					NA	240*	4,000*	1,600*	160*	0.03	0.05				0.05

TABLE 1
Soil Sample Analyses
Former Thinker Toys Property
10610 NE 8th Street
Bellevue, Washington

				, ri	ate ation (ding (8)	oride	loroett.	2 sethene	ichlore	getheric lord	Settle Section	or karo	Depth 3	ate ation (
Exploration Location	Sample Date	Sample Number	Sample Depth (ft)	Approxim	Serie SID	Assign of the Control	1,1. Diet	horoettene transfr	dicettere disting	Jichoroe Hene Trichor	Detrete Total	Company	or Faralton) Sample	Death Mr.)	de Sample Levation (t.)
units in mg/kg)													<u>'</u>		
GL-4	11/22/2016	GL-4-5	5	155	0.0	<0.00223	<0.0558	<0.0223	< 0.0223	< 0.0223	<0.0223	TTP-14	4.5	155	99
			nc	nc	nc	nc	nc	nc	nc	nc	nc		6	154	3.9
		GL-4-8	8	152	0.0	<0.00194	<0.0484	< 0.0194	< 0.0194	< 0.0194	0.050		8.5	151	2.2
		GL-4-11	11	149	0.0	<0.00199	<0.0498	< 0.0199	< 0.0199	< 0.0199	0.099		11.5	148	3.6
			nc	nc	nc	nc	nc	nc	nc	nc	nc		14.5	145	0.89
			nc	nc	nc	nc	nc	nc	nc	nc	nc		20	140	2.3
			nc	nc	nc	nc	nc	nc	nc	nc	nc		23	137	0.82
			nc	nc	nc	nc	nc	nc	nc	nc	nc		29	131	0.76
		GL-4-35	35	125	0.0	<0.00207	<0.0518	< 0.0207	< 0.0207	< 0.0207	<0.0207	TTP-14A	35	125	0.19
		GL-4-40	40	120	0.0								40	120	0.087
		GL-4-46	46	114	0.0	<0.00201	< 0.0503	< 0.0201	<0.0201	< 0.0201	<0.0201		45	115	< 0.025
		GL-4-50	50	110	0.0								nc	nc	nc
L-5	11/22/2016		nc	nc	nc	nc	nc	nc	nc	nc	nc	MW-7D	2	158	3.5
			nc	nc	nc	nc	nc	nc	nc	nc	nc		3.5	156	2.7
		GL-5-5	5	155	0.0	<0.00229	< 0.0572	< 0.0229	< 0.0229	< 0.0229	0.0393		5.5	154	16
			nc	nc	nc	nc	nc	nc	nc	nc	nc		7	153	120
		GL-5-8	8	152	0.0	<0.00202	< 0.0505	<0.0202	<0.0202	<0.0202	<0.0202		8.5	151	0.25
		GL-5-11	11	149	0.0								10	150	0.46
			nc	nc	nc	nc	nc	nc	nc	nc	nc		13	147	0.4
			nc	nc	nc	nc	nc	nc	nc	nc	nc		16	144	0.87
			nc	nc	nc	nc	nc	nc	nc	nc	nc		19	141	2.8
			nc	nc	nc	nc	nc	nc	nc	nc	nc		20.5	139	0.91
			nc	nc	nc	nc	nc	nc	nc	nc	nc		23	137	0.86
			nc	nc	nc	nc	nc	nc	nc	nc	nc		28	132	1.3
			nc	nc	nc	nc	nc	nc	nc	nc	nc		30.5	129	0.5
		CL 5 40	nc 40	nc 420	nc	nc	nc	nc	nc	nc	nc		35.5	124	<0.025
		GL-5-40 GL-5-45	40 45	120 115	0.0	<0.00199	<0.0497	<0.0199	<0.0199	<0.0199	<0.0199		40.5 45.5	119 114	<0.025 <0.025
		GL-5-45 GL-5-50	50	110	0.0		<0.0497	<0.0199	<0.0199	<0.0199			50.5	109	<0.025
		JL 0 00	nc	nc	nc	nc	nc	nc	nc	nc	nc		55.5	109	<0.025
			nc	nc	nc	nc	nc	nc	nc	nc	nc		60.5	99	<0.025
			nc	nc	nc	nc	nc	nc	nc	nc	nc		70.5	89	< 0.025
			nc	nc	nc	nc	nc	nc	nc	nc	nc		80.5	79	< 0.025
			nc	nc	nc	nc	nc	nc	nc	nc	nc		85.5	74	< 0.025
			nc	nc	nc	nc	nc	nc	nc	nc	nc		90.5	69	<0.025
ITCA Cleanup Le					NA	240*	4,000*	1,600*	160*	0.03	0.05				0.05

TABLE 1
Soil Sample Analyses
Former Thinker Toys Property
10610 NE 8th Street
Bellevue, Washington

	_				/_	//				/ &	/ ~	/ //	•		
					Sample.	/ Sprul		, here	/ 🎍 /	roether	ne tick.	trene	ocation)	"ME"	Sample.
Exploration Location	Sample Date	Sample Number	Sample Depth (ft)	Approxit	ate ation 2 PID	Pastino leginal ch	A. Dick	horoettene transfr	it or of the state	Jichloroe there	Detrene Hite	settere Compaign	Location Sangle	Death Mr.)	de Sande Levation (tr.)
(units in mg/kg)													•		
GL-6	11/22/2016	GL-6-3	3	157	0.4	<0.00198	<0.0494	<0.0198	<0.0198	<0.0198	0.0703	TTP-14	4.5	155	99
		GL-6-6	6	154	0.0	<0.00237	< 0.0592	< 0.0237	< 0.0237	< 0.0237	< 0.0237		6	154	3.9
			nc	nc	nc	nc	nc	nc	nc	nc	nc		8.5	151	2.2
		GL-6-11	11	149	0.0	<0.00216	< 0.0541	< 0.0216	< 0.0216	< 0.0216	0.218		11.5	148	3.6
			nc	nc	nc	nc	nc	nc	nc	nc	nc		14.5	145	0.89
			nc	nc	nc	nc	nc	nc	nc	nc	nc		20	140	2.3
			nc	nc	nc	nc	nc	nc	nc	nc	nc		23	137	0.82
			nc	nc	nc	nc	nc	nc	nc	nc	nc		29	131	0.76
			nc	nc	nc	nc	nc	nc	nc	nc	nc	TTP-14A	35	125	0.19
			nc	nc	nc	nc	nc	nc	nc	nc	nc		40	120	0.087
			nc	nc	nc	nc	nc	nc	nc	nc	nc		45	115	<0.025
GL-7	11/22/2016	GL-7-3	3	156	0.0	<0.00241	<0.0603	<0.0241	<0.0241	<0.0241	0.675	TTP-4	2.5	157	8.2
		GL-6-6	6	153	0.0	<0.00222	< 0.0555	< 0.0222	< 0.0222	< 0.0222	<0.0222		6.5	153	0.25
			nc	nc	nc	nc	nc	nc	nc	nc	nc		13	146	0.29
			nc	nc	nc	nc	nc	nc	nc	nc	nc		17.5	142	0.095
			nc	nc	nc	nc	nc	nc	nc	nc	nc		21	138	0.029
			nc	nc	nc	nc	nc	nc	nc	nc	nc		30	129	<0.025
GL-8	11/22/2016	GL-8-3	3	157	0.1	<0.00271	<0.0676	<0.0271	<0.0271	0.0415	2.32	TTP-9	3	157	8.4
	,_	GL-8-6	6	154	0.0	<0.00213	< 0.0531	<0.0213	< 0.0213	<0.0213	0.0647	•	7	153	1.4
			nc	nc	nc	nc	nc	nc	nc	nc	nc		14	146	0.42
			nc	nc	nc	nc	nc	nc	nc	nc	nc		15.5	144	2.1
			nc	nc	nc	nc	nc	nc	nc	nc	nc		16.5	143	0.13
			nc	nc	nc	nc	nc	nc	nc	nc	nc		21	139	0.17
			nc	nc	nc	nc	nc	nc	nc	nc	nc		24	136	1.19
			nc	nc	nc	nc	nc	nc	nc	nc	nc		28	132	0.23
MTCA Cleanup L	evel (2)				NA	240*	4,000*	1,600*	160*	0.03	0.05				0.05

TABLE 1
Soil Sample Analyses
Former Thinker Toys Property
10610 NE 8th Street
Bellevue, Washington

Exploration Location	Sample Date	Sample Number	Sample Depth (ft)	Approxim	de Sandle.	Legino de de la circa ci	Jorde 1,1 Diet	ndroestere transf	ordestrene cisch 2	Jichloros thens	Detrete Tate That	Settle Comprise	n Location Sangle	Depth (H.)	date Sangle. Tetrachione
(units in mg/kg)															
GL-9	11/22/2016		nc	nc	nc	nc	nc	nc	nc	nc	nc	TTP-2	3	157	2.6
			nc	nc	nc	nc	nc	nc	nc	nc	nc		9	151	0.082
		GL-9-16	16	144	7.2	<0.00200	< 0.0500	< 0.0200	< 0.0200	< 0.0200	0.0803		15	145	15
			nc	nc	nc	nc	nc	nc	nc	nc	nc		18	142	0.20
		GL-9-21	21	139	0.0	<0.00193	< 0.0482	< 0.0193	< 0.0193	< 0.0193	<0.0193		nc	nc	nc
			nc	nc	nc	nc	nc	nc	nc	nc	nc		27	133	<0.025
MTCA Cleanup Le	vel (2)				NA	240*	4,000*	1,600*	160*	0.03	0.05				0.05

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

(2) Available Method A Cleanup Levels or Most Conservative Method B Cleanup Levels for Unrestricted Land Uses, MTCA, revised 2013. Exceeding Cleanup Levels does not necessarily trigger requirements for Cleanup Actions under MTCA.

- * Most conservative Method B Cleanup Level.
- --- Sample not analyzed.
- $<\!\!50.0\qquad \text{Sample concentration below listed laboratory-reporting limit}.$
- 27 Bold Number(s) Indicates Contaminant Detected.

Bold number(s) and yellow shading indicates concentration exceeds MTCA Cleanup Level.

nc Not Collected

APPENDIX A

APPENDIX A

FIELD EXPLORATION METHODS

G-Logics performed subsurface soil sampling during the assessment conducted 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.

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 track-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 stainless steel 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 soil sample was removed from the sampler, placed directly into laboratory-provided sample jars, and sealed with a Teflon lined lid. EPA Method 5035A was used for collection of samples to be analyzed for volatile constituents (PCE and breakdown products). Volatiles sampled were collected from the soil core using an Easy Draw Syringe and Powerstop Handle, and extruded into a 40 mil VOA Vial preserved with methanol.

The samples were then placed into an ice chest containing frozen "blue ice" for preservation. The sample was then forwarded to the analytical laboratory using proper Chain-of-Custody procedures. All soil sample containers were labeled with sample identification numbers, the date, and the sampler's name.



APPENDIX B

Bori	ng/Wel	Numbe	r: 6	1-1		Projec	ect Name: THINKER
Project N	ımber: 8	739-C	2	Date: 1//	21/16		Page _ / _ of
Drilling M	ethod: +/	SA	1	Started:	_		Weather:
Drilling C	ompany:	OWEN	13	Completed:	_		Other Information:
Boring Di				Backfilled V	lith: BEN	TONIT	72
Logged B	Zt :v			Surface Cor			
Depth in feet	Sample Type	Sample Number	Blows	6" % R	ec. PID (ppmv	USCS	Soil Description (USCS Soil Type, Color, Moisture, Density/ Consistency, Cementation, Grain Size, Odor, Other)
10		L-1-15 L-1-10	16 /34 28 50/5		D.0	SM.	2" ASPART LT BROWN SAND SOME SILT RAIR GRAVAL, DRY, NO ODDINE TRELIAND WATER LT BRAY, SANDY SILT [TILL) SOME GRAVEL SA-SR, DRY, NO DEFORM
Monum Ground Well Ca Well Bo Cement Bentoni 2" PVC 2" PVC Sand Caving/	p Void x Seal tto Seal Blank			Bor	ing Locat	ion Diag	gram Scale: 1 Square = feet N

Borir	ng/Wel	l Numbe	r: 61	/		Projec	t Nam	ne: THINKER
Project No	umber:	7391-6	Dat	e: ///	21/16			Page 2 of 2
Drilling M	ethod:	-	Sta	rted:	-			Weather:
Drilling Co	ompany:	-	Cor	mpleted:				Other Information:
Boring Dia	ameter:	-	Bad	kfilled With:	-			
Logged B	y:	-	Sur	face Condition	ons: —			
Depth in feet	Sample Type	Sample Number	Blows 6"	% Rec.	PID (ppmv)	USCS	(USCS So	SCription Il Type, Color, Moisture, Density/ ncy, Cementation, Grain Size, Odor, Other)
25	Q١	-1-25	50/6	475	9.0	3m	INPA	4 SILTY SAND (TILL)
30							DRY	LAU ORNA SONA
35	ુ 	-1-30	50/6,_ 	225	0.0			
 4 o	6	1-35	595	552	0.0		_1/10	eggaly moistrez
	- G1-	9-40	50/6	25	0.0		minutes and	40°
Monum. Ground S Well Cap Well Boo Cement Bentonit 2" PVC E 2" PVC S 2" PVC S Sand Caving/8	Surface D Void Seal Seal Seal Seal Seal Seal Seal Seal			Boring	Location	on Diagi	ram	Scale: 1 Square = feet

Borin	ng/Wel	l Numbe	r: 6	14-2		Projec	ct Nam	e: THINKER
Project No	umber:	139-6	1	Date: ///2	1/16			Page of _2
Drilling M	ethod:	-ISA	1 1	Started: —				Weather:
Drilling Co	ompany:	oron	VE C	Completed:	_			Other Information:
Boring Di	ameter:	1"	E	Backfilled With:	BENT	OWIT	2	
Logged B	y: J			Surface Condition				
Depth in feet	Sample Type	Sample Number	Blows	6" % Rec.	PID (ppmv)	USCS	Soil Des (USCS Soil Consistence	cription I Type, Color, Moisture, Density/ cy, Cementation, Grain Size, Odor, Other)
				-			21	ASPHALT
1 5				-1				
-								
5								
	1 1 100	2.6	17	100	0.0	SP	LT	BROWN SILTY SAND
			14					GREAVE CSA, DRY NO
		in a					0000	
-								
10								
		× +	10	100	0,0	_		
- 53		2-11	5019			SPC	LT	GRAY BROWN, SANDY
			-3				5147	Some GAVIL (SA)
							- OP	Some GAVIC (SA)
15								
			14	100	00	SP.SM	27 F	BIEW/GEAY SAND
		2-16	-15				Son	12 SILT (F-M), TRACE
							600	AZ SILT (F-M), TRACE
100			.,	1				
20			1111					
1		2-20	50/6	40	010	SM		ay SILT W/SAMS/FOM)
Monum.	Rise			Boring	Location	on Diagr	ram	
Ground S	Surface	>						Scale: 1 Square = feet
Well Cap	Void			-				
Well Box	1 1 1							
Cement	Seal							
Bentonit	e Seal							
2" PVC E	Blank							
2" PVC 5	Screen							
2" PVC F	Plug							
Sand Caving/E	BOR	— ``						o-logics
Savingit	-	200	********					3 3

Borii	ig/vvei	I Numbe			1	Projec	ct Name: - 14 INE 20
Project N	umber: () =	739-C	Date	e: ///	21/14	2	ect Name: THINK RC
Drilling M		-	Star	rted:			Weather:
Drilling C		-	Con	npleted:			Other Information:
Boring Di	ameter:	-		kfilled With:			
Logged B	Y	_	_	face Condition	ns:		
Depth in feet	Sample Type	Sample Number	Blows 6"	% Rec.	PID (ppmv)	USCS	Soil Description (USCS Soll Type, Color, Moisture, Density/ Consistency, Cementation, Grain Size, Odor, Other)
							31.10.37
0							
25		2-25	50/6	425	0.0	5M	CON CUE IN CARD
+-		7 2	20/6	====	010		CF-m), some GRAVE
							(A-SA) DEY, NO ORM
30							
		2-30	50/5	620	0.0		
35					-		0
		2-35	50/3	10	0,0		NO DOOR MOISURE
							NO ODOR
11				+			
40		2-40	50/6		0,0		Lead Del and mese
		-6-40	2016		0,0		GRAY, DRY, NO DEDE
							ESB 40
Monum.	Rise			Boring	Location	on Diag	gram
Ground	Surface	>					Scale: 1 Square = feet N
Well Ca	n Wold		PI				
Well Bo							
Cement	Seal	—					
Bentoni	te Seal						
2" PVC							
2 / 10	Didirk						
6.143.2	25.76%						
2" PVC							
2" PVC Sand	Plug						1 1
Caving/	вов	🟻					g-logic:

Borir	ng/Wel	l Numbe	r: 6	L	3		Projec	t Nam	ne: THINKAR	
Project Nu		739-0		Date:		1/16			Page of	
Drilling Me	ethod: 4	154		Started					Weather:	
Drilling Co		482008	NE	Comple	eted: ~				Other Information:	
Boring Dia		44		Backfil	lled With:	-				
Logged B	y: J	3		Surface	e Condition	ns:				
Depth in feet	Sample Type	Sample Number	Blows	6"	% Rec.	PID (ppmv)	uscs	(USCS So	SCription il Type, Color, Moisture, Density/ ncy, Cementation, Grain Size, Odor, Other)	
5			2	-						
/ ₀		3-6	1/3		100	0,0	SC	TRA	GRAVIBROUND SAN THE SILT (F.	m1)
		3-11	50/	6	100	6.0	Sm	INV	easing SILT	
<u>/5</u>			592	1					RECOVERY AVEL IN SHOR	
4 <u>0</u>		-	50/2		/			NO 69R	ereovali ever in sure	
Monum. Ground S Well Cap Well Boo Cement Bentonit 2" PVC E	Surface o Void Seal e Seal Blank				Boring	Location	on Diagr	ram	Scale: 1 Square =	feet
2" PVC F Sand Caving/E	Plug									g-logics

Bori	ng/Wel	I Numbe	er: [2]	-3		Proje	ct Nan	ne: THINKER
	umber: 0	739-1		Date: 11/2/	116			Page of
Drilling M	ethod:		/ s	tarted:				Weather:
Drilling C	ompany: «		C	ompleted:	_			Other Information:
Boring Di	ameter: .	_	В	ackfilled With:	-			
Logged B	y: ~		s	urface Condition	ons:			
Depth in feet	Sample Type	Sample Number	Blows 6	8" % Rec.	PID (ppmv)	USCS	(USCS So	escription oil Type, Color, Moisture, Density/ ncy, Cementation, Grain Size, Odor, Other)
10				1				
4								
25			0.07	-				
		3-25			0.0	SM	150	er little Recorder
			50/6	120			DR	1-1 Apran W/ 3" SAMORE
								BROWN SPAND W/ SILT (F-M)
							De)	1,000000
30		0 1.	mi	1.0	. 5			
		3-30	20/5	210	0.0			
2								
35		2 21	1000	7	10.0		-	
		3-36	COLV	75	0.0	00		14 SAND (F-M) SOM 2
			24I.			SP	(9)E1	T WET AT 36
//							15 20	on SM/SP CONTACT
40		3-41	35	7-	- 0			
		271	50/6	75	0.0	Sin	1-0	ale Cut e pare e
-			246				0.60	n), Tear coperate
							100	08 40'
Monum.	Rise			Boring	Location	on Diag		
	Surface			Dornig	Locati	on Diag	laili	Scale: 1 Square = feet
Well Cap								
Well Bo								
				1				
Bentoni	te Seal	— 1						
2" PVC	Blank							
2" PVC	Screen							
2" PVC	P' PVC Screen							
Sand								
Caving/I	вов	88						g-logics

