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July 5, 2013
File: 190500751

Henry Wilkie
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, NY 12233-7015

Re: Soil Stockpile Sampling and Analysis
Contained-In Demonstration
Brownfield Cleanup Program Site # C828184
Former Carriage Factory
33 Litchfield Street, Rochester, New York

Dear Mr. Wilkie:

Introduction

On behalf of Carriage Factory Special Needs Apartments, LP (CFSNA), Stantec is pleased to submit this summary of sampling and analysis of soils for disposal characterization. The sampling and analysis have been performed in accordance with our Contained-In Demonstration Work Plan (CIDWP) submitted to you on May 30, 2013 and approved by you on June 3, 2013.

Background

As indicated in the CIDWP, soils impacted with trichloroethene (TCE) and tetrachloroethene (PERC) were encountered in the basement of the site building and have been excavated and temporarily stockpiled pending sampling, laboratory analysis and NYSDEC/landfill approval for offsite disposal. Refer to the CIDWP for a more detailed discussion of site background and contaminants present, excavation areas, and previous soil sampling performed.

Stockpile Sampling

Figure 1 shows the locations of eight stockpiles (Numbered CID-1 through CID-7 and CID-9; there is no pile designated CID-8) and indicates the source for the material in each stockpile. The stockpile sampling and laboratory analyses were performed as described in the CIDWP, and also in accordance with guidance and requirements provided in NYSDEC's DER-10 guidance document. Table 1 describes each soil sample obtained and the associated stockpile represented by each sample.

The lab analyses included those compounds listed in the DER-10, Appendix 5 (Metals, Polychlorinated Biphenyls, Pesticides, Semivolatile Organic Compounds and Volatile Organic Compounds). In addition, as required by the TAGM 3028 document for Contained-In Demonstrations, TCLP analyses for VOCs were also performed.

A copy of the analytical report is included as Attachment 1. Table 2 provides a summary of the analytical results and the TAGM 3028 Contained-in Action Levels (CIALs) for comparison. As indicated on the table, none of the VOC analytes, including TCE and PERC were detected at concentrations that exceed the CIALs. The detection limits for the TCLP analyses (20 ug/L for most compounds, 100 ug/L for methyl ethyl ketone) exceed the CIALs for these compounds; however, the low VOC levels observed in the totals analysis indicate these compounds are not present at levels that would have produced detectable leachate concentrations.

Note that the samples labeled LI-CID-P1c (composite) and LI-CID-P1g (grab) were obtained from stockpile No. CID-1. As discussed in the CIDWP, this pile contained soil excavated adjacent to a clay tile crock in the building's basement. A grab soil sample taken at that time immediately adjacent to the base of the crock (which was constructed on bedrock) was reported to contain PERC at a concentration of 371 mg/kg. This stockpile also received soil excavated from the area adjacent to and near the crock, and the total pile volume is estimated at less than 10 cubic yards. In our previous telephone discussion, you indicated this stockpile might require disposal as a hazardous waste due to the elevated PERC detection in the "in-situ" sample; however the stockpile sampling results indicated low VOC levels similar to the other piles. Please advise whether this stockpile requires disposal as hazardous waste.

Based on the sampling and analytical results Stantec requests approval to dispose of the soil piles (with the possible exception of pile CID-1, depending on your determination of waste status) in a permitted landfill as non-hazardous materials. As requested in your June 3 CIDWP approval letter, the identity of the proposed disposal facility is provided below. A copy of the Part 360 permit is included as Attachment 2.

Waste Management
Mill Seat Landfill
303 Brew Road
Bergen, NY 14416
NYSDEC Part 360 Permit #8-2648-00014/00001

Closing

We look forward to your timely review of this information so that, if approved by the Department and with the acceptance of the disposal facility, we can commence with offsite disposal of the soils in order to create working room for additional excavation and stockpiling of potentially-impacted soils.

Soil Stockpile Sampling and Analysis
Contained-In Demonstration
33 Litchfield Street, Rochester, NY
BCP Site #C828184

If you have any questions or require further information, please do not hesitate to contact us.

Sincerely,

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Attachments:

Table 1 - Summary of Soil Samples and Analyses Performed
Table 2 - Summary of Soil Analytical Results
Figure 1 - Stockpile Identification
Attachment 1 - Analytical Laboratory Report
Attachment 2 - Landfill Part 360 Permit

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TABLES

Brownfield Cleanup Program Site #C828184
Contained-In Demonstration
33 Litchfield Street, Rochester, New York

TABLE 1

Summary of Soil Samples and Analyses Performed

Sample ID	Stockpile ID	Sample Type	Analysis
LI-CID-P1c	CID-1	composite	Metals, Pesticides, PCBs, SVOCs
LI-CID-P1g		grab	VOCs and TCLP VOCs
LI-CID-P2c	CID-2	composite	Metals, Pesticides, PCBs, SVOCs
LI-CID-P2g		grab	VOCs and TCLP VOCs
LI-CID-P3c	CID-3	composite	Metals, Pesticides, PCBs, SVOCs
LI-CID-P3g		grab	VOCs and TCLP VOCs
LI-CID-P4c	CID-4	composite	Metals, Pesticides, PCBs, SVOCs
LI-CID-P4g		grab	VOCs and TCLP VOCs
LI-CID-P5c	CID-5 & CID-7	composite	Metals, Pesticides, PCBs, SVOCs
LI-CID-P5g		grab	VOCs and TCLP VOCs
LI-CID-P6c	CID-6	composite	Metals, Pesticides, PCBs, SVOCs
LI-CID-P6g		grab	VOCs and TCLP VOCs
LI-CID-P8g	CID-9	Grab	VOCs & TCLP VOCs (*Field Duplicate of Pile CID-9)*
LI-CID-P9c	CID-9	composite	Metals, Pesticides, PCBs, SVOCs
LI-CID-P9g		grab	VOCs and TCLP VOCs