Borin	ng/Wel	I Numbe	r: /_	1-4		Projec	ct Nan	ne: THINKER	
Project N	umber: 75	739-6-	2	Date: /	21/16			Page of	1
Drilling M	ethod: 🏒	F.S.A	1	Started:				Weather:	
Drilling Co	- 1	1010111	18	Completed:	_			Other Information:	1
Boring Di		100000	· v	Backfilled With	-				
Logged B	-	5	\rightarrow	Surface Conditi				1	
		3			_	l lines seem	1		1
Depth in feet	Sample Type	Sample Number	Blows	6" % Rec.	PID (ppmv)	uscs	(USCS S	escription oil Type, Color, Moisture, Density/ ncy, Cementation, Grain Size, Odor, Other)	
	-	in .					600	caterr	
- 10					1				5
1					7		17	ROOM SILT W/SARD	Ki
							15-	BROWN SILT W/SARD	1
5							(F		1
		4-5	7	175	0,0	SM	Del	170 No 108 30 Y =	1
		1-9	-5-	13-	1010		0	LER ACIDENTALY TO	
			-11-				2.	V 0 C. 0 CAN D	
		4-8	-8-	-100-	0.5		984	M) DEV, NO UDER	
		7	75				(E.	WI) DEV, NO OBER	
10									
		n-n	10	100	0.0				
		4-11	75	,					
			1.4						
			-1				DE	2166 - 10 35	
15			p comme						
7	-			100					
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20				-	-				1
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								Ý	}
					1				
11									
Monum.	Rise			Borin	g Locati	on Diag	ram		
Ground :	Surface	>						Scale: 1 Square = feet	
000000									
Well Cap									
Cement									
100000									
Bentoni	te Seal								
2" PVC I	Blank		Ш						
2" PVC 5	Screen								
2" PVC	Plug		Ц						
Sand	_	—						a-logics	
Caving/	ВОВ	900	********					3 108/03	

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Boring/V	Vell Numbe	r. GL	Project Nar			ct Nam	Page Zor 3		
Project Number:	0739-6	Dar	Date: 1/21/16				Page of 3		
Drilling Method:	_	arted:				Weather:			
Drilling Company	y: —	Cor	mpleted:	_			Other Information:		
Boring Diameter:	-	Bar	ckfilled With:	-					
Logged By:	-	Sur	rface Conditio	ons:					
	mple Sample Blows 6		% Rec.	PID (ppmv)	1.00	Soil Description (USCS Soil Type, Color, Moisture, Density/ Consistency, Cementation, Grain Size, Odor, Other)			
30 35	4-35	\$0/\omega	210	0.0	3/u		DRILL FROM 10' 10' AU, SILT SOME SOMO(F) EY, LU FOSON THE GRAVEL (A) (AU ODUR		
Monum. Rise Ground Surface Well Cap Void Well Box Cement Seal Bentonite Seal 2" PVC Blank 2" PVC Screen 2" PVC Plug Sand Caving/BOB			Boring	Location	on Diag	ram	Scale: 1 Square = feet N		

Borin	ng/Wel	I Numbe	er: 011	-4		Projec	Name: THINKS	R		
Project Number: 0739-69 Date: 11/2/16							Page 3 of 3	Page 3 of 3		
Drilling Method: Started:					_		Weather:			
Drilling C	ompany:	-	Co	mpleted:	-		Other Information:			
Boring Diameter: Backfi					-					
Logged B	y:	-	Su	rface Condition	ons:					
Depth			Blows 6'	% Rec.	PID	USCS	Soil Description	Description		
in feet	Type	Number			(ppmv)		(USCS Soil Type, Color, Moisture, Dens Consistency, Cementation, Grain Size,	sity/ Odor, Other)		
1			1-11-	I						
121				1						
==										
45								40		
	0	4-46	38	75	8.0_	Sm	GRAY SILT, CF), SONVE O	Some Sano		
			20/3				(F) some a	gener (m-1)		
							(A) Del No	opore		
							< ', '			
50				-						
12		4-50	50/6-	25		-	INLERASING SA	NP(F)		
							EOB 50			
5										
11				200						
1,-97										
0										
				lare of	· ·					
1 100										
1 20				1						
122				l						
					-					
Monum.	Rise			Boring	Location	on Diag	m			
Ground :	Surface						Scale: 1 Sq	uare = feet N		
Well Cap	Void		P							
Well Bo										
Cement	Seal									
Dentesi	n Cool									
Bentonii										
2" PVC I	Blank				3					
		•								
2" PVC 5	Screen									
2" PVC I	Plug	:								
Sand	_	— ×						a-logics		
Caving/	BOB	90	*********					3 103163		

Borin	ng/Wel	Numbe	r: 601	1.5	S Project Nan			ne:		
Project Number: 8739-9 Date					1/22/	16		Page of		
Drilling Method: 15A Sta					- 1			Weather:		
Drilling Company: 4000000 Com								Other Information:		
Boring Diameter: 4					With: ~					
Logged By: 3 Sur					nditions:					
Depth in feet	Sample Type	Sample Number	Blows	6" % F	Rec. PID (ppmv)	USCS	(USCS So	scription oil Type, Color, Moisture, Density/ ncy, Cementation, Grain Size, Odor, Other)		
5		5+5	200	90	0 8.0	SP		W SILTY SAND(FC)		
0		5-8	12 10		D_ &.D_	15 m	BEC	omas GRAV (7.57)		
		S-11	20/2/5	10	0 0.0		6P/	Y SILT SOME SAND -m) SOME GRAVEL (F-m) DRY, NO DREVE		
5								4		
0								Delle TO 40		
Monum.	Rise	> [Во	ring Locat	ion Diag	ram	Scale: 1 Square = feet		
Well Cap Well Box Cement	ĸ									
Bentonii 2" PVC I										
2" PVC ! 2" PVC ! Sand										
Caving/I	вов	🟻						g-logics		
								Copyright G-Logics, field boring log form.vsd		

Borin	ng/Well	Numbe	r: GL	.5	S Project Nam			ne:		
Project Number: 6739-6 Da				ate: ///-	22/16			Page Z of 3		
Drilling Method: Sta Drilling Company: Cor				arted:	1			Weather: — Other Information:		
				ompleted: -	_					
				ackfilled With:	_					
Logged B	y:		Si	urface Conditio	ns:					
Depth in feet	Pepth Sample Sample Blows		Blows 6	" % Rec.	PID (ppmv)	USCS	Soil Description (USCS Soil Type, Color, Moisture, Density/ Consistency, Cementation, Grain Size, Odor, Other)			
-	veries					-				
15										
-							-			
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	1013-9			of Vision and				Committee and the second		
	On models,/									
20				-	-					
								Denz	TO-40	
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-				+						
Monum	. Rise			Boring	Locati	on Diag	ram	100000000000000000000000000000000000000		
Ground	Surface							Scale: 1 Square =	feet	
Well Ca	p Void		4							
Well Bo	х	— III								
Cement	Seal									
Bentoni	te Seal									
Bentonite Seal										
2" PVC Blank										
2" PVC										
2" PVC Sand	Plug									
Caving/	вов	8							g-logics	

Borin	ng/Wel	I Numbe	r: G	2-5 Project Na				ame: Taraker		
Project Number: 6739-6 Dat				Date: ///2/16				Page of		
Drilling Method: Sta				Started:				Weather:		
Drilling Company: Con				ompleted:				Other Information:		
Boring Diameter: Bac				ackfilled With:						
Logged B	y: -		s	urface Conditio	ns: -					
Depth Sample Sample Blows 6"			" % Rec.	PID	USCS	Soil De	scription			
in feet	Туре	Number		70 1100	(ppmv)	3000	(USCS So	oll Type, Color, Moisture, Density/ ncy, Cementation, Grain Size, Odor, Other)		
					-		Consister	noy, sementation, stam size, saot, salery		
							7			
								DRILL FROM		
- 57								10		
35										
75										
								·H		
do								\		
40		5-40	50/3	1210	0.0	5M	100	DAY SUT SOME SOME		
			12.		0.0	2	-70	EAY SILT SOME SOME(F)		
								Cre Capation (F-10)		
4										
45		Care	CRI	120	0.0					
		5-45	244	2.00	0,0					
50										
20		5-50	50/10	40	0.0		To	MAR SALLAND TALLS		
		2-21	-46	-4U.	0.0		(6	PAVAL (F-m)(A)		
							7	BRYLL (F-M)(A)		
								03 50		
42	->							0.5 - 20		
	Die			Desir		- P'-				
Monum.	Surface			Boring	Locati	on Diagi	ram	Scale: 1 Square = feet		
Ground	Surface									
Well Cap	Void			1-						
Well Box Cement		—								
Cement	Seal		1 1							
Bentonit	e Seal									
2" PVC Blank										
2" PVC S	Screen		П							
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Sand Caving/E	ВОВ	_ 🖁						g-logics		
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Bori	ng/Wel	l Numbe	r: 6	71	0		Projec	t Nan	ne: THINKER
Project N		739-0		Date:	11/2	2/16			Page of
Drilling M	ethod:	+SA	1	Starte	-				Weather:
Drilling C	ompany:	+0200	NZ.	Comp	leted:				Other Information:
Boring Di	- 7	46		Backfi	illed With:	_			
Logged B	y: J3	i		Surfac	e Conditio	ns:			
Depth in feet	Sample Type	Sample Number	Blows	s 6"	% Rec.	PID (ppmv)	USCS	(USCS So	scription ill Type, Color, Moisture, Density/ ncy, Cementation, Grain Size, Odor, Other)
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Copyright G-Logics, field boring log form.vsd

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Project N	umber:	737-6	_	Date:	11/27	2/16			Page of				
Drilling M	ethod: †	159	1	Starte	d:	1			Weather:				
Drilling C	ompany:	OLOUR	NE	Comp	leted:				Other Information:				
Boring Di		*"		Backfi	illed With:	-							
Logged B	y: J.	S		Surfac	e Conditio	ns:							
Depth in feet	Sample Type	Sample Number	Blows	s 6"	% Rec.	PID (ppmv)	USCS	(USCS So	il Description CS Soil Type, Color, Molsture, Density/ sistency, Cementation, Grain Size, Odor, Other)				
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Sand Caving/E	вов	_ ඎ							g-logics				

Borin	ng/Well	Numbe	r: (5)	6-8		Projec	t Nam	e: THINKER				
Project N	umber:	139-G		Date: ///2	2/16			Page of				
Drilling M	ethod:	SA		Started:	-			Weather:				
Drilling C		OLOCZA	15	Completed: -	_			Other Information:				
Boring Di		2		Backfilled With:	~			-				
Logged B	y: 15	\$		Surface Conditio	ns: -							
Depth	Sample	Sample	Blows	6" % Rec.	PID	USCS	Soil Des	oil Description				
in feet	Туре	Number			(ppmv)		(USCS Soil	Type, Color, Moisture, Density/ y, Cementation, Grain Size, Odor, Other)				
5	8-6		14/19		0.0	sesm Sm	279, (+)	MARIO (F-M) NE SILT SOME GENTEL MOIST FOR SOME GENTEL - FEC MOYDUR BB B				
Monum. Ground Well Ca Well Bo Cement Bentoni 2" PVC 2" PVC Sand Caving//	p Void x Seal the Seal Blank			Boring	Location	on Diagr	ram	Scale: 1 Square =feet N				

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Project Nu	ımber: 💍	7391-1	9	Date:	1//	2416)		Page of
Drilling Me		HSA		Starte		71			Weather:
Drilling Co		HOLOU	SINS	Comp	oleted:				Other Information:
Boring Dia		111	7-6	Backf	illed With:	-			
Logged B	27:			Surfac	ce Conditio	ns: -			
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2" PVC 5	Screen								
2" PVC F	Plug		Ш						
Sand	_								a-logics
Caving/E	ВОВ	80							9 109163

APPENDIX C



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

G-Logics Jon Stordahl 40 Second Ave. SE

Issaguah, WA 98027

RE: Thinker Toys

Work Order Number: 1611226

November 30, 2016

Attention Jon Stordahl:

Fremont Analytical, Inc. received 29 sample(s) on 11/22/2016 for the analyses presented in the following report.

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

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.

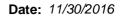
Thank you for using Fremont Analytical.

And c. Rady

Sincerely,

Mike Ridgeway Laboratory Director

DoD/ELAP Certification #L2371, ISO/IEC 17025:2005 ORELAP Certification: WA 100009-007 (NELAP Recognized)





CLIENT: G-Logics Work Order Sample Summary

Project: Thinker Toys
Work Order: 1611226

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1611226-001	GL-1-5	11/21/2016 7:45 AM	11/22/2016 9:54 AM
1611226-002	GL-1-10	11/21/2016 8:00 AM	11/22/2016 9:54 AM
1611226-003	GL-1-15	11/21/2016 8:10 AM	11/22/2016 9:54 AM
1611226-004	GL-1-20	11/21/2016 8:15 AM	11/22/2016 9:54 AM
1611226-005	GL-1-25	11/21/2016 8:20 AM	11/22/2016 9:54 AM
1611226-006	GL-1-30	11/21/2016 8:25 AM	11/22/2016 9:54 AM
1611226-007	GL-1-35	11/21/2016 8:30 AM	11/22/2016 9:54 AM
1611226-008	GL-1-40	11/21/2016 8:40 AM	11/22/2016 9:54 AM
1611226-009	GL-2-6	11/21/2016 9:30 AM	11/22/2016 9:54 AM
1611226-010	GL-2-11	11/21/2016 9:40 AM	11/22/2016 9:54 AM
1611226-011	GL-2-16	11/21/2016 9:45 AM	11/22/2016 9:54 AM
1611226-012	GL-2-20	11/21/2016 9:50 AM	11/22/2016 9:54 AM
1611226-013	GL-2-25	11/21/2016 10:00 AM	11/22/2016 9:54 AM
1611226-014	GL-2-30	11/21/2016 10:10 AM	11/22/2016 9:54 AM
1611226-015	GL-2-35	11/21/2016 10:15 AM	11/22/2016 9:54 AM
1611226-016	GL-2-40	11/21/2016 10:20 AM	11/22/2016 9:54 AM
1611226-017	GL-3-6	11/21/2016 11:10 AM	11/22/2016 9:54 AM
1611226-018	GL-3-11	11/21/2016 11:15 AM	11/22/2016 9:54 AM
1611226-019	GL-3-25	11/21/2016 11:30 AM	11/22/2016 9:54 AM
1611226-020	GL-3-30	11/21/2016 11:40 AM	11/22/2016 9:54 AM
1611226-021	GL-3-36	11/21/2016 11:55 AM	11/22/2016 9:54 AM
1611226-022	GL-3-41	11/21/2016 12:05 PM	11/22/2016 9:54 AM
1611226-023	GL-4-5	11/21/2016 1:20 PM	11/22/2016 9:54 AM
1611226-024	GL-4-8	11/21/2016 1:30 PM	11/22/2016 9:54 AM
1611226-025	GL-4-11	11/21/2016 1:35 PM	11/22/2016 9:54 AM
1611226-026	GL-4-35	11/21/2016 1:55 PM	11/22/2016 9:54 AM
1611226-027	GL-4-40	11/21/2016 2:00 PM	11/22/2016 9:54 AM
1611226-028	GL-4-46	11/21/2016 2:15 PM	11/22/2016 9:54 AM
1611226-029	GL-4-50	11/21/2016 2:30 PM	11/22/2016 9:54 AM



Case Narrative

WO#: **1611226**Date: **11/30/2016**

CLIENT: G-Logics
Project: 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").

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.



Qualifiers & Acronyms

WO#: **1611226**

Date Reported: 11/30/2016

Qualifiers:

- * Flagged value is not within established control limits
- 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
- I Analyte with an internal standard that does not meet established acceptance criteria
- J Analyte detected below Reporting Limit
- N Tentatively Identified Compound (TIC)
- Q Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
- S Spike recovery outside accepted recovery limits
- ND Not detected at the Reporting Limit
- R High relative percent difference observed

Acronyms:

%Rec - Percent Recovery

CCB - Continued Calibration Blank

CCV - Continued Calibration Verification

DF - Dilution Factor

HEM - Hexane Extractable Material

ICV - Initial Calibration Verification

LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate

MB or MBLANK - Method Blank

MDL - Method Detection Limit

MS/MSD - Matrix Spike / Matrix Spike Duplicate

PDS - Post Digestion Spike

Ref Val - Reference Value

RL - Reporting Limit

RPD - Relative Percent Difference

SD - Serial Dilution

SGT - Silica Gel Treatment

SPK - Spike

Surr - Surrogate



Work Order: **1611226**Date Reported: **11/30/2016**

Client: G-Logics Collection Date: 11/21/2016 8:00:00 AM

Project: Thinker Toys

Lab ID: 1611226-002 **Matrix:** Soil

Client Sample ID: GL-1-10

Analyses	Result	RL	Qual	Units	DF	Date	Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ı ID:	15517	Analyst: NG
Vinyl chloride	ND	0.00193		mg/Kg-dry	1	11/22/2	016 8:00:28 PM
1,1-Dichloroethene	ND	0.0482		mg/Kg-dry	1	11/22/2	016 8:00:28 PM
trans-1,2-Dichloroethene	ND	0.0193		mg/Kg-dry	1	11/22/2	016 8:00:28 PM
cis-1,2-Dichloroethene	ND	0.0193		mg/Kg-dry	1	11/22/2	016 8:00:28 PM
Trichloroethene (TCE)	ND	0.0193		mg/Kg-dry	1	11/22/2	016 8:00:28 PM
Tetrachloroethene (PCE)	ND	0.0193		mg/Kg-dry	1	11/22/2	016 8:00:28 PM
Surr: Dibromofluoromethane	99.1	56.5-129		%Rec	1	11/22/2	016 8:00:28 PM
Surr: Toluene-d8	99.4	64.3-131		%Rec	1	11/22/2	016 8:00:28 PM
Surr: 1-Bromo-4-fluorobenzene	98.1	63.1-141		%Rec	1	11/22/2	016 8:00:28 PM
Sample Moisture (Percent Moist	ture)			Batch	ı ID:	R33050	Analyst: BB
Percent Moisture	9.74	0.500		wt%	1	11/22/2	016 12:30:59 PM



Batch ID: R33125

Work Order: **1611226**Date Reported: **11/30/2016**

Analyst: BB

Client: G-Logics Collection Date: 11/21/2016 8:10:00 AM

Project: Thinker Toys

Lab ID: 1611226-003 **Matrix:** Soil

Client Sample ID: GL-1-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ID: 15	550 Analyst: NG
Vinyl chloride	ND	0.00187	Q	mg/Kg-dry	1	11/29/2016 10:29:48 PM
1,1-Dichloroethene	ND	0.0468		mg/Kg-dry	1	11/29/2016 10:29:48 PM
trans-1,2-Dichloroethene	ND	0.0187		mg/Kg-dry	1	11/29/2016 10:29:48 PM
cis-1,2-Dichloroethene	ND	0.0187		mg/Kg-dry	1	11/29/2016 10:29:48 PM
Trichloroethene (TCE)	ND	0.0187		mg/Kg-dry	1	11/29/2016 10:29:48 PM
Tetrachloroethene (PCE)	0.0353	0.0187		mg/Kg-dry	1	11/29/2016 10:29:48 PM
Surr: Dibromofluoromethane	97.7	56.5-129		%Rec	1	11/29/2016 10:29:48 PM
Surr: Toluene-d8	99.4	64.3-131		%Rec	1	11/29/2016 10:29:48 PM
Surr: 1-Bromo-4-fluorobenzene	97.9	63.1-141		%Rec	1	11/29/2016 10:29:48 PM

NOTES:

Sample Moisture (Percent Moisture)

Percent Moisture 11.7 0.500 wt% 1 11/29/2016 12:18:48 PM

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).



Work Order: **1611226**Date Reported: **11/30/2016**

Client: G-Logics Collection Date: 11/21/2016 8:30:00 AM

Project: Thinker Toys

Lab ID: 1611226-007 **Matrix:** Soil

Client Sample ID: GL-1-35

Analyses	Result	RL	Qual	Units	DF	Da	te Analyzed
Volatile Organic Compounds by	8260C		Batch	ı ID:	15517	Analyst: NG	
Vinyl chloride	ND	0.00221		mg/Kg-dry	1	11/22	2/2016 8:29:40 PM
1,1-Dichloroethene	ND	0.0552		mg/Kg-dry	1	11/22	2/2016 8:29:40 PM
trans-1,2-Dichloroethene	ND	0.0221		mg/Kg-dry	1	11/22	2/2016 8:29:40 PM
cis-1,2-Dichloroethene	ND	0.0221		mg/Kg-dry	1	11/22	2/2016 8:29:40 PM
Trichloroethene (TCE)	ND	0.0221		mg/Kg-dry	1	11/22	2/2016 8:29:40 PM
Tetrachloroethene (PCE)	ND	0.0221		mg/Kg-dry	1	11/22	2/2016 8:29:40 PM
Surr: Dibromofluoromethane	97.8	56.5-129		%Rec	1	11/22	2/2016 8:29:40 PM
Surr: Toluene-d8	99.4	64.3-131		%Rec	1	11/22	2/2016 8:29:40 PM
Surr: 1-Bromo-4-fluorobenzene	97.1	63.1-141		%Rec	1	11/22	2/2016 8:29:40 PM
Sample Moisture (Percent Moist	ture)			Batch	ID: I	R33050	Analyst: BB
Percent Moisture	8.46	0.500		wt%	1	11/2	2/2016 12:30:59 PM



Batch ID: R33125

Work Order: **1611226**Date Reported: **11/30/2016**

Analyst: BB

Client: G-Logics Collection Date: 11/21/2016 9:40:00 AM

Project: Thinker Toys

Lab ID: 1611226-010 **Matrix:** Soil

Client Sample ID: GL-2-11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by		Batch ID: 15550 Analys				
Vinyl chloride	ND	0.00199	Q	mg/Kg-dry	1	11/29/2016 10:58:54 PM
1,1-Dichloroethene	ND	0.0497		mg/Kg-dry	1	11/29/2016 10:58:54 PM
trans-1,2-Dichloroethene	ND	0.0199		mg/Kg-dry	1	11/29/2016 10:58:54 PM
cis-1,2-Dichloroethene	ND	0.0199		mg/Kg-dry	1	11/29/2016 10:58:54 PM
Trichloroethene (TCE)	ND	0.0199		mg/Kg-dry	1	11/29/2016 10:58:54 PM
Tetrachloroethene (PCE)	0.196	0.0199		mg/Kg-dry	1	11/29/2016 10:58:54 PM
Surr: Dibromofluoromethane	97.3	56.5-129		%Rec	1	11/29/2016 10:58:54 PM
Surr: Toluene-d8	99.4	64.3-131		%Rec	1	11/29/2016 10:58:54 PM
Surr: 1-Bromo-4-fluorobenzene	97.9	63.1-141		%Rec	1	11/29/2016 10:58:54 PM

NOTES:

Sample Moisture (Percent Moisture)

Percent Moisture 8.08 0.500 wt% 1 11/29/2016 12:18:48 PM

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).



Work Order: **1611226**Date Reported: **11/30/2016**

Client: G-Logics Collection Date: 11/21/2016 9:45:00 AM

Project: Thinker Toys

Lab ID: 1611226-011 **Matrix:** Soil

Client Sample ID: GL-2-16

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ID:	15517 Analyst: NG
Vinyl chloride	ND	0.00190		mg/Kg-dry	1	11/22/2016 8:58:56 PM
1,1-Dichloroethene	ND	0.0474		mg/Kg-dry	1	11/22/2016 8:58:56 PM
trans-1,2-Dichloroethene	ND	0.0190		mg/Kg-dry	1	11/22/2016 8:58:56 PM
cis-1,2-Dichloroethene	ND	0.0190		mg/Kg-dry	1	11/22/2016 8:58:56 PM
Trichloroethene (TCE)	ND	0.0190		mg/Kg-dry	1	11/22/2016 8:58:56 PM
Tetrachloroethene (PCE)	0.0356	0.0190		mg/Kg-dry	1	11/22/2016 8:58:56 PM
Surr: Dibromofluoromethane	96.7	56.5-129		%Rec	1	11/22/2016 8:58:56 PM
Surr: Toluene-d8	99.6	64.3-131		%Rec	1	11/22/2016 8:58:56 PM
Surr: 1-Bromo-4-fluorobenzene	96.8	63.1-141		%Rec	1	11/22/2016 8:58:56 PM
Sample Moisture (Percent Moist	ture)			Batch	ID:	R33050 Analyst: BB
Percent Moisture	10.5	0.500		wt%	1	11/22/2016 12:30:59 PM



Work Order: **1611226**Date Reported: **11/30/2016**

Client: G-Logics Collection Date: 11/21/2016 10:20:00 AM

Project: Thinker Toys

Lab ID: 1611226-016 **Matrix:** Soil

Client Sample ID: GL-2-40

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ID:	15517 Analyst: NG
Vinyl chloride	ND	0.00183		mg/Kg-dry	1	11/22/2016 9:28:11 PM
1,1-Dichloroethene	ND	0.0458		mg/Kg-dry	1	11/22/2016 9:28:11 PM
trans-1,2-Dichloroethene	ND	0.0183		mg/Kg-dry	1	11/22/2016 9:28:11 PM
cis-1,2-Dichloroethene	ND	0.0183		mg/Kg-dry	1	11/22/2016 9:28:11 PM
Trichloroethene (TCE)	ND	0.0183		mg/Kg-dry	1	11/22/2016 9:28:11 PM
Tetrachloroethene (PCE)	ND	0.0183		mg/Kg-dry	1	11/22/2016 9:28:11 PM
Surr: Dibromofluoromethane	96.3	56.5-129		%Rec	1	11/22/2016 9:28:11 PM
Surr: Toluene-d8	98.5	64.3-131		%Rec	1	11/22/2016 9:28:11 PM
Surr: 1-Bromo-4-fluorobenzene	97.6	63.1-141		%Rec	1	11/22/2016 9:28:11 PM
Sample Moisture (Percent Moist	ture)			Batch	ID:	R33050 Analyst: BB
Percent Moisture	7.77	0.500		wt%	1	11/22/2016 12:30:59 PM



Work Order: **1611226**Date Reported: **11/30/2016**

Client: G-Logics Collection Date: 11/21/2016 11:15:00 AM

Project: Thinker Toys

Lab ID: 1611226-018 **Matrix:** Soil

Client Sample ID: GL-3-11

Analyses	Result	RL	Qual	Units	DF	Da	te Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ID:	15517	Analyst: NG
Vinyl chloride	ND	0.00215		mg/Kg-dry	1	11/22	2/2016 9:57:13 PM
1,1-Dichloroethene	ND	0.0536		mg/Kg-dry	1	11/22	2/2016 9:57:13 PM
trans-1,2-Dichloroethene	ND	0.0215		mg/Kg-dry	1	11/22	2/2016 9:57:13 PM
cis-1,2-Dichloroethene	ND	0.0215		mg/Kg-dry	1	11/22	2/2016 9:57:13 PM
Trichloroethene (TCE)	ND	0.0215		mg/Kg-dry	1	11/22	2/2016 9:57:13 PM
Tetrachloroethene (PCE)	0.0902	0.0215		mg/Kg-dry	1	11/22	2/2016 9:57:13 PM
Surr: Dibromofluoromethane	96.7	56.5-129		%Rec	1	11/22	2/2016 9:57:13 PM
Surr: Toluene-d8	99.6	64.3-131		%Rec	1	11/22	2/2016 9:57:13 PM
Surr: 1-Bromo-4-fluorobenzene	97.0	63.1-141		%Rec	1	11/22	2/2016 9:57:13 PM
Sample Moisture (Percent Moist	ture)			Batch	ID: I	R33050	Analyst: BB
Percent Moisture	8.21	0.500		wt%	1	11/2	2/2016 12:30:59 PM



Work Order: **1611226**Date Reported: **11/30/2016**

Analyst: CG

Batch ID: R33098

Client: G-Logics Collection Date: 11/21/2016 11:30:00 AM

Project: Thinker Toys

Lab ID: 1611226-019 **Matrix:** Soil

Client Sample ID: GL-3-25

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ID: 15	534 Analyst: NG
Vinyl chloride	ND	0.00198	Q	mg/Kg-dry	1	11/29/2016 10:18:39 AM
1,1-Dichloroethene	ND	0.0494		mg/Kg-dry	1	11/29/2016 10:18:39 AM
trans-1,2-Dichloroethene	ND	0.0198		mg/Kg-dry	1	11/29/2016 10:18:39 AM
cis-1,2-Dichloroethene	ND	0.0198		mg/Kg-dry	1	11/29/2016 10:18:39 AM
Trichloroethene (TCE)	ND	0.0198		mg/Kg-dry	1	11/29/2016 10:18:39 AM
Tetrachloroethene (PCE)	0.0752	0.0198		mg/Kg-dry	1	11/29/2016 10:18:39 AM
Surr: Dibromofluoromethane	96.3	56.5-129		%Rec	1	11/29/2016 10:18:39 AM
Surr: Toluene-d8	101	64.3-131		%Rec	1	11/29/2016 10:18:39 AM
Surr: 1-Bromo-4-fluorobenzene	96.0	63.1-141		%Rec	1	11/29/2016 10:18:39 AM

NOTES:

Sample Moisture (Percent Moisture)

Percent Moisture 9.00 0.500 wt% 1 11/28/2016 9:08:22 AM

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).



Batch ID: R33125

Work Order: **1611226**Date Reported: **11/30/2016**

Analyst: BB

Client: G-Logics Collection Date: 11/21/2016 11:40:00 AM

Project: Thinker Toys

Lab ID: 1611226-020 **Matrix:** Soil

Client Sample ID: GL-3-30

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ID: 1	5550 Analyst: NG
Vinyl chloride	ND	0.00202	Q	mg/Kg-dry	1	11/29/2016 11:28:07 PM
1,1-Dichloroethene	ND	0.0505		mg/Kg-dry	1	11/29/2016 11:28:07 PM
trans-1,2-Dichloroethene	ND	0.0202		mg/Kg-dry	1	11/29/2016 11:28:07 PM
cis-1,2-Dichloroethene	ND	0.0202		mg/Kg-dry	1	11/29/2016 11:28:07 PM
Trichloroethene (TCE)	ND	0.0202		mg/Kg-dry	1	11/29/2016 11:28:07 PM
Tetrachloroethene (PCE)	ND	0.0202		mg/Kg-dry	1	11/29/2016 11:28:07 PM
Surr: Dibromofluoromethane	96.0	56.5-129		%Rec	1	11/29/2016 11:28:07 PM
Surr: Toluene-d8	98.8	64.3-131		%Rec	1	11/29/2016 11:28:07 PM
Surr: 1-Bromo-4-fluorobenzene	96.4	63.1-141		%Rec	1	11/29/2016 11:28:07 PM

NOTES:

Sample Moisture (Percent Moisture)

Percent Moisture 7.01 0.500 wt% 1 11/29/2016 12:18:48 PM

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).



Work Order: **1611226**Date Reported: **11/30/2016**

Client: G-Logics Collection Date: 11/21/2016 11:55:00 AM

Project: Thinker Toys

Lab ID: 1611226-021 **Matrix:** Soil

Client Sample ID: GL-3-36

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ID:	15517 Analyst: NG
Vinyl chloride	ND	0.00201		mg/Kg-dry	1	11/22/2016 10:26:23 PM
1,1-Dichloroethene	ND	0.0502		mg/Kg-dry	1	11/22/2016 10:26:23 PM
trans-1,2-Dichloroethene	ND	0.0201		mg/Kg-dry	1	11/22/2016 10:26:23 PM
cis-1,2-Dichloroethene	ND	0.0201		mg/Kg-dry	1	11/22/2016 10:26:23 PM
Trichloroethene (TCE)	ND	0.0201		mg/Kg-dry	1	11/22/2016 10:26:23 PM
Tetrachloroethene (PCE)	ND	0.0201		mg/Kg-dry	1	11/22/2016 10:26:23 PM
Surr: Dibromofluoromethane	99.4	56.5-129		%Rec	1	11/22/2016 10:26:23 PM
Surr: Toluene-d8	99.2	64.3-131		%Rec	1	11/22/2016 10:26:23 PM
Surr: 1-Bromo-4-fluorobenzene	96.2	63.1-141		%Rec	1	11/22/2016 10:26:23 PM
Sample Moisture (Percent Moist	ture)			Batch	ID:	R33050 Analyst: BB
Percent Moisture	13.2	0.500		wt%	1	11/22/2016 12:30:59 PM



Work Order: **1611226**Date Reported: **11/30/2016**

Client: G-Logics Collection Date: 11/21/2016 1:20:00 PM

Project: Thinker Toys

Lab ID: 1611226-023 **Matrix:** Soil

Client Sample ID: GL-4-5

Analyses	Result	RL	Qual	Units	DF	Da	te Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ı ID:	15517	Analyst: NG
Vinyl chloride	ND	0.00223		mg/Kg-dry	1	11/22	2/2016 10:55:25 PM
1,1-Dichloroethene	ND	0.0558		mg/Kg-dry	1	11/22	2/2016 10:55:25 PM
trans-1,2-Dichloroethene	ND	0.0223		mg/Kg-dry	1	11/22	2/2016 10:55:25 PM
cis-1,2-Dichloroethene	ND	0.0223		mg/Kg-dry	1	11/22	2/2016 10:55:25 PM
Trichloroethene (TCE)	ND	0.0223		mg/Kg-dry	1	11/22	2/2016 10:55:25 PM
Tetrachloroethene (PCE)	ND	0.0223		mg/Kg-dry	1	11/22	2/2016 10:55:25 PM
Surr: Dibromofluoromethane	96.8	56.5-129		%Rec	1	11/22	2/2016 10:55:25 PM
Surr: Toluene-d8	98.7	64.3-131		%Rec	1	11/22	2/2016 10:55:25 PM
Surr: 1-Bromo-4-fluorobenzene	97.3	63.1-141		%Rec	1	11/22	2/2016 10:55:25 PM
Sample Moisture (Percent Moist	ture)			Batch	ID: I	R33050	Analyst: BB
Percent Moisture	11.2	0.500		wt%	1	11/2	2/2016 12:30:59 PM



Work Order: **1611226**Date Reported: **11/30/2016**

Client: G-Logics Collection Date: 11/21/2016 1:30:00 PM

Project: Thinker Toys

Lab ID: 1611226-024 **Matrix:** Soil

Client Sample ID: GL-4-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ID:	15517 Analyst: NG
Vinyl chloride	ND	0.00194		mg/Kg-dry	1	11/22/2016 11:24:28 PM
1,1-Dichloroethene	ND	0.0484		mg/Kg-dry	1	11/22/2016 11:24:28 PM
trans-1,2-Dichloroethene	ND	0.0194		mg/Kg-dry	1	11/22/2016 11:24:28 PM
cis-1,2-Dichloroethene	ND	0.0194		mg/Kg-dry	1	11/22/2016 11:24:28 PM
Trichloroethene (TCE)	ND	0.0194		mg/Kg-dry	1	11/22/2016 11:24:28 PM
Tetrachloroethene (PCE)	0.0500	0.0194		mg/Kg-dry	1	11/22/2016 11:24:28 PM
Surr: Dibromofluoromethane	95.3	56.5-129		%Rec	1	11/22/2016 11:24:28 PM
Surr: Toluene-d8	99.4	64.3-131		%Rec	1	11/22/2016 11:24:28 PM
Surr: 1-Bromo-4-fluorobenzene	97.5	63.1-141		%Rec	1	11/22/2016 11:24:28 PM
Sample Moisture (Percent Moist	ture)			Batch	ID:	R33050 Analyst: BB
Percent Moisture	9.91	0.500		wt%	1	11/22/2016 12:30:59 PM



Work Order: **1611226**Date Reported: **11/30/2016**

Analyst: CG

Batch ID: R33098

Client: G-Logics Collection Date: 11/21/2016 1:35:00 PM

Project: Thinker Toys

Lab ID: 1611226-025 **Matrix:** Soil

Client Sample ID: GL-4-11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ı ID: 15	534 Analyst: NG
Vinyl chloride	ND	0.00199	Q	mg/Kg-dry	1	11/29/2016 10:47:59 AM
1,1-Dichloroethene	ND	0.0498		mg/Kg-dry	1	11/29/2016 10:47:59 AM
trans-1,2-Dichloroethene	ND	0.0199		mg/Kg-dry	1	11/29/2016 10:47:59 AM
cis-1,2-Dichloroethene	ND	0.0199		mg/Kg-dry	1	11/29/2016 10:47:59 AM
Trichloroethene (TCE)	ND	0.0199		mg/Kg-dry	1	11/29/2016 10:47:59 AM
Tetrachloroethene (PCE)	0.0990	0.0199		mg/Kg-dry	1	11/29/2016 10:47:59 AM
Surr: Dibromofluoromethane	96.3	56.5-129		%Rec	1	11/29/2016 10:47:59 AM
Surr: Toluene-d8	100	64.3-131		%Rec	1	11/29/2016 10:47:59 AM
Surr: 1-Bromo-4-fluorobenzene	97.3	63.1-141		%Rec	1	11/29/2016 10:47:59 AM

NOTES:

Sample Moisture (Percent Moisture)

Percent Moisture 8.45 0.500 wt% 1 11/28/2016 9:08:22 AM

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).



Batch ID: R33125

Work Order: **1611226**Date Reported: **11/30/2016**

Analyst: BB

Client: G-Logics Collection Date: 11/21/2016 1:55:00 PM

Project: Thinker Toys

Lab ID: 1611226-026 **Matrix:** Soil

Client Sample ID: GL-4-35

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	n ID: 15	550 Analyst: NG
Vinyl chloride	ND	0.00207	Q	mg/Kg-dry	1	11/29/2016 11:57:21 PM
1,1-Dichloroethene	ND	0.0518		mg/Kg-dry	1	11/29/2016 11:57:21 PM
trans-1,2-Dichloroethene	ND	0.0207		mg/Kg-dry	1	11/29/2016 11:57:21 PM
cis-1,2-Dichloroethene	ND	0.0207		mg/Kg-dry	1	11/29/2016 11:57:21 PM
Trichloroethene (TCE)	ND	0.0207		mg/Kg-dry	1	11/29/2016 11:57:21 PM
Tetrachloroethene (PCE)	ND	0.0207		mg/Kg-dry	1	11/29/2016 11:57:21 PM
Surr: Dibromofluoromethane	96.4	56.5-129		%Rec	1	11/29/2016 11:57:21 PM
Surr: Toluene-d8	98.4	64.3-131		%Rec	1	11/29/2016 11:57:21 PM
Surr: 1-Bromo-4-fluorobenzene	97.5	63.1-141		%Rec	1	11/29/2016 11:57:21 PM

NOTES:

Sample Moisture (Percent Moisture)

Percent Moisture 7.68 0.500 wt% 1 11/29/2016 12:18:48 PM

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).