Table 2
Summary of Analytical Results in Soil
Stockpile Sampling
Brownfield Cleanup Program Site #C828184
Contained-In Demonstration
33 Litchfield Street, Rochester, New York

			Pile CID-1			Pile CID-2			Pile CID-3					Pile CID-4			Piles CID-5 and CID-7					Pile CID-6			Field Dup (Pile CID-9)	Pile CID-9		
Sample Location			LI-CID-P1c	LI-CID-P1g		LI-CID-P2c	LI-CID-P2g		LI-CID-P3c	LI-CID-P3g1		LI-CID-P3g2		LI-CID-P4c	LI-CID-P4g		LI-CID-P5c	LI-CID-P5g1		LI-CID-P5g2		LI-CID-P6c	LI-CID-P6g		LI-CID-P8c	LI-CID-P9c	LI-CID-P9g	
Sample Date			14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13
Sample ID			LI-CID-P1c	LI-CID-P1g	LI-CID-P1g	LI-CID-P2c	LI-CID-P2g	LI-CID-P2g	LI-CID-P3c	LI-CID-P3g1	LI-CID-P3g1	LI-CID-P3g2	LI-CID-P3g2	LI-CID-P4c	LI-CID-P4g	LI-CID-P4g	LI-CID-P5c	LI-CID-P5g1	LI-CID-P5g1	LI-CID-P5g2	LI-CID-P5g2	LI-CID-P6c	LI-CID-P6g	LI-CID-P6g	LI-CID-P8c	LI-CID-P9c	LI-CID-P9g	LI-CID-P9g
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208
Laboratory Sample ID	**Units**	**CIALs**	132208-02	132208-01	132208-01A	132208-04	132208-03	132208-03A	132208-07	132208-05	132208-05A	132208-06	132208-06A	132208-09	132208-08	132208-08A	132208-12	132208-10	132208-10A	132208-11	132208-11A	132208-14	132208-13	132208-13A	132208-15	132208-17	132208-16	132208-16A
Metals																												
Arsenic	mg/kg	0.4	**3.25**	-	-	**3.60**	-	-	**2.91**	-	-	-	-	**2.67**	-	-	**5.25**	-	-	-	-	**2.28**	-	-	**2.60**	**2.38**	-	-
Barium	mg/kg	5500	42.8	-	-	30.0	-	-	110 D M	-	-	-	-	24.5	-	-	31.5	-	-	-	-	31.4	-	-	38.6	37.3	-	-
Beryllium	mg/kg	0.15	**0.581 U**	-	-	**0.588 U**	-	-	**0.267 J**	-	-	-	-	**0.553 U**	-	-	**0.539 U**	-	-	-	-	**0.577 U**	-	-	**0.321 J**	**0.584 U**	-	-
Cadmium	mg/kg	78	0.529 J	-	-	0.577 J	-	-	0.432 J	-	-	-	-	0.454 J	-	-	0.563	-	-	-	-	0.357 J	-	-	0.533	0.455 J	-	-
Chromium (Hexavalent)	mg/kg	390	1.13 U	-	-	1.10 U	-	-	1.11 U	-	-	-	-	1.11 U	-	-	1.07 U	-	-	-	-	1.11 U	-	-	1.13 U	1.13 U	-	-
Chromium (Total)	mg/kg	n/v	8.16	-	-	10.9	-	-	7.39 D	-	-	-	-	6.85	-	-	9.92	-	-	-	-	8.30	-	-	8.94	10.9	-	-
Copper	mg/kg	n/v	41.2	-	-	24.0	-	-	25.0 D	-	-	-	-	18.6	-	-	24.4	-	-	-	-	15.8	-	-	44.9	24.1	-	-
Cyanide	mg/kg	1,600	0.6 U	-	-	0.55 U	-	-	0.943	-	-	-	-	0.55 U	-	-	0.53 U	-	-	-	-	2.20	-	-	4.70	8.60	-	-
Lead	mg/kg	400	93.1	-	-	33.1	-	-	29.3 D	-	-	-	-	26.7	-	-	31.2	-	-	-	-	12.0	-	-	36.9	31.2	-	-
Manganese	mg/kg	11,000	308	-	-	529	-	-	331 M	-	-	-	-	309	-	-	530	-	-	-	-	326	-	-	271	314	-	-
Mercury	mg/kg	23	0.106	-	-	0.0264	-	-	0.0172 J	-	-	-	-	0.0141 J	-	-	0.0351	-	-	-	-	0.0169 U	-	-	0.0127 J	0.0961	-	-
Nickel	mg/kg	1,600	8.01	-	-	8.70	-	-	6.87 D	-	-	-	-	7.95	-	-	7.73	-	-	-	-	6.68	-	-	8.81	7.39	-	-
Selenium	mg/kg	390	0.808 J	-	-	1.18 U	-	-	1.04 U	-	-	-	-	1.11 U	-	-	0.679 J	-	-	-	-	1.15 U	-	-	1.04 U	1.17 U	-	-
Silver	mg/kg	390	3.68	-	-	1.15 J	-	-	1.44 D	-	-	-	-	1.21	-	-	1.29	-	-	-	-	1.01 J	-	-	1.80	1.16 J	-	-
Zinc	mg/kg	23,000	92.2	-	-	57.7	-	-	74.2	-	-	-	-	67.0	-	-	50.1	-	-	-	-	37.7	-	-	51.2	52.7	-	-
Herbicides																												
2,4,5-TP (Silvex)	µg/kg	630,000	5.7 U	-	-	5.6 U	-	-	5.6 U	-	-	-	-	5.6 U	-	-	5.4 U	-	-	-	-	5.6 U	-	-	5.7 U	5.6 U	-	-
Pesticides																												
Aldrin	µg/kg	38	3.25 U	-	-	3.17 U	-	-	3.17 U	-	-	-	-	3.21 U	-	-	3.20 U	-	-	-	-	3.18 U	-	-	3.32 U	3.21 U	-	-
BHC, alpha-	µg/kg	100	3.25 U	-	-	3.17 U	-	-	1.94 J	-	-	-	-	3.21 U	-	-	3.20 U	-	-	-	-	3.18 U	-	-	3.32 U	3.21 U	-	-
BHC, beta-	µg/kg	360	3.25 U	-	-	3.17 U	-	-	3.17 U	-	-	-	-	3.21 U	-	-	3.20 U	-	-	-	-	3.18 U	-	-	3.32 U	3.21 U	-	-
BHC, delta-	µg/kg	n/v	3.25 U	-	-	3.17 U	-	-	3.17 U	-	-	-	-	3.21 U	-	-	3.20 U	-	-	-	-	3.18 U	-	-	3.32 U	3.21 U	-	-
Camphechlor (Toxaphene)	µg/kg	580	32.5 U	-	-	31.7 U	-	-	31.7 U	-	-	-	-	32.1 U	-	-	32.0 U	-	-	-	-	31.8 U	-	-	33.2 U	32.1 U	-	-
Chlordane, alpha-	µg/kg	n/v	3.25 U	-	-	3.17 U	-	-	3.17 U	-	-	-	-	3.21 U	-	-	3.20 U	-	-	-	-	3.18 U	-	-	3.32 U	3.21 U	-	-
Chlordane, trans-	µg/kg	n/v	3.25 U	-	-	3.17 U	-	-	3.17 U	-	-	-	-	3.21 U	-	-	3.20 U	-	-	-	-	3.18 U	-	-	3.32 U	3.21 U	-	-