Work Order: **1611226**Date Reported: **11/30/2016**

Client: G-Logics Collection Date: 11/21/2016 2:15:00 PM

Project: Thinker Toys

Lab ID: 1611226-028 **Matrix:** Soil

Client Sample ID: GL-4-46

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ID:	15517 Analyst: NG
Vinyl chloride	ND	0.00201		mg/Kg-dry	1	11/22/2016 11:53:33 PM
1,1-Dichloroethene	ND	0.0503		mg/Kg-dry	1	11/22/2016 11:53:33 PM
trans-1,2-Dichloroethene	ND	0.0201		mg/Kg-dry	1	11/22/2016 11:53:33 PM
cis-1,2-Dichloroethene	ND	0.0201		mg/Kg-dry	1	11/22/2016 11:53:33 PM
Trichloroethene (TCE)	ND	0.0201		mg/Kg-dry	1	11/22/2016 11:53:33 PM
Tetrachloroethene (PCE)	ND	0.0201		mg/Kg-dry	1	11/22/2016 11:53:33 PM
Surr: Dibromofluoromethane	96.0	56.5-129		%Rec	1	11/22/2016 11:53:33 PM
Surr: Toluene-d8	99.9	64.3-131		%Rec	1	11/22/2016 11:53:33 PM
Surr: 1-Bromo-4-fluorobenzene	96.3	63.1-141		%Rec	1	11/22/2016 11:53:33 PM
Sample Moisture (Percent Moist	ture)			Batch	ID:	R33050 Analyst: BB
Percent Moisture	7.88	0.500		wt%	1	11/22/2016 12:30:59 PM



Thinker Toys

Work Order: 1611226

QC SUMMARY REPORT

CLIENT: G-Logics

Project:

Sample Moisture (Percent Moisture)

Sample ID 1611270-001ADUP SampType: DUP Units: wt% Prep Date: 11/29/2016 RunNo: 33125

Client ID: **BATCH** Batch ID: **R33125** Analysis Date: **11/29/2016** SeqNo: **627743**

Analyte Result RL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Percent Moisture 29.0 0.500 30.20 4.17 20

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Thinker Toys

Work Order: 1611226

QC SUMMARY REPORT

CLIENT: G-Logics

Project:

Sample Moisture (Percent Moisture)

Sample ID 1611227-014ADUP SampType: DUP Units: wt% Prep Date: 11/28/2016 RunNo: 33098

Client ID: **BATCH** Batch ID: **R33098** Analysis Date: **11/28/2016** SeqNo: **627253**

Analyte Result RL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Percent Moisture 22.6 0.500 21.96 2.77 20

Sample ID 1611253-010ADUP SampType: **DUP** Units: wt% Prep Date: 11/28/2016 RunNo: 33098 Client ID: BATCH Batch ID: R33098 Analysis Date: 11/28/2016 SeqNo: 627270 Analyte Result RL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Percent Moisture 15.3 0.500 15.56 1.55 20

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Thinker Toys

Work Order: 1611226

QC SUMMARY REPORT

CLIENT: G-Logics

Project:

Sample Moisture (Percent Moisture)

Sample ID 1611226-028ADUP SampType: DUP Units: wt% Prep Date: 11/22/2016 RunNo: 33050

Client ID: **GL-4-46** Batch ID: **R33050** Analysis Date: **11/22/2016** SeqNo: **626293**

Analyte Result RL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Percent Moisture 7.68 0.500 7.877 2.47 20

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Thinker Toys

Work Order: 1611226

QC SUMMARY REPORT

CLIENT: G-Logics

Volatile Organic Compounds by EPA Method 8260C

Sample ID LCS-15550	SampType: LCS			Units: mg/Kg	l	Prep Da	te: 11/29/ 2	2016 RunNo: 33153			
Client ID: LCSS	Batch ID: 15550				Analysis Date: 11/29/2016			SeqNo: 628			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.946	0.00200	1.000	0	94.6	44	142				Q
1,1-Dichloroethene	1.00	0.0500	1.000	0	100	49.7	142				
trans-1,2-Dichloroethene	0.987	0.0200	1.000	0	98.7	68	130				
cis-1,2-Dichloroethene	0.994	0.0200	1.000	0	99.4	71.3	135				
Trichloroethene (TCE)	0.972	0.0200	1.000	0	97.2	65.5	137				
Tetrachloroethene (PCE)	1.03	0.0200	1.000	0	103	52.7	150				
Surr: Dibromofluoromethane	1.24		1.250		99.4	56.5	129				
Surr: Toluene-d8	1.24		1.250		99.5	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		101	63.1	141				
NOTES:											

Project:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID MB-15550	SampType: MBLK			Units: mg/Kg		Prep Dat	te: 11/29/2	016	RunNo: 331	153	
Client ID: MBLKS	Batch ID: 15550					Analysis Da	te: 11/29/2	016	SeqNo: 628	3252	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.00200									Q
1,1-Dichloroethene	ND	0.0500									
trans-1,2-Dichloroethene	ND	0.0200									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0200									
Surr: Dibromofluoromethane	1.28		1.250		103	56.5	129				
Surr: Toluene-d8	1.22		1.250		97.7	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.20		1.250		95.6	63.1	141				
NOTES:											

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Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).



Thinker Toys

Work Order: 1611226

QC SUMMARY REPORT

CLIENT: G-Logics

Volatile Organic Compounds by EPA Method 8260C

Sample ID 1611226-026BMS	SampType: MS			Units: mg/	Kg-dry	Prep Da	te: 11/29/2	2016	RunNo: 33	153	
Client ID: GL-4-35	Batch ID: 15550					SeqNo: 628	3237				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.03	0.00207	1.037	0	99.3	51.2	146				Q
1,1-Dichloroethene	0.927	0.0518	1.037	0	89.4	61.9	141				
trans-1,2-Dichloroethene	0.988	0.0207	1.037	0	95.4	52	136				
cis-1,2-Dichloroethene	1.02	0.0207	1.037	0	98.8	58.6	136				
Trichloroethene (TCE)	0.958	0.0207	1.037	0	92.4	68.6	132				
Tetrachloroethene (PCE)	0.991	0.0207	1.037	0	95.6	35.6	158				
Surr: Dibromofluoromethane	1.24		1.296		95.8	56.5	129				
Surr: Toluene-d8	1.31		1.296		101	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.35		1.296		104	63.1	141				

NOTES:

Project:

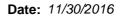
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID 1611226-026BMSD	SampType: MSD	Units: mg/Kg-dry				Prep Da	te: 11/29/2	2016	RunNo: 33153		
Client ID: GL-4-35	Batch ID: 15550		Analysis Date: 11/30/2016 SeqNo: 62823							8238	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.05	0.00207	1.037	0	101	51.2	146	1.029	1.77	30	Q
1,1-Dichloroethene	0.998	0.0518	1.037	0	96.3	61.9	141	0.9272	7.34	30	
trans-1,2-Dichloroethene	0.991	0.0207	1.037	0	95.6	52	136	0.9884	0.296	30	
cis-1,2-Dichloroethene	1.01	0.0207	1.037	0	97.4	58.6	136	1.024	1.46	30	
Trichloroethene (TCE)	0.961	0.0207	1.037	0	92.7	68.6	132	0.9577	0.356	30	
Tetrachloroethene (PCE)	1.01	0.0207	1.037	0	97.3	35.6	158	0.9906	1.83	30	
Surr: Dibromofluoromethane	1.23		1.296		95.1	56.5	129		0		
Surr: Toluene-d8	1.32		1.296		102	64.3	131		0		
Surr: 1-Bromo-4-fluorobenzene	1.36		1.296		105	63.1	141		0		
NOTES.											

NOTES:

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Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).





Work Order: 1611226

QC SUMMARY REPORT

CLIENT: G-Logics Project: Thinker Toys

Volatile Organic Compounds by EPA Method 8260C

Sample ID 1611253-002BDUP	SampType: DUP			Units: mg/l	Kg-dry	Prep Date: 11/29/2016			RunNo: 331		
Client ID: BATCH	Batch ID: 15550					Analysis Dat	te: 11/30/2	2016	SeqNo: 628	3242	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.00186						0		30	
1,1-Dichloroethene	ND	0.0466						0		30	
trans-1,2-Dichloroethene	ND	0.0186						0		30	
cis-1,2-Dichloroethene	ND	0.0186						0		30	
Trichloroethene (TCE)	ND	0.0186						0		30	
Tetrachloroethene (PCE)	ND	0.0186						0		30	
Surr: Dibromofluoromethane	1.13		1.164		96.8	56.5	129		0		
Surr: Toluene-d8	1.34		1.164		115	64.3	131		0		
Surr: 1-Bromo-4-fluorobenzene	1.34		1.164		115	63.1	141		0		

Sample ID 1611253-006BDUP	SampType: DUP			Units: mg/	Kg-dry	Prep Dat	e: 11/29/ 2	2016	RunNo: 331	53	
Client ID: BATCH	Batch ID: 15550					Analysis Dat	e: 11/30/2	2016	SeqNo: 628	3246	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.00212			•	•		0		30	•
1,1-Dichloroethene	ND	0.0529						0		30	
trans-1,2-Dichloroethene	ND	0.0212						0		30	
cis-1,2-Dichloroethene	ND	0.0212						0		30	
Trichloroethene (TCE)	ND	0.0212						0		30	
Tetrachloroethene (PCE)	ND	0.0212						0		30	
Surr: Dibromofluoromethane	1.27		1.323		96.1	56.5	129		0		
Surr: Toluene-d8	1.34		1.323		101	64.3	131		0		
Surr: 1-Bromo-4-fluorobenzene	1.33		1.323		101	63.1	141		0		

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Thinker Toys

Work Order: 1611226

QC SUMMARY REPORT

CLIENT: G-Logics

Volatile Organic Compounds by EPA Method 8260C

Sample ID 1611227-015BDUP	SampType: DUP			Units: mg/	Prep Da	te: 11/28/ 2	2016	RunNo: 33			
Client ID: BATCH	Batch ID: 15534					Analysis Da	te: 11/29/2	2016	SeqNo: 62	7802	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.00245						0		30	Q
1,1-Dichloroethene	ND	0.0611						0		30	
trans-1,2-Dichloroethene	ND	0.0245						0		30	
cis-1,2-Dichloroethene	ND	0.0245						0		30	
Trichloroethene (TCE)	ND	0.0245						0		30	
Tetrachloroethene (PCE)	ND	0.0245						0		30	
Surr: Dibromofluoromethane	1.47		1.528		96.0	56.5	129		0		
Surr: Toluene-d8	1.53		1.528		100	64.3	131		0		
Surr: 1-Bromo-4-fluorobenzene	1.53		1.528		99.8	63.1	141		0		
NOTES.											

NOTES:

Project:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID 1611227-006BMS	SampType: MS	Units: mg/Kg-dry F			Prep Da	te: 11/28/2	2016	RunNo: 33131			
Client ID: BATCH	Batch ID: 15534					Analysis Da	te: 11/29/2	2016	SeqNo: 62	7794	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.907	0.00215	1.077	0	84.2	51.2	146				Q
1,1-Dichloroethene	0.883	0.0538	1.077	0	82.0	61.9	141				
trans-1,2-Dichloroethene	0.979	0.0215	1.077	0	90.9	52	136				
cis-1,2-Dichloroethene	1.06	0.0215	1.077	0	98.6	58.6	136				
Trichloroethene (TCE)	1.02	0.0215	1.077	0	94.9	68.6	132				
Tetrachloroethene (PCE)	1.10	0.0215	1.077	0	102	35.6	158				
Surr: Dibromofluoromethane	1.24		1.346		92.2	56.5	129				
Surr: Toluene-d8	1.38		1.346		102	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.38		1.346		103	63.1	141				
NOTES:											

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Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).



Work Order: 1611226

QC SUMMARY REPORT

CLIENT: G-Logics Project: Thinker Toys

Volatile Organic Compounds by EPA Method 8260C

Sample ID 1611227-006BMSD	SampType: MSD			Units: mg/h	(g-dry	Prep Da	te: 11/28/2	2016	RunNo: 33131		
Client ID: BATCH	Batch ID: 15534					Analysis Da	te: 11/29/ 2	2016	SeqNo: 62	7795	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.903	0.00215	1.077	0	83.9	51.2	146	0.9068	0.455	30	Q
1,1-Dichloroethene	0.917	0.0538	1.077	0	85.1	61.9	141	0.8825	3.79	30	
trans-1,2-Dichloroethene	0.994	0.0215	1.077	0	92.3	52	136	0.9785	1.52	30	
cis-1,2-Dichloroethene	1.05	0.0215	1.077	0	97.6	58.6	136	1.061	0.972	30	
Trichloroethene (TCE)	1.02	0.0215	1.077	0	94.9	68.6	132	1.022	0.000843	30	
Tetrachloroethene (PCE)	1.11	0.0215	1.077	0	103	35.6	158	1.096	1.25	30	
Surr: Dibromofluoromethane	1.25		1.346		92.6	56.5	129		0		
Surr: Toluene-d8	1.38		1.346		102	64.3	131		0		
Surr: 1-Bromo-4-fluorobenzene	1.37		1.346		102	63.1	141		0		
							• • •		•		

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID MB-15534	SampType: MBLK	•	Units: mg/Kg		Prep Da	te: 11/28/ 2	2016	RunNo: 33	131	
Client ID: MBLKS	Batch ID: 15534				Analysis Da	te: 11/29/ 2	2016	SeqNo: 62	7807	
Analyte	Result	RL	SPK value SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.00200								Q
1,1-Dichloroethene	ND	0.0500								
trans-1,2-Dichloroethene	ND	0.0200								
cis-1,2-Dichloroethene	ND	0.0200								
Trichloroethene (TCE)	ND	0.0200								
Tetrachloroethene (PCE)	ND	0.0200								
Surr: Dibromofluoromethane	1.26		1.250	101	56.5	129				
Surr: Toluene-d8	1.25		1.250	99.9	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.21		1.250	96.9	63.1	141				
NOTES:										

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Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).



Thinker Toys

Work Order: 1611226

QC SUMMARY REPORT

CLIENT: G-Logics

Volatile Organic Compounds by EPA Method 8260C

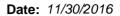
Sample ID LCS-15534 Client ID: LCSS	SampType: LCS Batch ID: 15534			Units: mg/Kg Prep Date: 11/28/2016 Analysis Date: 11/29/2016						RunNo: 33131 SegNo: 627858				
						,			•					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual			
Vinyl chloride	0.989	0.00200	1.000	0	98.9	44	142				Q			
1,1-Dichloroethene	0.987	0.0500	1.000	0	98.7	49.7	142							
trans-1,2-Dichloroethene	0.983	0.0200	1.000	0	98.3	68	130							
cis-1,2-Dichloroethene	1.01	0.0200	1.000	0	101	71.3	135							
Trichloroethene (TCE)	0.979	0.0200	1.000	0	97.9	65.5	137							
Tetrachloroethene (PCE)	1.02	0.0200	1.000	0	102	52.7	150							
Surr: Dibromofluoromethane	1.22		1.250		97.8	56.5	129							
Surr: Toluene-d8	1.27		1.250		101	64.3	131							
Surr: 1-Bromo-4-fluorobenzene	1.27		1.250		101	63.1	141							
NOTES:														

NOTES:

Project:

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Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).





Work Order: 1611226

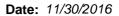
QC SUMMARY REPORT

CLIENT: G-Logics

Volatile Organic Compounds by EPA Method 8260C

Sample ID LCS-15517	SampType: LCS			Units: mg/Kg		Prep Date	: 11/22/2016	RunNo: 33 (072	
Client ID: LCSS	Batch ID: 15517					Analysis Date	: 11/22/2016	SeqNo: 626	6774	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit I	HighLimit RPD Ref Val	%RPD	RPDLimit	Qua
Vinyl chloride	1.07	0.00200	1.000	0	107	44	142			
1,1-Dichloroethene	1.01	0.0500	1.000	0	101	49.7	142			
trans-1,2-Dichloroethene	1.04	0.0200	1.000	0	104	68	130			
cis-1,2-Dichloroethene	1.04	0.0200	1.000	0	104	71.3	135			
Trichloroethene (TCE)	1.01	0.0200	1.000	0	101	65.5	137			
Tetrachloroethene (PCE)	1.06	0.0200	1.000	0	106	52.7	150			
Surr: Dibromofluoromethane	1.18		1.250		94.6	56.5	129			
Surr: Toluene-d8	1.24		1.250		99.5	64.3	131			
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		103	63.1	141			
Sample ID MB-15517	SampType: MBLK			Units: mg/Kg		Prep Date	: 11/22/2016	RunNo: 330	072	
Client ID: MBLKS	Batch ID: 15517					Analysis Date	11/22/2016	SeqNo: 626	6775	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit I	HighLimit RPD Ref Val	%RPD	RPDLimit	Qua
Vinyl chloride	ND	0.00200								
1,1-Dichloroethene	ND	0.0500								
trans-1,2-Dichloroethene	ND	0.0200								
cis-1,2-Dichloroethene	ND	0.0200								
Trichloroethene (TCE)	ND	0.0200								
Tetrachloroethene (PCE)	ND	0.0200								
Surr: Dibromofluoromethane	1.29		1.250		103	56.5	129			
Surr: Toluene-d8	1.21		1.250		96.8	64.3	131			
Surr: 1-Bromo-4-fluorobenzene	1.19		1.250		94.8	63.1	141			
	SampType: DUP			Units: mg/Kg-	dry	Prep Date	: 11/22/2016	RunNo: 330	072	
Sample ID 1611226-023BDUP						Analysis Date	. 11/22/2016	SegNo: 626	2750	
	Batch ID: 15517					Allalysis Date	. 11/23/2016	364110. 02 0	0/59	
Client ID: GL-4-5	Batch ID: 15517 Result	RL	SPK value	SPK Ref Val	%REC	-	HighLimit RPD Ref Val	•	RPDLimit	Qua
Sample ID 1611226-023BDUP Client ID: GL-4-5 Analyte Vinyl chloride		RL 0.00223	SPK value	SPK Ref Val		-		%RPD		Qua

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Work Order: 1611226

QC SUMMARY REPORT

CLIENT: G-Logics

Volatile Organic Compounds by EPA Method 8260C

Project:	Thinker Toys							Volatile	Organio	c Compoun	ids by EPA	A Method	1 8260
Sample ID 161	1226-023BDUP	SampType:	DUP			Units: mg	/Kg-dry	Prep Da	te: 11/22/2	2016	RunNo: 330)72	
Client ID: GL-	4-5	Batch ID:	15517					Analysis Da	te: 11/23/2	2016	SeqNo: 626	6759	
Analyte		R	lesult	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichlo	roethene		ND	0.0223						0		30	
cis-1,2-Dichloroe	ethene		ND	0.0223						0		30	
Trichloroethene	(TCE)		ND	0.0223						0		30	
Tetrachloroether	ne (PCE)		ND	0.0223						0		30	
Surr: Dibromo	fluoromethane		1.36		1.395		97.4	56.5	129		0		
Surr: Toluene	-d8		1.40		1.395		100	64.3	131		0		
Surr: 1-Bromo	o-4-fluorobenzene		1.36		1.395		97.3	63.1	141		0		
Sample ID 161	1226-007BMS	SampType:	MS			Units: m ç	/Kg-dry	Prep Da	te: 11/22/2	2016	RunNo: 330)72	
Client ID: GL-	1-35	Batch ID:	15517					Analysis Da	te: 11/23/2	2016	SeqNo: 626	6752	
Analyte		R	lesult	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride			1.25	0.00221	1.105	0	113	51.2	146				
1,1-Dichloroethe	ne		1.15	0.0552	1.105	0	104	61.9	141				
trans-1,2-Dichlo	roethene		1.16	0.0221	1.105	0	105	52	136				
cis-1,2-Dichloroe	ethene		1.16	0.0221	1.105	0	105	58.6	136				
Trichloroethene	(TCE)		1.11	0.0221	1.105	0	100	68.6	132				
Tetrachloroether	ne (PCE)		1.20	0.0221	1.105	0	108	35.6	158				
Surr: Dibromo	fluoromethane		1.32		1.381		95.7	56.5	129				
Surr: Toluene	-d8		1.41		1.381		102	64.3	131				
Surr: 1-Bromo	o-4-fluorobenzene		1.39		1.381		101	63.1	141				
Sample ID 161	1226-007BMSD	SampType:	MSD			Units: mg	/Kg-dry	Prep Da	te: 11/22/2	2016	RunNo: 330)72	
Client ID: GL-	1-35	Batch ID:	15517					Analysis Da	te: 11/23/2	2016	SeqNo: 626	6753	
Analyte		R	lesult	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride			1.30	0.00221	1.105	0	117	51.2	146	1.248	3.82	30	
1,1-Dichloroethe	ne		1.14	0.0552	1.105	0	103	61.9	141	1.148	0.885	30	
trana 1 2 Diables	roethene		1.18	0.0221	1.105	0	107	52	136	1.157	2.17	30	
trans-1,2-Dichloı	Octilenc												