DDD (p,p'-DDD)	µg/kg	2,700	3.25 U	-	-	3.17 U	-	-	3.17 U	-	-	-	-	3.21 U	-	-	3.20 U	-	-	-	-	3.18 U	-	-	3.32 U	3.21 U	-	-
DDE (p,p'-DDE)	µg/kg	1,900	3.25 U	-	-	3.17 U	-	-	3.17 U	-	-	-	-	3.21 U	-	-	3.20 U	-	-	-	-	3.18 U	-	-	3.32 U	3.21 U	-	-
DDT (p,p'-DDT)	µg/kg	1,900	3.39	-	-	5.05	-	-	2.09	-	-	-	-	2.31 J	-	-	3.20 U	-	-	-	-	3.18 U	-	-	3.41 J	3.21 U	-	-
Dieldrin	µg/kg	40	3.25 U	-	-	3.17 U	-	-	3.17 U	-	-	-	-	3.21 U	-	-	3.20 U	-	-	-	-	3.18 U	-	-	3.32 U	3.21 U	-	-
Endosulfan I	µg/kg	n/v	3.25 U	-	-	3.17 U	-	-	3.17 U	-	-	-	-	3.21 U	-	-	3.20 U	-	-	-	-	3.18 U	-	-	3.32 U	3.21 U	-	-
Endosulfan II	µg/kg	n/v	3.25 U	-	-	3.17 U	-	-	3.17 U	-	-	-	-	3.21 U	-	-	3.20 U	-	-	-	-	3.18 U	-	-	3.32 U	3.21 U	-	-
Endosulfan Sulfate	µg/kg	n/v	3.25 U	-	-	3.17 U	-	-	3.17 U	-	-	-	-	3.21 U	-	-	3.20 U	-	-	-	-	3.18 U	-	-	3.32 U	3.21 U	-	-
Endrin	µg/kg	23,000	3.25 U	-	-	3.17 U	-	-	3.17 U	-	-	-	-	3.21 U	-	-	3.20 U	-	-	-	-	3.18 U	-	-	3.32 U	3.21 U	-	-
Endrin Aldehyde	µg/kg	n/v	5.84	-	-	5.61 C	-	-	9.84	-	-	-	-	2.21 J	-	-	6.42 C	-	-	-	-	3.71	-	-	2.71	3.21 U	-	-
Endrin Ketone	µg/kg	n/v	3.25 U	-	-	3.17 U	-	-	3.17 U	-	-	-	-	3.21 U	-	-	3.20 U	-	-	-	-	3.18 U	-	-	3.32 U	3.21 U	-	-
Heptachlor	µg/kg	140	3.25 U	-	-	3.17 U	-	-	3.17 U	-	-	-	-	3.21 U	-	-	3.20 U	-	-	-	-	3.18 U	-	-	3.32 U	3.21 U	-	-
Heptachlor Epoxide	µg/kg	70	3.25 U	-	-	3.17 U	-	-	3.17 U	-	-	-	-	3.21 U	-	-	3.20 U	-	-	-	-	3.18 U	-	-	3.32 U	3.21 U	-	-
Lindane (Hexachlorocyclohexane, gamma)	µg/kg	490	3.25 U	-	-	3.17 U	-	-	3.17 U	-	-	-	-	3.21 U	-	-	3.20 U	-	-	-	-	3.18 U	-	-	3.32 U	3.21 U	-	-
Methoxychlor (4,4'-Methoxychlor)	µg/kg	390,000	3.25 U	-	-	3.17 U	-	-	3.17 U	-	-	-	-	3.21 U	-	-	3.20 U	-	-	-	-	3.18 U	-	-	3.32 U	3.21 U	-	-
Polychlorinated Biphenyls																												
Aroclor 1016	mg/kg	n/v	0.0325 U	-	-	0.0317 U	-	-	0.0317 U	-	-	-	-	0.0321 U	-	-	0.0320 U	-	-	-	-	0.0318 U	-	-	0.0332 U	0.0321 U	-	-
Aroclor 1221	mg/kg	n/v	0.0325 U	-	-	0.0317 U	-	-	0.0317 U	-	-	-	-	0.0321 U	-	-	0.0320 U	-	-	-	-	0.0318 U	-	-	0.0332 U	0.0321 U	-	-
Aroclor 1232	mg/kg	n/v	0.0325 U	-	-	0.0317 U	-	-	0.0317 U	-	-	-	-	0.0321 U	-	-	0.0320 U	-	-	-	-	0.0318 U	-	-	0.0332 U	0.0321 U	-	-
Aroclor 1242	mg/kg	n/v	0.0325 U	-	-	0.0317 U	-	-	0.0317 U	-	-	-	-	0.0321 U	-	-	0.0320 U	-	-	-	-	0.0318 U	-	-	0.0332 U	0.0321 U	-	-
Aroclor 1248	mg/kg	n/v	0.0325 U	-	-	0.0317 U	-	-	0.0317 U	-	-	-	-	0.0321 U	-	-	0.0320 U	-	-	-	-	0.0318 U	-	-	0.0332 U	0.0321 U	-	-
Aroclor 1254	mg/kg	n/v	0.0325 U	-	-	0.0317 U	-	-	0.0317 U	-	-	-	-	0.0321 U	-	-	0.0320 U	-	-	-	-	0.0318 U	-	-	0.0332 U	0.0321 U	-	-
Aroclor 1260	mg/kg	n/v	0.0325 U	-	-	0.0317 U	-	-	0.0317 U	-	-	-	-	0.0321 U	-	-	0.0250 J	-	-	-	-	0.0318 U	-	-	0.0332 U	0.0321 U	-	-
Aroclor 1262	mg/kg	n/v	0.0325 U	-	-	0.0317 U	-	-	0.0317 U	-	-	-	-	0.0321 U	-	-	0.0320 U	-	-	-	-	0.0318 U	-	-	0.0332 U	0.0321 U	-	-
Aroclor 1268	mg/kg	n/v	0.0325 U	-	-	0.0317 U	-	-	0.0317 U	-	-	-	-	0.0321 U	-	-	0.0265 J	-	-	-	-	0.0318 U	-	-	0.0332 U	0.0321 U	-	-
Semi - Volatile Organic Compounds																												
Acenaphthene	µg/kg	4,700,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Acenaphthylene	µg/kg	n/v	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Acetophenone	µg/kg	7,800,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Anthracene	µg/kg	23,000,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Atrazine	µg/kg	2,700,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Benzaldehyde	µg/kg	7,800,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Benzo(a)anthracene	µg/kg	900	200 J	-	-	318 U	-	-	167 J	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Benzo(a)pyrene	µg/kg	90	**170 J**	-	-	**318 U**	-	-	**316 U**	-	-	-	-	**321 U**	-	-	**319 U**	-	-	-	-	**321 U**	-	-	**331 U**	**326 U**	-	-
Benzo(b)fluoranthene	µg/kg	900	166 J	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Benzo(g,h,i)perylene	µg/kg	n/v	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-