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Work Order: 1611226

QC SUMMARY REPORT

CLIENT: G-Logics Thinker Toys

Project:

Volatile Organic Compounds by EPA Method 8260C

Sample ID 1611226-007BMSD	SampType: MSD			Units: mg/k	Prep Da	te: 11/22/2	2016	RunNo: 33072				
Client ID: GL-1-35	Batch ID: 15517	Analysis Date: 11/23/2016 Se								SeqNo: 626753		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Trichloroethene (TCE)	1.14	0.0221	1.105	0	103	68.6	132	1.109	2.37	30		
Tetrachloroethene (PCE)	1.21	0.0221	1.105	0	110	35.6	158	1.197	1.46	30		
Surr: Dibromofluoromethane	1.32		1.381		95.9	56.5	129		0			
Surr: Toluene-d8	1.41		1.381		102	64.3	131		0			
Surr: 1-Bromo-4-fluorobenzene	1.41		1.381		102	63.1	141		0			

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Sample Log-In Check List

С	lient Name:	GL		Work Orde	er Number: 161122	6	
Lo	ogged by:	Erica Silv	a	Date Rece	ived: 11/22/2	016 9:54:00 AM	
<u>Cha</u>	in of Custo	ody					
1.	Is Chain of C	ustody com	plete?	Yes 🔻	No 🗆	Not Present	
2.	How was the	sample del	ivered?	Courier			
Log	<u>ı In</u>						
3.	Coolers are p	oresent?		Yes 🛂	No 🗆	NA 🗆	
4.	Shipping con	tainer/coole	er in good condition?	Yes 🛂	No 🗆		
5.			n shipping container/cooler? Custody Seals not intact)	Yes 🛂	No 🗆	Not Required	
6.	Was an atten	mpt made to	cool the samples?	Yes 💆	No 🗆	NA 🗌	
7.	Were all item	s received	at a temperature of >0°C to 10.0°C*	Yes 🖢	No 🗆	NA 🗆	
8.	Sample(s) in	proper con	tainer(s)?	Yes 💌	No 🗆		
9.	Sufficient sar	mple volume	e for indicated test(s)?	Yes 💌	✓ No □		
10.	Are samples	properly pro	eserved?	Yes 💌	✓ No □		
11.	Was preserva	ative added	to bottles?	Yes [No ✓	NA \square	
12.	Is there head	Ispace in the	e VOA vials?	Yes [□ No □	NA 🗸	
13.	Did all sampl	es containe	ers arrive in good condition(unbroken)?	Yes 🔻	No 🗆		
14.	Does paperw	ork match l	pottle labels?	Yes 💌	No 🗆		
15.	Are matrices	correctly id	entified on Chain of Custody?	Yes 💌	No 🗆		
16.	Is it clear wha	at analyses	were requested?	Yes ▼	✓ No □		
17.	Were all hold	ling times a	ble to be met?	Yes 🔻	No 🗆		
<u>Spe</u>	cial Handl	ing (if ap	plicable)				
18.	Was client no	otified of all	discrepancies with this order?	Yes 🕨	No 🗆	NA \square	
	Person	Notified:	Jon Stordahl Dat	е	11/22/2016		
	By Who	m:	Erica Silva Via:	✓ eMail	✔ Phone ☐ Fax	☐ In Person	
	Regardi	ing:	Confirming sampling date as 11/21/16	3			
	Client In	nstructions:	All samples collected 11/21/16				
19.	Additional rer	marks:					<u> </u>

Item Information

Item #	Temp °C
Cooler	3.8
Sample	3.2

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fren		Ch	ain o	f Cu					Laboratory Project No (internal): 1611226 7				
3600 Fremont Ave N. Seattle, WA 98103 Client: Address: City, State, Zip: Telephone:	-	Project I Project I Location Report T PM Emai	No: : : :o (PM):	1+	NK 739	-G	0	Specification of the second of					
*Matrix Codes: A = Air, AQ = Aqueous,	, B = Bulk, O = Ot	ther, P = Prod	duct, S = S	oil, SD =	Sediment,	SL = Solid	, W = Wat	er, DW =	Drinking Wat	er, GW=	Ground Wat	ter, SW = S	storm Water, WW = Waste Water
Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	100	18 36 66 36 66 66								Comments
GL-1-5	10/21	0745	2		\perp	+	-	1	\perp	\perp		11	
GL-1-10		0800		X	1	-				101			PLZ + DAUGHTER PROP.
GL-1-15		0810	-	+	\perp	-			\perp	Ш		\perp	
GL-1-20		2180		4 :	11								
GL-1-25		0810		\perp	\perp								
GL-1-30	1 12	0825				on in	-	1		1		1	V.
61-1-35		0830	-	X			-	-			100	e kus	PLZ + DAVIGHTER PROD.
GL-1-40		0840											7,000.
GL-2-6		0930				1				1		25- 1	
· GL-2-11		0940	11				-1	O I	-				
*Metals Analysis (Circle): MTCA-5	RCRA-8	Priority Polluta	ants T	AL Ir	ndividual: A	g Al As	B Ba Be	Ca Cd	Co Cr Cu I	e Hg K	Mg Mn M	o Na Ni	Pb Sb Se Sr Sn Ti Tl U V Zn
**Anions (Circle): Nitrate Nit ample Disposal: Return to I represent that I am authorized to	o circii	Disposal by Lassessed if sa	ab (Sample amples are	mide s will be l retained	O-Phosph held for 30 day	ate lays unles s.)	Fluoride s otherwise	Nitra noted. A	te+Nitrite fee may be	Turn-aro received on the fo	und times fo after 4:00pn llowing busi	r samples n will begin ness day.	Special Remarks: HOLD ALL OTHER SAMPLES
greement to each of the terms on the elinquished	Date/Time	kside of this	Agreem	ent.	eceived		in Cht	. namet	Date/Time	b	095	4	
emiquistieu	Daté/Time			Re x	eceived				Date/Time				TAT → SameDay [^] NextDay [^] Day 3 Day STD ^Please coordinate with the lab in advance

A	nalytica	t				CII	aiii U	r Cu	Date:	rec 11/h	ora	and L	aboratory Services Agreemen	ıt
	Tel: 206-352-37 Fax: 206-352-7						Project	Name			t		Laboratory Project No (internal): 14112267 Page: 2 of: 3	
Client: 67-L	-06/10	S				-	Project I	No:	073				Collected by:	
City, State, Zip: Telephone:		Fave				-			Jan	ST	TRA	HL		
*Matrix Codes: A = Air, AQ = Aqueous,	B = Bulk, O = Ot					_	PM Ema		Drinking Wa	iter. GW =	Ground W	ater. SW = S	Storm Water WW = Waste Water	
Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	181	\$6 80 80 80 80 80 80 80 80 80 80 80 80 80	a de la constante de la consta				3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	\$ 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		Comments	
1 GL-2-16	10/21	0945	5	X									PCE + DAVEHTER PROD.	
51L-2-20	1	0950	1		e bei		laur John				-		DIVINATION .	
5 GIL-2-25		1000									1			_
GL-2-30		1010						100						
GL-2-35		1015						\Box		\top				-
GL-2-40	- John Co	1020		X	\top							3 00 0	PUZ + DAVBIHTZE PROD.	
61-3-6		1110		100									PUZ + DAVENHTZE PROD.	
GL-3-11		1115		Х	\top	\top		\Box		+		+	PCZ + DAVGHTER PROD	,
GL-3-25		1130									11		TO THE TREE	-
· GL-3-30		1140	V	-			0 1	83 m/ 34			1 100		.)	
*Metals Analysis (Circle): MTCA-5	RCRA-8	Priority Polluta	ants TA	L Inc	lividual: A	g Al As	B Ba Be	Ca Cd	Co Cr Cu	Fe Hg K	Mg Mn I	Mo Na Ni	Pb Sb Se Sr Sn Ti Tl U V Zn	-
**Anions (Circle): Nitrate Nitrate Sample Disposal:	o Client	Disposal by La	ab (Samples imples are r	nide will be he etained af	O-Phosphi eld for 30 d	ate ays unles	Fluoride ss otherwise	Nitrat noted. A	e+Nitrite fee may be	Turn-aro received on the fo	und times after 4:00p ollowing bu	for samples om will begin siness day.	Special Remarks: HOLD ALL OTHER	
I represent that I am authorized to greement to each of the terms on the linguished	enter into this A ne front and bac Date/Time	greement w kside of this	Agreeme	nt.	ytical on	behalf o	f the Clier		Date/Time	t I have v	A OC	lient's	SAMPLES	
elinquished	Date/Time	001	3		eived				Date/Time	416	0 4	04	TAT → SameDay^ (NextDay^) 2 Day 3 Day STD	_
				x									^Please coordinate with the lab in advance	

RIN AH/III						CI	nain	of C	usto	dy P	000	rd a	nd I	shoratory Corriges Agreement
Fren A	10N nalytica					Ci	ian	1010						Laboratory Project No (internal): 161226 7
	el: 206-352-37													Page: 3 of: 3
1	ax: 206-352-7						Pro	ject Name	:					Bage ————————————————————————————————————
	-061C	5				_	Pro	ject No:	0	139-	-6		C	ollected by:
Address:						-		ation:						
City, State, Zip: Telephone:		Fax:				-		ort To (PN Email:	1): J	on :	STOP	KOAA	H	
*Matrix Codes: A = Air, AQ = Aqueous,									W = Drinkir	ng Water,	GW = Gr	ound Wat	er, SW = S	torm Water, WW = Waste Water
					/	/	//		State of Sta	100	120	30/	//	
Sample Name	Sample Date	Sample Time	Sample Type	/00	Stell St		RE SE SE			3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	S dist		//	
61-3-36	11/21	1155	(Matrix)*	X		7 67	** 0	77	Ϋ́		7		\mathcal{H}	Comments
61-3-41	1	1205	1											Per + DANGHTER PROD.
GL-4-5		1320		X						11	-	-	-	Drz . A. L. T.
GL-4-8		1330		V										PCZ + DAVGHTER PROD.
61-4-11		1335								++			++	
GL-4-35		1355			+									10
GL-4-40		1400		\vdash	\pm		+		\vdash				++	1.0
		1415		X	+	+	+	\vdash	\vdash				+	917 2011
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ge 100	V	1150	V		+			rh (p. n				ray Va		
*Metals Analysis (Circle): MTCA-5	RCRA-8	Priority Pollut	ants TA	L In	dividual:	Ag Al	As B B	a Be Ca	Cd Co Cr	Cu Fe H	la K Ma	Mn M	o No Ni	Pb Sb Se Sr Sn Ti Tl U V Zn
**Anions (Circle): Nitrate Nitr					O-Phosp				itrate+Nitri	te Tu	rn-around	d times fo	r samples	Special Remarks:
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represent that I am authorized to e	e front and bac	Agreement v	with Fremo	ont Ana nt.	lytical on		f of the	Client na	med above	e, that I h	ave veri	ified Clie	ent's	SAMPLES
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elinquished	Date/Time			Re	eceived				Date/T	ime	V	VIL	1	TAT → SameDay^ NextDay^ 2 Day 3 Day STD
														^Please coordinate with the lab in advance

	nor Individual Tel: 206-352-	OT B				Ci	iaiii () C						Laboratory Services Agree Laboratory Project No (internal): 16/12	
	Fax: 206-352-													rage:or:	
/							Project	Name:	-	HINI	EEK	2 .	10	1/5	
Client: 97~	4061	CS				_	Project	No:	_ 0	73	9-0	7	c	Collected by:	
Address:						_	Locatio								
City, State, Zip:									3 C :	W S	TOP	ROX	HL	-	
Telephone:			-				PM Em		-						
Matrix Codes: A = Air, AQ = Aqueous	s, B = Bulk, O = 1	Other, P = Proc	duct, S = Sc	oil, 5D =	Sediment,	SL = Sol	id, W = Wa	ter, DW	= Drinking	Water, G	W = Grou	nd Water	, 5W = 5	Storm Water, WW = Waste Water	
Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	ER SER							ani)	//	Comments	
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NextDay* 2 Day 3 Day STD

TAT → SameDay[^]

^Please coordinate with the lab in advance

Date/Time

Date/Time

08/5

11/22/16

Relinquished

Relinquished

3600 Fremont Ave N. Tel: Seattle, WA 98103 Fax:	Seattle, WA 98103 Fax: 206-352-7178 Client:									Date:	11/	41/1	6	c	Laboratory Project No (internal): 14/1226 Page: 2 of: 3
Telephone:		Fax:				_	PM	Email:	_						
*Matrix Codes: A = Air, AQ = Aqueous, B	= Bulk, O = O	ther, P = Proc	Juct, S = Se	oil, SD =	Sedimen	t, SL = Se	olid, W=	- Water,	DW = Dr	rinking W	ater, G	W = Grou	nd Water	r, SW = 5	Storm Water, WW = Waste Water
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3 612-2-25		1000													
4 GL-2-30		1010													
5 GL-2-35		1015			\top			$\dagger \dagger$			+	\Box	1		
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16L-3-6		1110	\top	1	+		+	H	+				+		PLZ + DAVBYHTER PROD.
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8 GL-3-11	++	1115	+	6		\vdash	+		-	H	-	H	+		PCZ + DAVGHTER PROD.
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10 GL - 3 - 30	V	1140	V								-				3 1 2
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^Please coordinate with the lab in advance

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	myin												aboratory Project No (internal): 1/01/22/0 3
	Tel: 206-352-3											Pa	oge: of:
0	Fax: 206-352-7						Project Name:						
Client: 0-	LOGIC	2					Project No:	07	39-0	2		Collect	ed by:
Address:							Location:			1			ed by:
City, State, Zip:							Report To (PM	1: TON	v 8	TORC	AHL		
Telephone:		Fax	:				PM Email:						
*Matrix Codes: A = Air, AQ = Aqueous	, B = Bulk, O = O	ther, P = Pro	iduct, S = 5	oil, SD =	Sediment,	SL = Solid	d, W = Water, DV	V = Drinking V	Vater, GW	V = Groun	d Water, SV	V = Storm	Water, WW = Waste Water
Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	/38/									
1616-3-36	11/21	1155	S	X	7 %	1	777	ſΫ́	Y	Ť	11	11	Comments
	11/11		3	14	++	+		++	+			t	The + DANGHTER PROD.
261-3-41		1205	1	\perp									
3 GL-4-5		1320		X								1	PCZ + DAUGHTER PROP.
16L-4-8		1330		X									, , , , , , , , , , , , , , , , , , , ,
5 GL-4-11		1335		(X)								1	11-110-11111-1111
6 GL-4-35		1355									+	I P	dd per J. Stordahl Next day 11/28/11
, GL-4-40		1400		11	++	+		1	+	-	++-	++	
7 92-1-10			\vdash	1. 1	++	+				-			
8 GL-4-76		1415		X								F	PLE + DAVIGHTER PEOD.
, GL-4-50	V	1430	V										
10								-					
**Metals Analysis (Circle): MTCA-5	RCRA-8	Priority Pollut	lants T	AL In	dividual: A	g Al As	B Ba Be Ca C	d Co Cr Cu	Fe Hg	K Mg M	n Mo Na	Ni Ph Sh	Se Sr Sn Ti Tl U V Zn
***Anions (Circle): Nitrate Nit	trite Chloride	Sulfat	e Bron	mide	O-Phosphi		7	rate+Nitrite			nes for sampl		cial Remarks:
Sample Disposal: Return t	o Client	Disposal by I	Lab (Sample	s will be h	neld for 30 d	lays unles	ss otherwise noted				:00pm will be business da	egin +	FOLD ALL OTHER
I represent that I am authorized to	enter into this	assessed if s	with Frem	ont Ana	lytical on I	s.) hehalf o	of the Client nam	ed above ti	1				Samples
agreement to each of the terms on th	he front and bac	kside of thi	is Agreeme	ent.	, JII)		Circui Ban	and moore, ti	nat I nave	e vermee	Chem's		
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	nor					Cilai	11 01 C	Date:	11/2	rd an	Loboratory Services Agreement Loboratory Project No [internal]: 1611226 Page: 1 of: 3
Cantal - 1444 COLOR	Tel: 206-352- Fax: 206-352-										Page:/ of: 3
1		13.5				Pr	oject Name:		INKE		
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Address: City, State, Zip:				-		Lo	cation:				
Telephone:		Eave					port To (PM)	: JOA	STO	ROA	HL
*Matrix Codes: A = Air, AQ = Aqueous	, B = Bulk, O =	Other, P=Pro	duct. S = Sc	nil 50 = 1	Sadiment S	PIV	l Email:				SW = Storm Water, WW = Waste Water
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					10/02	//	of Barrie Rain	20 35 Sty	lag oto me	3//	////
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2GL-1-10		0800	1	X							22 . 5
3 GL-1-15		0810		(X)							PUZ + DAUGHTER PROP.
1GL-1-20		0815								1	(B) Add Analysis 11/29 Next DAY
5GL-1-25		0820									and and
GL-1-30		0825								++	
611-1-35		0830		V						++	+ -
(21-1-40		0840		1	+						PCZ + DAVGHTER PROD.
GL-2-6		0930			++-						
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*Metals Analysis (Circle): MTCA-5	RCRA-8	0940	V	M							(8) Add Analysis 1/29 MANT 18MY
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				×							TAT → SameDay ⁿ NextDay ⁿ 2 Day 3 Day STD ^Please coordinate with the ab in advance
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3600 Fremont Ave N.	Tel: 206-352-3	activities.					Dat	te: 11/	21/16	2	Laboratory Project No (internal): 1611226 Page: 2 of: 3
Seattle, WA 98103	Fax: 206-352-7	7178				2-1-1-5-0					UI.
Client:	206/10	-5				Project Nam	-	1701			
Address:						Location:	07	5 1-0	7	C	iollected by:
City, State, Zip:						Report To (P	M): 1	N ST	TOPP	411	
Telephone:		Fax:				PM Email:		01	0~3	the form	
*Matrix Codes. A = Air, AQ = Aqueou	us, 8 = Bulk, 0 = 0	ther, P = Produ	ict. S = Soil,	SD = Sedin	nent, SL = Si	olid, W = Water,	OW = Drinking	Water, GW	= Ground V	Water SW = S	Storm Water WW - Waste Water
Sample Name	Sample	Sample	Sample Type	Sel se		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
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GL-3-6		1110			++						PLZ + DANGHTZE PROD.
GL-3-11		1115	1			+++				+	
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Metals Analysis (Gircla): MYCA	V	1140	V								Add Analysis 11/29 MOST DAY
*Metals Analysis (Circle): MTCA-5 **Anions (Circle): Nitrate Ni		Priority Pollutant	s TAL	Individu	al: Ag Al	As B Ba Be Ca	Cd Co Cr C				Pb Sb Se Sr Sn Ti Tl U V Zn
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Amons (circle):	Nitrate	Nitrite	Chloride	Sulfate	Bromide	O-Phosphate	Fluoride			Special Remarks		- Instantin	
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represent that I a	m author	ized to enter in us on the front	to this As	greement with	Fremont An	alytical on beha	lf of the Clien	t named above, tha	I have verified Client's	Same	LZS		
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www.fremontanalytical.com

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3600 Fremont Ave N. Seattle, WA 98103	Tel: 206-352-3	3790								Date:	11/	21//	0	Laboratory Project No (internal): 16/1226
Client: G-	LOGIC					_		ect Nam						Collected by:
Address: City, State, Zip:							Loca	ition:						
Telephone:						_	Repo	ort To (P	M):	JON	4 S.	ORO	AHL	
	He H = Bulle D = 1	Fax					PM 8	Email:						
*Matrix Codes: A = Air, AQ = Aqueo	us, a - Buik, U= (Mer, P = Pro	duct, S = S	oil, SD = Si	ediment,	SL = Sol	id, W =	Water, [DW = D	rinking W	ater, GW	= Ground	Water, SW	= Storm Water, WW = Waste Water
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611-3-36	11/21	1155	5	Y	11	1		1	7	7	7	7	1	Comments
GL-3-41		1205	1	1	1			-	+	1	+	-		Ple + DAVGHTER PROD.
GL-4-5		1320	-	V	++	+		-	+	-	+			
GL-4-8				1	-		+-	_	-		-			PCZ + DAVGHTER PROP.
GL-4-11		1330	-	X										
		1335		(X)										Add per J. Stordahl Next day 11/28/1
GL-4-35		1355		X										
GL-4-40		1400												Add Mayors 1/29 - NEXT BAY
61-4-46		1415		X							++			Dis a
GL-4-50	1	1430	1								++	-		PLZ + DAVIGHTER PEOP.
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Metals Analysis (Circle): MTCA-5	RCRA-8	Priority Polluta	ints TA	India	idual: A	AL 4								
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"Please coordinate with the lab in advance



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

G-LogicsJon Stordahl

40 Second Ave. SE Issaquah, WA 98027

RE: Thinker Toys

Work Order Number: 1611231

November 30, 2016

Attention Jon Stordahl:

Fremont Analytical, Inc. received 15 sample(s) on 11/22/2016 for the analyses presented in the following report.