See notes on last page

Table 2
Summary of Analytical Results in Soil
Stockpile Sampling
Brownfield Cleanup Program Site #C828184
Contained-In Demonstration
33 Litchfield Street, Rochester, New York

			Pile CID-1			Pile CID-2			Pile CID-3					Pile CID-4			Piles CID-5 and CID-7					Pile CID-6			Field Dup (Pile CID-9)	Pile CID-9		
Sample Location			LI-CID-P1c	LI-CID-P1g		LI-CID-P2c	LI-CID-P2g		LI-CID-P3c	LI-CID-P3g1		LI-CID-P3g2		LI-CID-P4c	LI-CID-P4g		LI-CID-P5c	LI-CID-P5g1		LI-CID-P5g2		LI-CID-P6c	LI-CID-P6g		LI-CID-P8c	LI-CID-P9c	LI-CID-P9g	
Sample Date			14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13
Sample ID			LI-CID-P1c	LI-CID-P1g	LI-CID-P1g	LI-CID-P2c	LI-CID-P2g	LI-CID-P2g	LI-CID-P3c	LI-CID-P3g1	LI-CID-P3g1	LI-CID-P3g2	LI-CID-P3g2	LI-CID-P4c	LI-CID-P4g	LI-CID-P4g	LI-CID-P5c	LI-CID-P5g1	LI-CID-P5g1	LI-CID-P5g2	LI-CID-P5g2	LI-CID-P6c	LI-CID-P6g	LI-CID-P6g	LI-CID-P8c	LI-CID-P9c	LI-CID-P9g	LI-CID-P9g
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208
Laboratory Sample ID	**Units**	**CIALs**	132208-02	132208-01	132208-01A	132208-04	132208-03	132208-03A	132208-07	132208-05	132208-05A	132208-06	132208-06A	132208-09	132208-08	132208-08A	132208-12	132208-10	132208-10A	132208-11	132208-11A	132208-14	132208-13	132208-13A	132208-15	132208-17	132208-16	132208-16A
Semi - Volatile Organic Compounds																												
Benzo(k)fluoranthene	µg/kg	9,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Biphenyl, 1,1'- (Biphenyl)	µg/kg	3,900,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Bis(2-Chloroethoxy)methane	µg/kg	n/v	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Bis(2-Chloroethyl)ether	µg/kg	580	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Bis(2-Chloroisopropyl)ether	µg/kg	9,100	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	46,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Bromophenyl Phenyl Ether, 4-	µg/kg	n/v	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Butyl Benzyl Phthalate	µg/kg	16,000,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Caprolactam	µg/kg	39,000,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Carbazole	µg/kg	32,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Chloro-3-methyl phenol, 4-	µg/kg	n/v	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Chloroaniline, 4-	µg/kg	18,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Chloronaphthalene, 2-	µg/kg	n/v	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Chlorophenol, 2- (ortho-Chlorophenol)	µg/kg	390,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Chlorophenyl Phenyl Ether, 4-	µg/kg	n/v	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Chrysene	µg/kg	88,000	199 J	-	-	318 U	-	-	199 J	-	-	-	-	321 U	-	-	174 J	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Cresol, m- (Methylphenol, 3-)	µg/kg	3,900,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Cresol, o- (Methylphenol, 2-)	µg/kg	3,900,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Dibenzo(a,h)anthracene	µg/kg	90	**322 U**	-	-	**318 U**	-	-	**316 U**	-	-	-	-	**321 U**	-	-	**319 U**	-	-	-	-	**321 U**	-	-	***331 U***	**326 U**	-	-
Dibenzofuran	µg/kg	n/v	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Dibutyl Phthalate (DBP)	µg/kg	7,800,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Dichlorobenzene, 1,2-	µg/kg	7,800,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Dichlorobenzene, 1,3-	µg/kg	n/v	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Dichlorobenzene, 1,4-	µg/kg	27,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Dichlorobenzidine, 3,3'-	µg/kg	1,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Dichlorophenol, 2,4-	µg/kg	230,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Diethyl Phthalate	µg/kg	63,000,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Dimethyl Phthalate	µg/kg	78,000,000	644 U	-	-	636 U	-	-	633 U	-	-	-	-	642 U	-	-	638 U	-	-	-	-	642 U	-	-	662 U	652 U	-	-
Dimethylphenol, 2,4-	µg/kg	1,600,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Dinitro-o-cresol, 4,6-	µg/kg	7,800	644 U	-	-	636 U	-	-	633 U	-	-	-	-	642 U	-	-	638 U	-	-	-	-	642 U	-	-	662 U	652 U	-	-
Dinitrophenol, 2,4-	µg/kg	160,000	644 U	-	-	636 U	-	-	633 U	-	-	-	-	642 U	-	-	638 U	-	-	-	-	642 U	-	-	662 U	652 U	-	-
Dinitrotoluene, 2,4-	µg/kg	940	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Dinitrotoluene, 2,6-	µg/kg	940	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Di-n-Octyl phthalate	µg/kg	1,600,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Fluoranthene	µg/kg	3,100,000	309 J	-	-	246 J	-	-	218 J	-	-	-	-	241 J	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Fluorene	µg/kg	3,100,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Hexachlorobenzene	µg/kg	400	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Hexachlorobutadiene (Heachloro-1,3-butadiene)	µg/kg	8,200	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Hexachlorocyclopentadiene	µg/kg	550,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Hexachloroethane	µg/kg	46,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Indeno(1,2,3-cd)pyrene	µg/kg	900	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Isophorone	µg/kg	670,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Methylnaphthalene, 2-	µg/kg	n/v	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Naphthalene	µg/kg	310,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Nitroaniline, 2-	µg/kg	n/v	644 U	-	-	636 U	-	-	633 U	-	-	-	-	642 U	-	-	638 U	-	-	-	-	642 U	-	-	662 U	652 U	-	-
Nitroaniline, 3-	µg/kg	n/v	644 U	-	-	636 U	-	-	633 U	-	-	-	-	642 U	-	-	638 U	-	-	-	-	642 U	-	-	662 U	652 U	-	-
Nitroaniline, 4-	µg/kg	n/v	644 U	-	-	636 U	-	-	633 U	-	-	-	-	642 U	-	-	638 U	-	-	-	-	642 U	-	-	662 U	652 U	-	-
Nitrobenzene	µg/kg	39,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Nitrophenol, 2-	µg/kg	n/v	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Nitrophenol, 4-	µg/kg	n/v	644 U	-	-	636 U	-	-	633 U	-	-	-	-	642 U	-	-	638 U	-	-	-	-	642 U	-	-	662 U	652 U	-	-
N-Nitrosodi-n-Propylamine	µg/kg	n/v	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
n-Nitrosodiphenylamine	µg/kg	130,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Pentachlorophenol	µg/kg	3,000	644 U	-	-	636 U	-	-	633 U	-	-	-	-	642 U	-	-	638 U	-	-	-	-	642 U	-	-	662 U	652 U	-	-
Phenanthrene	µg/kg	n/v	220 J	-	-	165 J	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Phenol	µg/kg	47,000,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Pyrene	µg/kg	2,300,000	341	-	-	241 J	-	-	241 J M	-	-	-	-	231 J	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	23,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Tetrachlorophenol, 2,3,4,6-	µg/kg	2,300,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Trichlorobenzene, 1,2,4-	µg/kg	780,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-
Trichlorophenol, 2,4,5-	µg/kg	7,800,000	644 U	-	-	636 U	-	-	633 U	-	-	-	-	642 U	-	-	638 U	-	-	-	-	642 U	-	-	662 U	652 U	-	-
Trichlorophenol, 2,4,6-	µg/kg	58,000	322 U	-	-	318 U	-	-	316 U	-	-	-	-	321 U	-	-	319 U	-	-	-	-	321 U	-	-	331 U	326 U	-	-

See notes on last page

Table 2
Summary of Analytical Results in Soil
Stockpile Sampling
Brownfield Cleanup Program Site #C828184
Contained-In Demonstration
33 Litchfield Street, Rochester, New York

			Pile CID-1			Pile CID-2			Pile CID-3					Pile CID-4			Piles CID-5 and CID-7					Pile CID-6			Field Dup (Pile CID-9)	Pile CID-9		
Sample Location			LI-CID-P1c	LI-CID-P1g		LI-CID-P2c	LI-CID-P2g		LI-CID-P3c	LI-CID-P3g1		LI-CID-P3g2		LI-CID-P4c	LI-CID-P4g		LI-CID-P5c	LI-CID-P5g1		LI-CID-P5g2		LI-CID-P6c	LI-CID-P6g		LI-CID-P8c	LI-CID-P9c	LI-CID-P9g	
Sample Date			14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13
Sample ID			LI-CID-P1c	LI-CID-P1g	LI-CID-P1g	LI-CID-P2c	LI-CID-P2g	LI-CID-P2g	LI-CID-P3c	LI-CID-P3g1	LI-CID-P3g1	LI-CID-P3g2	LI-CID-P3g2	LI-CID-P4c	LI-CID-P4g	LI-CID-P4g	LI-CID-P5c	LI-CID-P5g1	LI-CID-P5g1	LI-CID-P5g2	LI-CID-P5g2	LI-CID-P6c	LI-CID-P6g	LI-CID-P6g	LI-CID-P8c	LI-CID-P9c	LI-CID-P9g	LI-CID-P9g
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208
Laboratory Sample ID	**Units**	**CIALs**	132208-02	132208-01	132208-01A	132208-04	132208-03	132208-03A	132208-07	132208-05	132208-05A	132208-06	132208-06A	132208-09	132208-08	132208-08A	132208-12	132208-10	132208-10A	132208-11	132208-11A	132208-14	132208-13	132208-13A	132208-15	132208-17	132208-16	132208-16A
Volatile Organic Compounds																												
Acetone	µg/kg	7,800,000	-	30.5	-	-	30.1	-	-	18.6 J	-	18.3	-	-	52.8 J	-	-	18.5 J	-	37.0	-	-	17.8 U	-	-	-	19.8 U	-
Benzene	µg/kg	22,000	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Bromodichloromethane	µg/kg	10,000	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Bromoform (Tribromomethane)	µg/kg	81,000	-	9.73 U	-	-	9.28 U	-	-	10.7 U	-	8.92 U	-	-	26.9 U	-	-	9.85 U	-	11.3 U	-	-	8.91 U	-	-	-	9.90 U	-
Bromomethane (Methyl bromide)	µg/kg	110,000	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Butylbenzene, n-	µg/kg	n/v	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Butylbenzene, sec- (2-Phenylbutane)	µg/kg	n/v	-	3.89 U	-	-	8.84	-	-	4.27 U	-	5.93	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Butylbenzene, tert-	µg/kg	n/v	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Carbon Disulfide	µg/kg	7,800,000	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	4,900	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Chlorobenzene (Monochlorobenzene)	µg/kg	1,600,000	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Chlorobromomethane	µg/kg	n/v	-	9.73 U	-	-	9.28 U	-	-	10.7 U	-	8.92 U	-	-	26.9 U	-	-	9.85 U	-	11.3 U	-	-	8.91 U	-	-	-	9.90 U	-
Chloroethane (Ethyl Chloride)	µg/kg	49,000	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Chloroform (Trichloromethane)	µg/kg	100,000	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Chloromethane	µg/kg	n/v	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Cyclohexane	µg/kg	n/v	-	19.5 U	-	-	18.6 U	-	-	21.4 U	-	17.8 U	-	-	53.7 U	-	-	19.7 U	-	22.5 U	-	-	17.8 U	-	-	-	19.8 U	-
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/kg	29	-	19.5 U	-	-	18.6 U	-	-	21.4 U	-	17.8 U	-	-	**53.7 U**	-	-	19.7 U	-	22.5 U	-	-	17.8 U	-	-	-	19.8 U	-
Dibromochloromethane	µg/kg	7,600	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Dichlorobenzene, 1,2-	µg/kg	7,800,000	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Dichlorobenzene, 1,3-	µg/kg	n/v	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Dichlorobenzene, 1,4-	µg/kg	27,000	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Dichlorodifluoromethane (Freon 12)	µg/kg	16,000,000	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Dichloroethane, 1,1-	µg/kg	7,800,000	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Dichloroethane, 1,2-	µg/kg	7,000	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Dichloroethene, 1,1-	µg/kg	1,100	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Dichloroethylene, cis-1,2-	µg/kg	780,000	-	3.89 U	-	-	3.71 U	-	-	3.08 J	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	2.87 J	-	-	-	3.96 U	-