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

This report consists of the following:

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

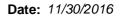
All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

And c. Rady

Sincerely,

Mike Ridgeway Laboratory Director





CLIENT: G-Logics Work Order Sample Summary

Project: Thinker Toys
Work Order: 1611231

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1611231-001	GL-5-5	11/22/2016 7:55 AM	11/22/2016 1:10 PM
1611231-002	GL-5-8	11/22/2016 8:00 AM	11/22/2016 1:10 PM
1611231-003	GL-5-11	11/22/2016 8:05 AM	11/22/2016 1:10 PM
1611231-004	GL-5-40	11/22/2016 8:35 AM	11/22/2016 1:10 PM
1611231-005	GL-5-45	11/22/2016 8:45 AM	11/22/2016 1:10 PM
1611231-006	GL-5-50	11/22/2016 9:00 AM	11/22/2016 1:10 PM
1611231-007	GL-6-3	11/22/2016 9:45 AM	11/22/2016 1:10 PM
1611231-008	GL-6-6	11/22/2016 9:50 AM	11/22/2016 1:10 PM
1611231-009	GL-6-11	11/22/2016 10:00 AM	11/22/2016 1:10 PM
1611231-010	GL-7-3	11/22/2016 10:20 AM	11/22/2016 1:10 PM
1611231-011	GL-7-6	11/22/2016 10:25 AM	11/22/2016 1:10 PM
1611231-012	GL-8-3	11/22/2016 10:40 AM	11/22/2016 1:10 PM
1611231-013	GL-8-6	11/22/2016 10:45 AM	11/22/2016 1:10 PM
1611231-014	GL-9-16	11/22/2016 11:15 AM	11/22/2016 1:10 PM
1611231-015	GL-9-21	11/22/2016 11:22 AM	11/22/2016 1:10 PM



Case Narrative

WO#: **1611231**Date: **11/30/2016**

CLIENT: G-Logics
Project: 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").

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.



Qualifiers & Acronyms

WO#: 1611231

Date Reported: 11/30/2016

Qualifiers:

- * Flagged value is not within established control limits
- 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
- I Analyte with an internal standard that does not meet established acceptance criteria
- J Analyte detected below Reporting Limit
- N Tentatively Identified Compound (TIC)
- Q Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
- S Spike recovery outside accepted recovery limits
- ND Not detected at the Reporting Limit
- R High relative percent difference observed

Acronyms:

%Rec - Percent Recovery

CCB - Continued Calibration Blank

CCV - Continued Calibration Verification

DF - Dilution Factor

HEM - Hexane Extractable Material

ICV - Initial Calibration Verification

LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate

MB or MBLANK - Method Blank

MDL - Method Detection Limit

MS/MSD - Matrix Spike / Matrix Spike Duplicate

PDS - Post Digestion Spike

Ref Val - Reference Value

RL - Reporting Limit

RPD - Relative Percent Difference

SD - Serial Dilution

SGT - Silica Gel Treatment

SPK - Spike

Surr - Surrogate



Work Order: 1611231
Date Reported: 11/30/2016

Client: G-Logics Collection Date: 11/22/2016 7:55:00 AM

Project: Thinker Toys

Lab ID: 1611231-001 **Matrix:** Soil

Client Sample ID: GL-5-5

Analyses	Result	RL	Qual	Units	DF	Da	te Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ID:	15517	Analyst: NG
Vinyl chloride	ND	0.00229		mg/Kg-dry	1	11/23	/2016 1:20:46 AM
1,1-Dichloroethene	ND	0.0572		mg/Kg-dry	1	11/23	/2016 1:20:46 AM
trans-1,2-Dichloroethene	ND	0.0229		mg/Kg-dry	1	11/23	/2016 1:20:46 AM
cis-1,2-Dichloroethene	ND	0.0229		mg/Kg-dry	1	11/23	/2016 1:20:46 AM
Trichloroethene (TCE)	ND	0.0229		mg/Kg-dry	1	11/23	/2016 1:20:46 AM
Tetrachloroethene (PCE)	0.0393	0.0229		mg/Kg-dry	1	11/23	/2016 1:20:46 AM
Surr: Dibromofluoromethane	96.7	56.5-129		%Rec	1	11/23	/2016 1:20:46 AM
Surr: Toluene-d8	100	64.3-131		%Rec	1	11/23	/2016 1:20:46 AM
Surr: 1-Bromo-4-fluorobenzene	97.2	63.1-141		%Rec	1	11/23	/2016 1:20:46 AM
Sample Moisture (Percent Moist	ture)			Batch	ID:	R33055	Analyst: BB
Percent Moisture	13.7	0.500		wt%	1	11/22	/2016 2:46:21 PM



Work Order: **1611231**Date Reported: **11/30/2016**

Client: G-Logics Collection Date: 11/22/2016 8:00:00 AM

Project: Thinker Toys

Lab ID: 1611231-002 **Matrix:** Soil

Client Sample ID: GL-5-8

Analyses	Result	RL	Qual	Units	DF	Da	te Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ID:	15517	Analyst: NG
Vinyl chloride	ND	0.00202		mg/Kg-dry	1	11/23	/2016 1:49:53 AM
1,1-Dichloroethene	ND	0.0505		mg/Kg-dry	1	11/23	/2016 1:49:53 AM
trans-1,2-Dichloroethene	ND	0.0202		mg/Kg-dry	1	11/23	/2016 1:49:53 AM
cis-1,2-Dichloroethene	ND	0.0202		mg/Kg-dry	1	11/23	/2016 1:49:53 AM
Trichloroethene (TCE)	ND	0.0202		mg/Kg-dry	1	11/23	/2016 1:49:53 AM
Tetrachloroethene (PCE)	ND	0.0202		mg/Kg-dry	1	11/23	/2016 1:49:53 AM
Surr: Dibromofluoromethane	96.6	56.5-129		%Rec	1	11/23	/2016 1:49:53 AM
Surr: Toluene-d8	99.4	64.3-131		%Rec	1	11/23	/2016 1:49:53 AM
Surr: 1-Bromo-4-fluorobenzene	97.4	63.1-141		%Rec	1	11/23	/2016 1:49:53 AM
Sample Moisture (Percent Moist	ture)			Batch	ID:	R33055	Analyst: BB
Percent Moisture	10.1	0.500		wt%	1	11/22	/2016 2:46:21 PM



Work Order: **1611231**Date Reported: **11/30/2016**

Client: G-Logics Collection Date: 11/22/2016 8:45:00 AM

Project: Thinker Toys

Lab ID: 1611231-005 **Matrix:** Soil

Client Sample ID: GL-5-45

Analyses	Result	RL	Qual	Units	DF	Date	Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ID:	15517	Analyst: NG
Vinyl chloride	ND	0.00199		mg/Kg-dry	1	11/23/2	2016 2:18:54 AM
1,1-Dichloroethene	ND	0.0497		mg/Kg-dry	1	11/23/2	2016 2:18:54 AM
trans-1,2-Dichloroethene	ND	0.0199		mg/Kg-dry	1	11/23/2	2016 2:18:54 AM
cis-1,2-Dichloroethene	ND	0.0199		mg/Kg-dry	1	11/23/2	2016 2:18:54 AM
Trichloroethene (TCE)	ND	0.0199		mg/Kg-dry	1	11/23/2	2016 2:18:54 AM
Tetrachloroethene (PCE)	ND	0.0199		mg/Kg-dry	1	11/23/2	2016 2:18:54 AM
Surr: Dibromofluoromethane	97.0	56.5-129		%Rec	1	11/23/2	2016 2:18:54 AM
Surr: Toluene-d8	100	64.3-131		%Rec	1	11/23/2	2016 2:18:54 AM
Surr: 1-Bromo-4-fluorobenzene	97.3	63.1-141		%Rec	1	11/23/2	2016 2:18:54 AM
Sample Moisture (Percent Moist	ture)			Batch	ID:	R33055	Analyst: BB
Percent Moisture	9.90	0.500		wt%	1	11/22/2	2016 2:46:21 PM



Work Order: **1611231**Date Reported: **11/30/2016**

Client: G-Logics Collection Date: 11/22/2016 9:45:00 AM

Project: Thinker Toys

Lab ID: 1611231-007 **Matrix:** Soil

Client Sample ID: GL-6-3

Analyses	Result	RL	Qual	Units	DF	Da	te Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ı ID:	15517	Analyst: NG
Vinyl chloride	ND	0.00198		mg/Kg-dry	1	11/2:	3/2016 5:41:55 AM
1,1-Dichloroethene	ND	0.0494		mg/Kg-dry	1	11/2	3/2016 5:41:55 AM
trans-1,2-Dichloroethene	ND	0.0198		mg/Kg-dry	1	11/2	3/2016 5:41:55 AM
cis-1,2-Dichloroethene	ND	0.0198		mg/Kg-dry	1	11/2	3/2016 5:41:55 AM
Trichloroethene (TCE)	ND	0.0198		mg/Kg-dry	1	11/2	3/2016 5:41:55 AM
Tetrachloroethene (PCE)	0.0703	0.0198		mg/Kg-dry	1	11/2	3/2016 5:41:55 AM
Surr: Dibromofluoromethane	101	56.5-129		%Rec	1	11/2	3/2016 5:41:55 AM
Surr: Toluene-d8	100	64.3-131		%Rec	1	11/2	3/2016 5:41:55 AM
Surr: 1-Bromo-4-fluorobenzene	97.2	63.1-141		%Rec	1	11/2	3/2016 5:41:55 AM
Sample Moisture (Percent Moist	ture)			Batch	ı ID:	R33055	Analyst: BB
Percent Moisture	11.4	0.500		wt%	1	11/2:	2/2016 2:46:21 PM



Work Order: **1611231**Date Reported: **11/30/2016**

Client: G-Logics Collection Date: 11/22/2016 9:50:00 AM

Project: Thinker Toys

Lab ID: 1611231-008 **Matrix:** Soil

Client Sample ID: GL-6-6

Analyses	Result	RL	Qual	Units	DF	Date A	Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ı ID:	15517 A	nalyst: NG
Vinyl chloride	ND	0.00237		mg/Kg-dry	1	11/23/20	16 6:10:52 AM
1,1-Dichloroethene	ND	0.0592		mg/Kg-dry	1	11/23/20	16 6:10:52 AM
trans-1,2-Dichloroethene	ND	0.0237		mg/Kg-dry	1	11/23/20	16 6:10:52 AM
cis-1,2-Dichloroethene	ND	0.0237		mg/Kg-dry	1	11/23/20	16 6:10:52 AM
Trichloroethene (TCE)	ND	0.0237		mg/Kg-dry	1	11/23/20	16 6:10:52 AM
Tetrachloroethene (PCE)	ND	0.0237		mg/Kg-dry	1	11/23/20	16 6:10:52 AM
Surr: Dibromofluoromethane	98.6	56.5-129		%Rec	1	11/23/20	16 6:10:52 AM
Surr: Toluene-d8	100	64.3-131		%Rec	1	11/23/20	16 6:10:52 AM
Surr: 1-Bromo-4-fluorobenzene	97.9	63.1-141		%Rec	1	11/23/20	16 6:10:52 AM
Sample Moisture (Percent Moist	ture)			Batch	ID:	R33055 A	nalyst: BB
Percent Moisture	12.2	0.500		wt%	1	11/22/201	16 2:46:21 PM



Batch ID: R33125

Work Order: **1611231**Date Reported: **11/30/2016**

Analyst: BB

Client: G-Logics Collection Date: 11/22/2016 10:00:00 AM

Project: Thinker Toys

Lab ID: 1611231-009 **Matrix:** Soil

Client Sample ID: GL-6-11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ID: 15	5550 Analyst: NG
Vinyl chloride	ND	0.00216	Q	mg/Kg-dry	1	11/30/2016 12:26:24 AM
1,1-Dichloroethene	ND	0.0541		mg/Kg-dry	1	11/30/2016 12:26:24 AM
trans-1,2-Dichloroethene	ND	0.0216		mg/Kg-dry	1	11/30/2016 12:26:24 AM
cis-1,2-Dichloroethene	ND	0.0216		mg/Kg-dry	1	11/30/2016 12:26:24 AM
Trichloroethene (TCE)	ND	0.0216		mg/Kg-dry	1	11/30/2016 12:26:24 AM
Tetrachloroethene (PCE)	0.218	0.0216		mg/Kg-dry	1	11/30/2016 12:26:24 AM
Surr: Dibromofluoromethane	96.3	56.5-129		%Rec	1	11/30/2016 12:26:24 AM
Surr: Toluene-d8	98.9	64.3-131		%Rec	1	11/30/2016 12:26:24 AM
Surr: 1-Bromo-4-fluorobenzene	98.1	63.1-141		%Rec	1	11/30/2016 12:26:24 AM

NOTES:

Sample Moisture (Percent Moisture)

Percent Moisture 8.86 0.500 wt% 1 11/29/2016 12:18:48 PM

Revision v1

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).



Work Order: **1611231**Date Reported: **11/30/2016**

Client: G-Logics Collection Date: 11/22/2016 10:20:00 AM

Project: Thinker Toys

Lab ID: 1611231-010 **Matrix:** Soil

Client Sample ID: GL-7-3

Analyses	Result	RL	Qual	Units	DF	Da	te Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ID:	15517	Analyst: NG
Vinyl chloride	ND	0.00241		mg/Kg-dry	1	11/23	3/2016 6:39:47 AM
1,1-Dichloroethene	ND	0.0603		mg/Kg-dry	1	11/23	3/2016 6:39:47 AM
trans-1,2-Dichloroethene	ND	0.0241		mg/Kg-dry	1	11/23	3/2016 6:39:47 AM
cis-1,2-Dichloroethene	ND	0.0241		mg/Kg-dry	1	11/23	3/2016 6:39:47 AM
Trichloroethene (TCE)	ND	0.0241		mg/Kg-dry	1	11/23	3/2016 6:39:47 AM
Tetrachloroethene (PCE)	0.675	0.0241		mg/Kg-dry	1	11/23	3/2016 6:39:47 AM
Surr: Dibromofluoromethane	97.7	56.5-129		%Rec	1	11/23	3/2016 6:39:47 AM
Surr: Toluene-d8	99.9	64.3-131		%Rec	1	11/23	3/2016 6:39:47 AM
Surr: 1-Bromo-4-fluorobenzene	97.8	63.1-141		%Rec	1	11/23	3/2016 6:39:47 AM
Sample Moisture (Percent Moist	ure)			Batch	ID:	R33055	Analyst: BB
Percent Moisture	14.0	0.500		wt%	1	11/22	2/2016 2:46:21 PM



Work Order: **1611231**Date Reported: **11/30/2016**

Client: G-Logics Collection Date: 11/22/2016 10:25:00 AM

Project: Thinker Toys

Lab ID: 1611231-011 **Matrix:** Soil

Client Sample ID: GL-7-6

Analyses	Result	RL	Qual	Units	DF	Da	te Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ı ID:	15517	Analyst: NG
Vinyl chloride	ND	0.00222		mg/Kg-dry	1	11/23	3/2016 7:08:43 AM
1,1-Dichloroethene	ND	0.0555		mg/Kg-dry	1	11/23	3/2016 7:08:43 AM
trans-1,2-Dichloroethene	ND	0.0222		mg/Kg-dry	1	11/23	3/2016 7:08:43 AM
cis-1,2-Dichloroethene	ND	0.0222		mg/Kg-dry	1	11/23	3/2016 7:08:43 AM
Trichloroethene (TCE)	ND	0.0222		mg/Kg-dry	1	11/23	3/2016 7:08:43 AM
Tetrachloroethene (PCE)	ND	0.0222		mg/Kg-dry	1	11/23	3/2016 7:08:43 AM
Surr: Dibromofluoromethane	97.6	56.5-129		%Rec	1	11/23	3/2016 7:08:43 AM
Surr: Toluene-d8	99.7	64.3-131		%Rec	1	11/23	3/2016 7:08:43 AM
Surr: 1-Bromo-4-fluorobenzene	95.9	63.1-141		%Rec	1	11/23	3/2016 7:08:43 AM
Sample Moisture (Percent Moist	ture)			Batch	ID: I	R33055	Analyst: BB
Percent Moisture	6.33	0.500		wt%	1	11/2	2/2016 2:46:21 PM