Dichloroethylene, trans-1,2-	µg/kg	1,600,000	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Dichloropropane, 1,2-	µg/kg	9,400	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Dichloropropene, cis-1,3-	µg/kg	n/v	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Dichloropropene, trans-1,3-	µg/kg	n/v	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Dioxane, 1,4-	µg/kg	58,000	-	38.9 U	-	-	37.1 U	-	-	42.7 U	-	35.7 U	-	-	107 U	-	-	39.4 U	-	45.0 U	-	-	35.6 U	-	-	-	39.6 U	-
Ethylbenzene	µg/kg	7,800,000	-	3.89 U	-	-	4.95	-	-	4.27 U	-	3.57 U	-	-	6.05 J	-	-	5.68	-	2.61 J	-	-	2.77 J	-	-	-	3.96 U	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	7.5	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	**10.7 U**	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/kg	n/v	-	9.73 U	-	-	9.28 U	-	-	10.7 U	-	8.92 U	-	-	26.9 U	-	-	9.85 U	-	11.3 U	-	-	8.91 U	-	-	-	9.90 U	-
Isopropylbenzene	µg/kg	3,100,000	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Isopropyltoluene, p- (Cymene)	µg/kg	n/v	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	6.58	-	-	10.7 U	-	-	3.94 U	-	6.29	-	-	26.0	-	-	-	3.96 U	-
Methyl Acetate	µg/kg	n/v	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Methyl Ethyl Ketone (MEK)	µg/kg	47,000,000	-	19.5 U	-	-	18.6 U	-	-	21.4 U	-	17.8 U	-	-	53.7 U	-	-	19.7 U	-	22.5 U	-	-	17.8 U	-	-	-	19.8 U	-
Methyl Isobutyl Ketone (MIBK)	µg/kg	6,300,000	-	9.73 U	-	-	9.28 U	-	-	10.7 U	-	8.92 U	-	-	26.9 U	-	-	9.85 U	-	11.3 U	-	-	8.91 U	-	-	-	9.90 U	-
Methyl tert-butyl ether (MTBE)	µg/kg	n/v	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Methylcyclohexane	µg/kg	n/v	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Methylene Chloride (Dichloromethane)	µg/kg	85,000	-	9.73 U	-	-	9.28 U	-	-	10.7 U	-	8.92 U	-	-	26.9 U	-	-	9.85 U	-	9.08 J	-	-	8.91 U	-	-	-	9.90 U	-
Naphthalene	µg/kg	310,000	-	9.73 U	-	-	9.28 U	-	-	10.7 U	-	8.92 U	-	-	26.9 U	-	-	9.85 U	-	11.3 U	-	-	8.91 U	-	-	-	9.90 U	-
Propylbenzene, n-	µg/kg	n/v	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Styrene	µg/kg	21,000	-	9.73 U	-	-	9.28 U	-	-	10.7 U	-	8.92 U	-	-	26.9 U	-	-	9.85 U	-	11.3 U	-	-	8.91 U	-	-	-	9.90 U	-
Tetrachloroethane, 1,1,2,2-	µg/kg	3,200	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Tetrachloroethylene (PCE)	µg/kg	12,000	-	18.6	-	-	69.6	-	-	4.27 U	-	3.57 U	-	-	272	-	-	24.6	-	409	-	-	4.34	-	-	-	8.98	-
Toluene	µg/kg	16,000,000	-	2.54 J	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	4.79	-	3.68 J	-	-	3.38 J	-	-	-	3.96 U	-
Trichlorobenzene, 1,2,3-	µg/kg	n/v	-	9.73 U	-	-	9.28 U	-	-	10.7 U	-	8.92 U	-	-	26.9 U	-	-	9.85 U	-	11.3 U	-	-	8.91 U	-	-	-	9.90 U	-
Trichlorobenzene, 1,2,4-	µg/kg	780,000	-	9.73 U	-	-	9.28 U	-	-	10.7 U	-	8.92 U	-	-	26.9 U	-	-	9.85 U	-	11.3 U	-	-	8.91 U	-	-	-	9.90 U	-
Trichloroethane, 1,1,1-	µg/kg	7,000,000	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Trichloroethane, 1,1,2-	µg/kg	11,000	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Trichloroethylene (TCE)	µg/kg	58,000	-	18.3	-	-	40.4	-	-	22.4	-	3.57 U	-	-	10.8	-	-	2.45 J	-	19.4	-	-	33.2	-	-	-	3.96 U	-
Trichlorofluoromethane (Freon 11)	µg/kg	23,000,000	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Trichlorotrifluoroethane (Freon 113)	µg/kg	230,000,000	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Trimethylbenzene, 1,2,4-	µg/kg	n/v	-	3.89 U	-	-	1.88 J	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	2.44 J	-	-	3.56 U	-	-	-	3.96 U	-
Trimethylbenzene, 1,3,5-	µg/kg	n/v	-	3.89 U	-	-	59.8	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	6.54	-	-	80.3	-	-	-	3.96 U	-
Vinyl chloride	µg/kg	340	-	3.89 U	-	-	3.71 U	-	-	4.27 U	-	3.57 U	-	-	10.7 U	-	-	3.94 U	-	4.50 U	-	-	3.56 U	-	-	-	3.96 U	-
Xylene, m & p-	µg/kg	160,000,000	-	3.89 U	-	-	8.71	-	-	2.16 J	-	3.07 J	-	-	17.7 B	-	-	16.2	-	6.80 B	-	-	8.50	-	-	-	3.96 U	-
Xylene, o-	µg/kg	160,000,000	-	3.89 U	-	-	9.25	-	-	4.27 U	-	3.57 U	-	-	8.99 J	-	-	8.16	-	3.62 J	-	-	4.77	-	-	-	3.96 U	-

See notes on last page

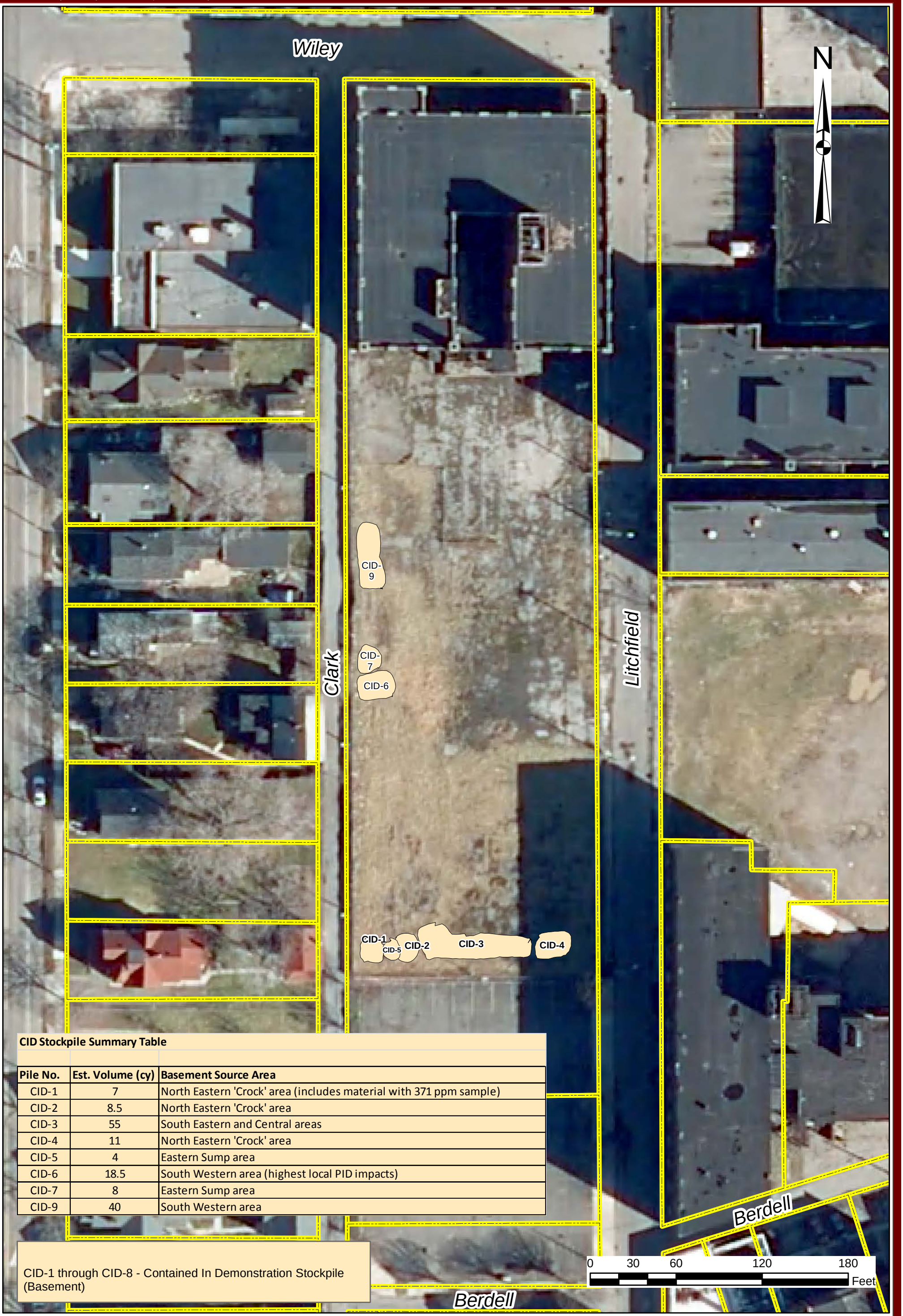
Table 2
Summary of Analytical Results in Soil
Stockpile Sampling
Brownfield Cleanup Program Site #C828184
Contained-In Demonstration
33 Litchfield Street, Rochester, New York