Work Order: **1611231**Date Reported: **11/30/2016**

Client: G-Logics Collection Date: 11/22/2016 10:40:00 AM

Project: Thinker Toys

Lab ID: 1611231-012 **Matrix:** Soil

Client Sample ID: GL-8-3

Analyses	Result	RL	Qual	Units	DF	Da	te Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ID:	15517	Analyst: NG
Vinyl chloride	ND	0.00271		mg/Kg-dry	1	11/23	3/2016 7:37:40 AM
1,1-Dichloroethene	ND	0.0676		mg/Kg-dry	1	11/23	3/2016 7:37:40 AM
trans-1,2-Dichloroethene	ND	0.0271		mg/Kg-dry	1	11/23	3/2016 7:37:40 AM
cis-1,2-Dichloroethene	ND	0.0271		mg/Kg-dry	1	11/23	3/2016 7:37:40 AM
Trichloroethene (TCE)	0.0415	0.0271		mg/Kg-dry	1	11/23	3/2016 7:37:40 AM
Tetrachloroethene (PCE)	2.32	0.0271		mg/Kg-dry	1	11/23	3/2016 7:37:40 AM
Surr: Dibromofluoromethane	98.5	56.5-129		%Rec	1	11/23	3/2016 7:37:40 AM
Surr: Toluene-d8	99.5	64.3-131		%Rec	1	11/23	3/2016 7:37:40 AM
Surr: 1-Bromo-4-fluorobenzene	97.1	63.1-141		%Rec	1	11/23	3/2016 7:37:40 AM
Sample Moisture (Percent Moist	ture)			Batch	ID:	R33055	Analyst: BB
Percent Moisture	15.3	0.500		wt%	1	11/22	2/2016 2:46:21 PM



Work Order: **1611231**Date Reported: **11/30/2016**

Client: G-Logics Collection Date: 11/22/2016 10:45:00 AM

Project: Thinker Toys

Lab ID: 1611231-013 **Matrix:** Soil

Client Sample ID: GL-8-6

Analyses	Result	RL	Qual	Units	DF	. Da	te Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ID:	15517	Analyst: NG
Vinyl chloride	ND	0.00213		mg/Kg-dry	1	11/23	3/2016 8:06:36 AM
1,1-Dichloroethene	ND	0.0531		mg/Kg-dry	1	11/23	3/2016 8:06:36 AM
trans-1,2-Dichloroethene	ND	0.0213		mg/Kg-dry	1	11/23	3/2016 8:06:36 AM
cis-1,2-Dichloroethene	ND	0.0213		mg/Kg-dry	1	11/23	3/2016 8:06:36 AM
Trichloroethene (TCE)	ND	0.0213		mg/Kg-dry	1	11/23	3/2016 8:06:36 AM
Tetrachloroethene (PCE)	0.0647	0.0213		mg/Kg-dry	1	11/23	3/2016 8:06:36 AM
Surr: Dibromofluoromethane	97.5	56.5-129		%Rec	1	11/23	3/2016 8:06:36 AM
Surr: Toluene-d8	99.7	64.3-131		%Rec	1	11/23	3/2016 8:06:36 AM
Surr: 1-Bromo-4-fluorobenzene	97.2	63.1-141		%Rec	1	11/23	3/2016 8:06:36 AM
Sample Moisture (Percent Moist	ture)			Batch	ID:	R33055	Analyst: BB
Percent Moisture	10.2	0.500		wt%	1	11/22	2/2016 2:46:21 PM

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Work Order: **1611231**Date Reported: **11/30/2016**

Client: G-Logics Collection Date: 11/22/2016 11:15:00 AM

Project: Thinker Toys

Lab ID: 1611231-014 **Matrix:** Soil

Client Sample ID: GL-9-16

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ı ID:	15517 Analyst: NG
Vinyl chloride	ND	0.00200		mg/Kg-dry	1	11/23/2016 8:35:41 AM
1,1-Dichloroethene	ND	0.0500		mg/Kg-dry	1	11/23/2016 8:35:41 AM
trans-1,2-Dichloroethene	ND	0.0200		mg/Kg-dry	1	11/23/2016 8:35:41 AM
cis-1,2-Dichloroethene	ND	0.0200		mg/Kg-dry	1	11/23/2016 8:35:41 AM
Trichloroethene (TCE)	ND	0.0200		mg/Kg-dry	1	11/23/2016 8:35:41 AM
Tetrachloroethene (PCE)	0.0803	0.0200		mg/Kg-dry	1	11/23/2016 8:35:41 AM
Surr: Dibromofluoromethane	95.8	56.5-129		%Rec	1	11/23/2016 8:35:41 AM
Surr: Toluene-d8	99.4	64.3-131		%Rec	1	11/23/2016 8:35:41 AM
Surr: 1-Bromo-4-fluorobenzene	97.4	63.1-141		%Rec	1	11/23/2016 8:35:41 AM
Sample Moisture (Percent Moist	ure)			Batch	ı ID: I	R33055 Analyst: BB
Percent Moisture	11.2	0.500		wt%	1	11/22/2016 2:46:21 PM



Batch ID: R33098

Work Order: **1611231**Date Reported: **11/30/2016**

Analyst: CG

Client: G-Logics Collection Date: 11/22/2016 11:22:00 AM

Project: Thinker Toys

Lab ID: 1611231-015 **Matrix:** Soil

Client Sample ID: GL-9-21

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by	EPA Method	8260C		Batch	ı ID: 15	534 Analyst: NG
Vinyl chloride	ND	0.00193	Q	mg/Kg-dry	1	11/29/2016 11:17:12 AM
1,1-Dichloroethene	ND	0.0482		mg/Kg-dry	1	11/29/2016 11:17:12 AM
trans-1,2-Dichloroethene	ND	0.0193		mg/Kg-dry	1	11/29/2016 11:17:12 AM
cis-1,2-Dichloroethene	ND	0.0193		mg/Kg-dry	1	11/29/2016 11:17:12 AM
Trichloroethene (TCE)	ND	0.0193		mg/Kg-dry	1	11/29/2016 11:17:12 AM
Tetrachloroethene (PCE)	ND	0.0193		mg/Kg-dry	1	11/29/2016 11:17:12 AM
Surr: Dibromofluoromethane	96.9	56.5-129		%Rec	1	11/29/2016 11:17:12 AM
Surr: Toluene-d8	101	64.3-131		%Rec	1	11/29/2016 11:17:12 AM
Surr: 1-Bromo-4-fluorobenzene	96.0	63.1-141		%Rec	1	11/29/2016 11:17:12 AM

NOTES:

Sample Moisture (Percent Moisture)

Percent Moisture 7.55 0.500 wt% 1 11/28/2016 9:08:22 AM

Revision v1

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).



Thinker Toys

Work Order: 1611231

QC SUMMARY REPORT

CLIENT: G-Logics

Project:

Sample Moisture (Percent Moisture)

Sample ID 1611270-001ADUP SampType: DUP Units: wt% Prep Date: 11/29/2016 RunNo: 33125

Client ID: **BATCH** Batch ID: **R33125** Analysis Date: **11/29/2016** SeqNo: **627743**

Analyte Result RL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Percent Moisture 29.0 0.500 30.20 4.17 20

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Work Order: 1611231

QC SUMMARY REPORT

CLIENT: G-Logics

Project:

Sample Moisture (Percent Moisture)

Sample ID 1611227-014ADUP	SampType: DUP	Units: wt%	Prep Date: 11/2	28/2016	RunNo: 33098
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Client ID: **BATCH** Batch ID: **R33098** Analysis Date: **11/28/2016** SeqNo: **627253**

Analyte Result RL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Percent Moisture 22.6 0.500 21.96 2.77 20

Sample ID 1611253-010ADUP	SampType: DUP		Units: wt%	Prep Date	e: 11/28/2016	RunNo: 33098	
Client ID: BATCH	Batch ID: R33098			Analysis Date	e: 11/28/2016	SeqNo: 627270	
Analyte	Result	RL SPK va	lue SPK Ref Val	%REC LowLimit	HighLimit RPD Ref Val	%RPD RPDLimit	Qual

Percent Moisture 15.3 0.500 15.56 1.55 20

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Thinker Toys

Work Order: 1611231

QC SUMMARY REPORT

CLIENT: G-Logics

Project:

Sample Moisture (Percent Moisture)

Sample ID 1611231-014ADUP SampType: DUP Units: wt% Prep Date: 11/22/2016 RunNo: 33055

Client ID: **GL-9-16** Batch ID: **R33055** Analysis Date: **11/22/2016** SeqNo: **626393**

Analyte Result RL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Percent Moisture 11.4 0.500 11.21 1.29 20

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Thinker Toys

Work Order: 1611231

QC SUMMARY REPORT

CLIENT: G-Logics

Volatile Organic Compounds by EPA Method 8260C

Sample ID LCS-15550	SampType: LCS			Units: mg/Kg		Prep Da	te: 11/29/2	2016	RunNo: 33	153	
Client ID: LCSS	Batch ID: 15550					Analysis Da	te: 11/29/2	2016	SeqNo: 62	8251	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.946	0.00200	1.000	0	94.6	44	142				Q
1,1-Dichloroethene	1.00	0.0500	1.000	0	100	49.7	142				
trans-1,2-Dichloroethene	0.987	0.0200	1.000	0	98.7	68	130				
cis-1,2-Dichloroethene	0.994	0.0200	1.000	0	99.4	71.3	135				
Trichloroethene (TCE)	0.972	0.0200	1.000	0	97.2	65.5	137				
Tetrachloroethene (PCE)	1.03	0.0200	1.000	0	103	52.7	150				
Surr: Dibromofluoromethane	1.24		1.250		99.4	56.5	129				
Surr: Toluene-d8	1.24		1.250		99.5	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		101	63.1	141				

NOTES:

Project:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID MB-15550	SampType: MBLK	·		Units: mg/Kg		Prep Da	te: 11/29/ 2	2016	RunNo: 331	153	
Client ID: MBLKS	Batch ID: 15550					Analysis Da	te: 11/29/ 2	2016	SeqNo: 628	8252	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.00200									Q
1,1-Dichloroethene	ND	0.0500									
trans-1,2-Dichloroethene	ND	0.0200									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0200									
Surr: Dibromofluoromethane	1.28		1.250		103	56.5	129				
Surr: Toluene-d8	1.22		1.250		97.7	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.20		1.250		95.6	63.1	141				
NOTES:											

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Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).



Thinker Toys

Work Order: 1611231

QC SUMMARY REPORT

CLIENT: G-Logics

Project:

Volatile Organic Compounds by EPA Method 8260C

Sample ID 1611226-026BMS	SampType: MS		Units: mg/Kg-dry			Prep Date: 11/29/2016			RunNo: 33153		
Client ID: BATCH	Batch ID: 15550					Analysis Da	te: 11/30/2	016	SeqNo: 628	3237	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.03	0.00207	1.037	0	99.3	51.2	146				Q
1,1-Dichloroethene	0.927	0.0518	1.037	0	89.4	61.9	141				
trans-1,2-Dichloroethene	0.988	0.0207	1.037	0	95.4	52	136				
cis-1,2-Dichloroethene	1.02	0.0207	1.037	0	98.8	58.6	136				
Trichloroethene (TCE)	0.958	0.0207	1.037	0	92.4	68.6	132				
Tetrachloroethene (PCE)	0.991	0.0207	1.037	0	95.6	35.6	158				
Surr: Dibromofluoromethane	1.24		1.296		95.8	56.5	129				
Surr: Toluene-d8	1.31		1.296		101	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.35		1.296		104	63.1	141				

NOTES:

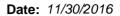
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

tch ID: 15550 Result	-									
Result					Analysis Dat	e: 11/30/2	016	SeqNo: 628	3238	
	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1.05	0.00207	1.037	0	101	51.2	146	1.029	1.77	30	Q
0.998	0.0518	1.037	0	96.3	61.9	141	0.9272	7.34	30	
0.991	0.0207	1.037	0	95.6	52	136	0.9884	0.296	30	
1.01	0.0207	1.037	0	97.4	58.6	136	1.024	1.46	30	
0.961	0.0207	1.037	0	92.7	68.6	132	0.9577	0.356	30	
1.01	0.0207	1.037	0	97.3	35.6	158	0.9906	1.83	30	
1.23		1.296		95.1	56.5	129		0		
1.32		1.296		102	64.3	131		0		
1.36		1.296		105	63.1	141		0		
	1.05 0.998 0.991 1.01 0.961 1.01 1.23 1.32	1.05	1.05 0.00207 1.037 0.998 0.0518 1.037 0.991 0.0207 1.037 1.01 0.0207 1.037 0.961 0.0207 1.037 1.01 0.0207 1.037 1.23 1.296 1.32 1.296	1.05 0.00207 1.037 0 0.998 0.0518 1.037 0 0.991 0.0207 1.037 0 1.01 0.0207 1.037 0 0.961 0.0207 1.037 0 1.01 0.0207 1.037 0 1.23 1.296 1.32 1.296	1.05 0.00207 1.037 0 101 0.998 0.0518 1.037 0 96.3 0.991 0.0207 1.037 0 95.6 1.01 0.0207 1.037 0 97.4 0.961 0.0207 1.037 0 92.7 1.01 0.0207 1.037 0 97.3 1.23 1.296 95.1 1.32 1.296 102	1.05 0.00207 1.037 0 101 51.2 0.998 0.0518 1.037 0 96.3 61.9 0.991 0.0207 1.037 0 95.6 52 1.01 0.0207 1.037 0 97.4 58.6 0.961 0.0207 1.037 0 92.7 68.6 1.01 0.0207 1.037 0 97.3 35.6 1.23 1.296 95.1 56.5 1.32 1.296 102 64.3	1.05 0.00207 1.037 0 101 51.2 146 0.998 0.0518 1.037 0 96.3 61.9 141 0.991 0.0207 1.037 0 95.6 52 136 1.01 0.0207 1.037 0 97.4 58.6 136 0.961 0.0207 1.037 0 92.7 68.6 132 1.01 0.0207 1.037 0 97.3 35.6 158 1.23 1.296 95.1 56.5 129 1.32 1.296 102 64.3 131	1.05 0.00207 1.037 0 101 51.2 146 1.029 0.998 0.0518 1.037 0 96.3 61.9 141 0.9272 0.991 0.0207 1.037 0 95.6 52 136 0.9884 1.01 0.0207 1.037 0 97.4 58.6 136 1.024 0.961 0.0207 1.037 0 92.7 68.6 132 0.9577 1.01 0.0207 1.037 0 97.3 35.6 158 0.9906 1.23 1.296 95.1 56.5 129 1.32 1.296 102 64.3 131	1.05 0.00207 1.037 0 101 51.2 146 1.029 1.77 0.998 0.0518 1.037 0 96.3 61.9 141 0.9272 7.34 0.991 0.0207 1.037 0 95.6 52 136 0.9884 0.296 1.01 0.0207 1.037 0 97.4 58.6 136 1.024 1.46 0.961 0.0207 1.037 0 92.7 68.6 132 0.9577 0.356 1.01 0.0207 1.037 0 97.3 35.6 158 0.9906 1.83 1.23 1.296 95.1 56.5 129 0 1.32 1.296 102 64.3 131 0	1.05 0.00207 1.037 0 101 51.2 146 1.029 1.77 30 0.998 0.0518 1.037 0 96.3 61.9 141 0.9272 7.34 30 0.991 0.0207 1.037 0 95.6 52 136 0.9884 0.296 30 1.01 0.0207 1.037 0 97.4 58.6 136 1.024 1.46 30 0.961 0.0207 1.037 0 92.7 68.6 132 0.9577 0.356 30 1.01 0.0207 1.037 0 97.3 35.6 158 0.9906 1.83 30 1.23 1.296 95.1 56.5 129 0 1.32 1.296 102 64.3 131 0

NOTES:

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Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).





Work Order: 1611231

QC SUMMARY REPORT

CLIENT: G-Logics Project: Thinker Toys

Volatile Organic Compounds by EPA Method 8260C

Sample ID 1611253-002BDUP	SampType: DUP	·		Units: mg	/Kg-dry	Prep Da	e: 11/29/2	2016	RunNo: 33		
Client ID: BATCH	Batch ID: 15550					Analysis Da	e: 11/30/2	2016	SeqNo: 628	3242	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.00186						0		30	
1,1-Dichloroethene	ND	0.0466						0		30	
trans-1,2-Dichloroethene	ND	0.0186						0		30	
cis-1,2-Dichloroethene	ND	0.0186						0		30	
Trichloroethene (TCE)	ND	0.0186						0		30	
Tetrachloroethene (PCE)	ND	0.0186						0		30	
Surr: Dibromofluoromethane	1.13		1.164		96.8	56.5	129		0		
Surr: Toluene-d8	1.34		1.164		115	64.3	131		0		
Surr: 1-Bromo-4-fluorobenzene	1.34		1.164		115	63.1	141		0		

Sample ID 1611253-006BDUP	SampType: DUP			Units: mg/	/Kg-dry	Prep Dat	e: 11/29/ 2	2016	RunNo: 331	53	
Client ID: BATCH	Batch ID: 15550					Analysis Dat	e: 11/30/2	2016	SeqNo: 628	3246	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.00212		<u> </u>				0		30	
1,1-Dichloroethene	ND	0.0529						0		30	
trans-1,2-Dichloroethene	ND	0.0212						0		30	
cis-1,2-Dichloroethene	ND	0.0212						0		30	
Trichloroethene (TCE)	ND	0.0212						0		30	
Tetrachloroethene (PCE)	ND	0.0212						0		30	
Surr: Dibromofluoromethane	1.27		1.323		96.1	56.5	129		0		
Surr: Toluene-d8	1.34		1.323		101	64.3	131		0		
Surr: 1-Bromo-4-fluorobenzene	1.33		1.323		101	63.1	141		0		

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Thinker Toys

Work Order: 1611231

QC SUMMARY REPORT

CLIENT: G-Logics

Volatile Organic Compounds by EPA Method 8260C

Sample ID 1611227-015BDUP	SampType: DUP			Units: mg/	Kg-dry	Prep Da	te: 11/28/ 2	2016	RunNo: 33	131	
Client ID: BATCH	Batch ID: 15534					Analysis Da	te: 11/29/ 2	2016	SeqNo: 62	7802	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.00245						0		30	Q
1,1-Dichloroethene	ND	0.0611						0		30	
trans-1,2-Dichloroethene	ND	0.0245						0		30	
cis-1,2-Dichloroethene	ND	0.0245						0		30	
Trichloroethene (TCE)	ND	0.0245						0		30	
Tetrachloroethene (PCE)	ND	0.0245						0		30	
Surr: Dibromofluoromethane	1.47		1.528		96.0	56.5	129		0		
Surr: Toluene-d8	1.53		1.528		100	64.3	131		0		
Surr: 1-Bromo-4-fluorobenzene	1.53		1.528		99.8	63.1	141		0		
NOTES:											

NOTES:

Project:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID 1611227-006BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 11/28/2016			RunNo: 33131			
Client ID: BATCH	Batch ID: 15534					Analysis Da	te: 11/29/2	2016	SeqNo: 62	7794	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.907	0.00215	1.077	0	84.2	51.2	146				Q
1,1-Dichloroethene	0.883	0.0538	1.077	0	82.0	61.9	141				
trans-1,2-Dichloroethene	0.979	0.0215	1.077	0	90.9	52	136				
cis-1,2-Dichloroethene	1.06	0.0215	1.077	0	98.6	58.6	136				
Trichloroethene (TCE)	1.02	0.0215	1.077	0	94.9	68.6	132				
Tetrachloroethene (PCE)	1.10	0.0215	1.077	0	102	35.6	158				
Surr: Dibromofluoromethane	1.24		1.346		92.2	56.5	129				
Surr: Toluene-d8	1.38		1.346		102	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.38		1.346		103	63.1	141				
NOTES:											

NOTES:

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Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).



Work Order: 1611231

QC SUMMARY REPORT

CLIENT: G-Logics Project: Thinker Toys

Volatile Organic Compounds by EPA Method 8260C

Sample ID 1611227-006BMSD	SampType: MSD			Units: mg/k	(g-dry	Prep Da	te: 11/28/ 2	2016	RunNo: 33	131	
Client ID: BATCH	Batch ID: 15534					Analysis Da	te: 11/29/ 2	2016	SeqNo: 62	7795	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.903	0.00215	1.077	0	83.9	51.2	146	0.9068	0.455	30	Q
1,1-Dichloroethene	0.917	0.0538	1.077	0	85.1	61.9	141	0.8825	3.79	30	
trans-1,2-Dichloroethene	0.994	0.0215	1.077	0	92.3	52	136	0.9785	1.52	30	
cis-1,2-Dichloroethene	1.05	0.0215	1.077	0	97.6	58.6	136	1.061	0.972	30	
Trichloroethene (TCE)	1.02	0.0215	1.077	0	94.9	68.6	132	1.022	0.000843	30	
Tetrachloroethene (PCE)	1.11	0.0215	1.077	0	103	35.6	158	1.096	1.25	30	
Surr: Dibromofluoromethane	1.25		1.346		92.6	56.5	129		0		
Surr: Toluene-d8	1.38		1.346		102	64.3	131		0		
Surr: 1-Bromo-4-fluorobenzene	1.37		1.346		102	63.1	141		0		
NOTES:											

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID MB-15534	SampType: MBLK			Units: mg/Kg		Prep Da	te: 11/28/ 2	2016	RunNo: 33	131	
Client ID: MBLKS	Batch ID: 15534					Analysis Da	te: 11/29/ 2	2016	SeqNo: 627	7807	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.00200									Q
1,1-Dichloroethene	ND	0.0500									
trans-1,2-Dichloroethene	ND	0.0200									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0200									
Surr: Dibromofluoromethane	1.26		1.250		101	56.5	129				
Surr: Toluene-d8	1.25		1.250		99.9	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.21		1.250		96.9	63.1	141				
NOTES:											

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Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).



Thinker Toys

Work Order: 1611231

QC SUMMARY REPORT

CLIENT: G-Logics

Volatile Organic Compounds by EPA Method 8260C

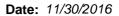
Sample ID LCS-15534	SampType: LCS			Units: mg/Kg		Prep Da	te: 11/28/2	2016	RunNo: 33	131	
Client ID: LCSS	Batch ID: 15534					Analysis Da	te: 11/29/ 2	2016	SeqNo: 627	7858	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.989	0.00200	1.000	0	98.9	44	142				Q
1,1-Dichloroethene	0.987	0.0500	1.000	0	98.7	49.7	142				
trans-1,2-Dichloroethene	0.983	0.0200	1.000	0	98.3	68	130				
cis-1,2-Dichloroethene	1.01	0.0200	1.000	0	101	71.3	135				
Trichloroethene (TCE)	0.979	0.0200	1.000	0	97.9	65.5	137				
Tetrachloroethene (PCE)	1.02	0.0200	1.000	0	102	52.7	150				
Surr: Dibromofluoromethane	1.22		1.250		97.8	56.5	129				
Surr: Toluene-d8	1.27		1.250		101	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.27		1.250		101	63.1	141				

NOTES:

Project:

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Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).





Work Order: 1611231

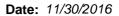
QC SUMMARY REPORT

CLIENT: G-Logics Project: Thinker Toys

Volatile Organic Compounds by EPA Method 8260C

Sample ID LCS-15517	SampType: LCS			Units: mg/Kg		Prep Date	: 11/22/2	2016	RunNo: 330)72	
Client ID: LCSS	Batch ID: 15517					Analysis Date	: 11/22/2	2016	SeqNo: 626	5774	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.07	0.00200	1.000	0	107	44	142				
1,1-Dichloroethene	1.01	0.0500	1.000	0	101	49.7	142				
trans-1,2-Dichloroethene	1.04	0.0200	1.000	0	104	68	130				
cis-1,2-Dichloroethene	1.04	0.0200	1.000	0	104	71.3	135				
Trichloroethene (TCE)	1.01	0.0200	1.000	0	101	65.5	137				
Tetrachloroethene (PCE)	1.06	0.0200	1.000	0	106	52.7	150				
Surr: Dibromofluoromethane	1.18		1.250		94.6	56.5	129				
Surr: Toluene-d8	1.24		1.250		99.5	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		103	63.1	141				
Sample ID MB-15517	SampType: MBLK			Units: mg/Kg		Prep Date	: 11/22/2	2016	RunNo: 330	72	
Client ID: MBLKS	Batch ID: 15517					Analysis Date	: 11/22/2	2016	SeqNo: 626	3 7 75	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.00200									
1,1-Dichloroethene	ND	0.0500									
trans-1,2-Dichloroethene	ND	0.0200									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0200									
Surr: Dibromofluoromethane	1.29		1.250		103	56.5	129				
Surr: Toluene-d8	1.21		1.250		96.8	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.19		1.250		94.8	63.1	141				
Sun. 1-bromo-4-ndorobenzene											
Sample ID 1611226-023BDUP	SampType: DUP			Units: mg/Kg-	dry	Prep Date	: 11/22/2	2016	RunNo: 330)72	
	SampType: DUP Batch ID: 15517			Units: mg/Kg-	dry	Prep Date			RunNo: 330 SeqNo: 626		
Sample ID 1611226-023BDUP		RL	SPK value	Units: mg/Kg-	dry %REC	Analysis Date	: 11/23/2				Qua
Sample ID 1611226-023BDUP Client ID: BATCH	Batch ID: 15517	RL 0.00223	SPK value			Analysis Date	: 11/23/2	2016	SeqNo: 626	6759	Qual

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Work Order: 1611231

QC SUMMARY REPORT

CLIENT: G-Logics

Project: Thinker Toys	S					Volatile	Organi	c Compoun	ds by EPA	\ Method	1 8260
Sample ID 1611226-023BDUP	SampType: DUP			Units: mg/l	(g-dry	Prep Dat	te: 11/22/2	2016	RunNo: 330)72	
Client ID: BATCH	Batch ID: 15517					Analysis Dat	te: 11/23/2	2016	SeqNo: 626	3759	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	0.0223						0		30	
cis-1,2-Dichloroethene	ND	0.0223						0		30	
Trichloroethene (TCE)	ND	0.0223						0		30	
Tetrachloroethene (PCE)	ND	0.0223						0		30	
Surr: Dibromofluoromethane	1.36		1.395		97.4	56.5	129		0		
Surr: Toluene-d8	1.40		1.395		100	64.3	131		0		
Surr: 1-Bromo-4-fluorobenzene	1.36		1.395		97.3	63.1	141		0		
Sample ID 1611226-007BMS	SampType: MS			Units: mg/l	(g-dry	Prep Dat	te: 11/22/2	2016	RunNo: 330)72	
Client ID: BATCH	Batch ID: 15517					Analysis Dat	te: 11/23/2	2016	SeqNo: 626	3752	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.25	0.00221	1.105	0	113	51.2	146				
1,1-Dichloroethene	1.15	0.0552	1.105	0	104	61.9	141				
trans-1,2-Dichloroethene	1.16	0.0221	1.105	0	105	52	136				
cis-1,2-Dichloroethene	1.16	0.0221	1.105	0	105	58.6	136				
Trichloroethene (TCE)	1.11	0.0221	1.105	0	100	68.6	132				
Tetrachloroethene (PCE)	1.20	0.0221	1.105	0	108	35.6	158				
Surr: Dibromofluoromethane	1.32		1.381		95.7	56.5	129				
Surr: Toluene-d8	1.41		1.381		102	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.39		1.381		101	63.1	141				
Sample ID 1611226-007BMSD	SampType: MSD			Units: mg/l	(g-dry	Prep Dat	te: 11/22/2	2016	RunNo: 330)72	-
Client ID: BATCH	Batch ID: 15517					Analysis Dat	te: 11/23/2	2016	SeqNo: 626	3753	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.30	0.00221	1.105	0	117	51.2	146	1.248	3.82	30	
1,1-Dichloroethene	1.14	0.0552	1.105	0	103	61.9	141	1.148	0.885	30	
trans-1,2-Dichloroethene	1.18	0.0221	1.105	0	107	52	136	1.157	2.17	30	
cis-1,2-Dichloroethene	1.19	0.0221	1.105	0	107	58.6	136	1.163	1.91	30	

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1611231 Work Order:

QC SUMMARY REPORT

CLIENT: G-Logics Thinker Toys

Project:

Volatile Organic Compounds by EPA Method 8260C

Sample ID 1611226-007BMSD	SampType: MSD			Units: mg/k	(g-dry	Prep Da	te: 11/22/2	2016	RunNo: 33	072	
Client ID: BATCH	Batch ID: 15517					Analysis Da	te: 11/23/2	2016	SeqNo: 62	6753	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	1.14	0.0221	1.105	0	103	68.6	132	1.109	2.37	30	
Tetrachloroethene (PCE)	1.21	0.0221	1.105	0	110	35.6	158	1.197	1.46	30	
Surr: Dibromofluoromethane	1.32		1.381		95.9	56.5	129		0		
Surr: Toluene-d8	1.41		1.381		102	64.3	131		0		
Surr: 1-Bromo-4-fluorobenzene	1.41		1.381		102	63.1	141		0		

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Sample Log-In Check List

CI	ient Name:	GL	Work Order Numb	per: 1611231		
Lo	gged by:	Erica Silva	Date Received:	11/22/201	16 1:10:00 PM	
<u>Cha</u>	in of Custo	ody				
		ustody complete?	Yes 🗸	No 🗌	Not Present	
2.	How was the	sample delivered?	<u>Client</u>			
Log	In					
_	Coolers are p	oresent?	Yes 🗸	No 🗌	NA 🗆	
J.	σσσισισ αι σ μ		. 55			
4.	Shipping conf	tainer/cooler in good condition?	Yes 🗹	No \square		
5.		s present on shipping container/cooler? nments for Custody Seals not intact)	Yes	No 🗌	Not Required 🗹	
6.	Was an atten	npt made to cool the samples?	Yes 🗹	No 🗌	NA 🗌	
7.	Were all item	s received at a temperature of >0°C to 10.0°C*	Yes 🗸	No 🗆	NA 🗆	
8.	Sample(s) in	proper container(s)?	Yes 🗸	No \square		
9.	Sufficient san	nple volume for indicated test(s)?	Yes 🗹	No 🗌		
10.	Are samples	properly preserved?	Yes 🗹	No 🗌		
11.	Was preserva	ative added to bottles?	Yes	No 🗸	NA \square	
12.	Is there head	space in the VOA vials?	Yes	No 🗌	NA 🗸	
13.	Did all sample	es containers arrive in good condition(unbroken)?	Yes 🗹	No 🗌		
14.	Does paperw	ork match bottle labels?	Yes 🗸	No \square		
15.	Are matrices	correctly identified on Chain of Custody?	Yes 🗹	No \square		
16.	Is it clear wha	at analyses were requested?	Yes 🗸	No 🗌		
17.	Were all hold	ing times able to be met?	Yes 🗸	No 🗌		
Spe	cial Handli	ing (if applicable)				
_		otified of all discrepancies with this order?	Yes	No \square	NA 🗸	
	Person	Notified: Date				
	By Who	m: Via:	eMail Pho	one Fax	☐ In Person	
	Regardi	ng:				
	Client In	structions:				
19.	Additional rer	narks:				
Item	Information					
		Item # Temp °C				

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Cooler

Sample

8.2

9.5

SSNAPO P		L				Ch	ain	of C	usto	dy I	Reco	ord	and	Lal	boratory Services	Agreement
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City, State, Zip:						_	Repo	rt To (PN	n):	Joan	ST	TRO.	AHL			- The same
Telephone:			_				PM E		-			ords side		0.0	Service and Print and April 1997	
*Matrix Codes: A = Air, AQ = Aqueou	us, B = Bulk, O = Ot	her, P = Prod	duct, S = So	il, SD =	Sediment,	SL = Soli	d, W=V	Water, D	W = Drink	ing Water	, GW = 0	Ground W	/ater, SW	V = Stor	rm Water, WW = Waste Water	
Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	100	1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10 10 10 10 10 10 10 10 10 10 10 10 10 1				8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		//	Comment	S
1 61-5-5	11/22	0755	3	X											PCZ + DAUG	MHTER PROD.
2 GL-S-8	1	0800	1	X		100	. Jest					U de N	J-101	1	V	
3 GIL-5-11		0875														
4 GL-5-40		0835						-			1 10	-				
5 br - 5 - 45		0845		X											PLZ + DAVIGH	Tak prop.
6 GIL-5-50	The state of	0900						nd a lo				1111		Y		
161-6-3		0945	1	X	11/2/19		y =9	00-			1000		Com III		PLZ + DAVES	HTER PROD.
8 GL-6-6		0950		X											V	
9 GIL -6-11	400	1000			7868								-			
10 GL-7-3	1	1020	1	X					8000			199			PCZ + DAVIGI	HER DROD.
**Metals Analysis (Circle): MTCA	A-5 RCRA-8	Priority Pollu	itants T	AL I	Individual:	Ag Al	As B Ba	a Be Ca	Cd Co	Cr Cu F					b Sb Se Sr Sn Ti Tl U V Zn	
***Anions (Circle): Nitrate	Nitrite Chlorid		te Bro	mide	O-Phos		Fluori		Nitrate+N		received	after 4:0	s for sam Opm will l	begin	Special Remarks:	
Sample Disposal: Return		assessed if	samples are	retained	after 30 d	ays.)							Cli 4			
I represent that I am authorized agreement to each of the terms of	to enter into this n the front and ba	Agreement ackside of th	with Fren his Agreem	ent.		n behal	of the	Client n	amed ab	ove, that	1 nave v	rerified	Chent's			
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*Matrix Codes: A = Air, AQ = Aqueous, E	B = Bulk, O = Oti	ner, P = Prod	duct, S = So	il, SD :	= Sedime	nt, SL=	Solid,	W=W	ater, D	W = Drin	king Wat	ter, GV	V = Gro	ound Wa	iter, S	W = Sto	orm Water, WW = Waste Water			
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3 (91-8-6		1045		X	\top	\top	П			П										
101-9-16		1115		X														/		
5 GL -9-16 5 GL -9-21	1	1122	V																	
6			7											45						
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8																				
9																				
10	110																			
**Metals Analysis (Circle): MTCA-5	RCRA-8	Priority Pollu		AL								_		g Mn d times			Special Remarks:	1.0		
***Anions (Circle): Nitrate Nitri		Disposal by		mide es will b		r 30 day		Fluoride otherv		Nitrate+N ed. A fee		rece	ived af	ter 4:00	pm will	begin	Section in Control of the Control of			
Sample Disposal: Return to I represent that I am authorized to e	chem —	assessed if s	samples are	retaine	d after 3	Odays.)						10110		_			-			
agreement to each of the terms on the	e front and ba	ckside of th	is Agreem	ent.	Receive				(1	te/Time									
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City, State, Zip:						-		rt To (PM):	10~	5/0	KDAF	10	
*Matrix Codes: A = Air, AQ = Aqueous, 8	- 0ll. O - Ot		fuet S = Se				PM E		W = Drinkir	ng Water,	GW = Gr	ound Wate	r, SW = Sto	orm Water, WW = Waste Water
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Sample Name	Date 11/22	0755	(Matrix)*	1	07.6	1	7		Ϋ́	ΪĬ				PLZ + DAVIGHTTER PROD.
1 616-5.5	4400		-	X		\forall	+		H	11	1			1/2
2 GL-5-8	++	0800		1	+	+	+							V
3 G1-5-11	++	0805		+	-		+		++	++	+		++	
4 GL-5-40	11	0835		1	-		-	-	++	1	+		++	
5 GL-5-45		0845		X					1-1-	\perp	+			PLZ + DAVIGHTAR PROD.
6 GIL-5-50		0900												
761-6-3		0945		X										PLZ + DAVGHTER PROD.
8 GL-60-6		0950		X										V
9 (91L-6-11		1000												
10 GL-7-3	1	1020	V	X						to all to se an an a				PCZ + DAVIGHTER DROD.
**Metals Analysis (Circle): MTCA-5	RCRA-8	Priority Pollu	itants 1	TAL	Individual:	Ag Al	As B B	a Be Ca	Cd Co C					Pb Sb Se Sr Sn Ti Ti U V Zn Special Remarks:
***Anions (Circle): Nitrate Nitrit	te Chloric			omide	O-Phos		Fluor		Nitrate+Nit	rite		nd times fo fter 4:00pr	n will begin	The state of the s
Sample Disposal: Return to		Disposal by assessed if	samples are	retained	daften 30 d	lays.)				-		owing busi		
I represent that I am authorized to e agreement to each of the terms on the	nter into this	Agreement	with Fren	nont Ar	alytical o	n beha	If of the	Client na	emed abo	ve, that	I have ve	rified Cli	ent's	
	ate/Time /	REASING OF TH	ns Agreen	/	Received	7		111.	Date	/Time	100	7		
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Sample Name	Date	Time	(Matrix)*	130	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1/3/	18 3ª	3/3/	3/3/	Mel	1 4 m	3/	//	11	Comments
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*Metals Analysis (Circle): MTCA-5	RCRA-8	Priority Polluti	ants TA	l In	dividual:	As Al	As B Ra	Be Ca	Cd Co Ci	r Cu Fe	He K	Mg Mn	Mo Na	Ni Pb S	Sb Se Sr Sn Ti Ti U V Zn
***Anions (Circle): Nitrate Nitr					O-Phosp		Fluori		itrate+Nitr		Turn-aro	und times	for sampl	oles Sp	pecial Remarks:
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1 616-5.5	11/22	0755	3	X											PLZ + DAVIGHTTER PROD
2 61-5-8		0800		X											
3 G1-5-11		045													V
4 6L-5-40		0835													
5 br - 5 - 45		0845		X											7.7 1.0 1.0 1.0
6 GIL -5 -50		0900				+		\forall	-		-		+		PLZ + DAVINHTAR PROD.
				U	+		+	++	+	++	+	++	-		
191-6-3		0745		X	-	+-+	-		-	++	_	1	-		PLZ + DAVIGHTER PROD.
8 91-6-6		0950		X											
9 (71-6-11		1000		X						*******					Add Analte 1/29 - West Day
10 GL-7-3	4	1020	V	X											PCZ + DANGHTER DROD
**Metals Analysis (Circle): MTCA	-S RCRA-8	Priority Pollut	ants TA	AL I	ndividual:	Ag Al	As B I	Ва Ве	Ca Cd	Co Cr Ci	u Fe Hg	K Mg	Mn Mo	Na Ni	Pb Sb Se Sr Sn Ti Ti U V Zn
***Anions (Circle): Nitrate Sample Disposal: Return I represent that I am authorized agreement to each of the terms on geliquished	to enter into this	Disposal by to assessed if singreement was the control of this control of this control of the co	ab (Samples amples are r with Fremes & Agreeme	nide s will be retained ont Ans	O-Phos held for 3 after 30 c	sphate 80 days u days.)	Fluo nless oth	ride erwise n	Nitrate oted. A named	e+Nitrite fee may b	e on the	i-around t ived after he follow ve verifi	4:00pm ng busine	samples will begin ess day	Special Remarks:
Refinquished	Date/Time	10	4	R	eseived	-			0	Date/Time	2	-	(0		TAT → SameDay^ NextDay 2 Day 3 Day STO

^Please coordinate with the lab in advance

ATTACHMENTS

Permission and Conditions for Use and Copying Form

Confirmation Sampling Former Drycleaner Location, 106th Avenue NE and NE 8th Street Bellevue, WA 98004

G-Logics Project 01-0739-G February 26, 2017

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- 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.
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 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
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- I am advised that the Document is a qualitative evaluation of site conditions and should not
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 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-i	dentified conditions for copying/use of the Document, am familiar
with the presented limitations of the provide	ed services, and acknowledge my understanding and concurrence,
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With your information and signature above	, please fax to G-Logics (425-313-3074) for approval review.
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