			Pile CID-1			Pile CID-2			Pile CID-3					Pile CID-4			Piles CID-5 and CID-7					Pile CID-6			Field Dup (Pile CID-9)	Pile CID-9		
Sample Location			LI-CID-P1c	LI-CID-P1g		LI-CID-P2c	LI-CID-P2g		LI-CID-P3c	LI-CID-P3g1		LI-CID-P3g2		LI-CID-P4c	LI-CID-P4g		LI-CID-P5c	LI-CID-P5g1		LI-CID-P5g2		LI-CID-P6c	LI-CID-P6g		LI-CID-P8c	LI-CID-P9c	LI-CID-P9g	
Sample Date			14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13	14-Jun-13
Sample ID			LI-CID-P1c	LI-CID-P1g	LI-CID-P1g	LI-CID-P2c	LI-CID-P2g	LI-CID-P2g	LI-CID-P3c	LI-CID-P3g1	LI-CID-P3g1	LI-CID-P3g2	LI-CID-P3g2	LI-CID-P4c	LI-CID-P4g	LI-CID-P4g	LI-CID-P5c	LI-CID-P5g1	LI-CID-P5g1	LI-CID-P5g2	LI-CID-P5g2	LI-CID-P6c	LI-CID-P6g	LI-CID-P6g	LI-CID-P8c	LI-CID-P9c	LI-CID-P9g	LI-CID-P9g
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208	132208
Laboratory Sample ID	**Units**	**CIALs**	132208-02	132208-01	132208-01A	132208-04	132208-03	132208-03A	132208-07	132208-05	132208-05A	132208-06	132208-06A	132208-09	132208-08	132208-08A	132208-12	132208-10	132208-10A	132208-11	132208-11A	132208-14	132208-13	132208-13A	132208-15	132208-17	132208-16	132208-16A
Volatile Organic Compounds, TCLP Analysis																												
Benzene	µg/L	0.7	-	-	**20.0 U**	-	-	**20.0 U**	-	-	**20.0 U**	-	**20.0 U**	-	-	**20.0 U**	-	-	**20.0 U**	-	**20.0 U**	-	-	**20.0 U**	-	-	-	**20.0 U**
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5	-	-	**20.0 U**	-	-	**20.0 U**	-	-	**20.0 U**	-	**20.0 U**	-	-	**20.0 U**	-	-	**20.0 U**	-	**20.0 U**	-	-	**20.0 U**	-	-	-	**20.0 U**
Chlorobenzene (Monochlorobenzene)	µg/L	5	-	-	**20.0 U**	-	-	**20.0 U**	-	-	**20.0 U**	-	**20.0 U**	-	-	**20.0 U**	-	-	**20.0 U**	-	**20.0 U**	-	-	**20.0 U**	-	-	-	**20.0 U**
Chloroform (Trichloromethane)	µg/L	7	-	-	**20.0 U**	-	-	**20.0 U**	-	-	**20.0 U**	-	**20.0 U**	-	-	**20.0 U**	-	-	**20.0 U**	-	**20.0 U**	-	-	**20.0 U**	-	-	-	**20.0 U**
Dichloroethane, 1,2-	µg/L	5	-	-	**20.0 U**	-	-	**20.0 U**	-	-	**20.0 U**	-	**20.0 U**	-	-	**20.0 U**	-	-	**20.0 U**	-	**20.0 U**	-	-	**20.0 U**	-	-	-	**20.0 U**
Dichloroethene, 1,1-	µg/L	5	-	-	**20.0 U**	-	-	**20.0 U**	-	-	**20.0 U**	-	**20.0 U**	-	-	**20.0 U**	-	-	**20.0 U**	-	**20.0 U**	-	-	**20.0 U**	-	-	-	**20.0 U**
Methyl Ethyl Ketone (MEK)	µg/L	50	-	-	**100 U**	-	-	**100 U**	-	-	**100 U**	-	**100 U**	-	-	**100 U**	-	-	**100 U**	-	**100 U**	-	-	**100 U**	-	-	-	**100 U**
Tetrachloroethylene (PCE)	µg/L	5	-	-	**20.0 U**	-	-	**20.0 U**	-	-	**20.0 U**	-	**20.0 U**	-	-	**20.0 U**	-	-	**20.0 U**	-	**20.0 U**	-	-	**20.0 U**	-	-	-	**20.0 U**
Trichloroethylene (TCE)	µg/L	5	-	-	**20.0 U**	-	-	**20.0 U**	-	-	**20.0 U**	-	**20.0 U**	-	-	**20.0 U**	-	-	**20.0 U**	-	**20.0 U**	-	-	**20.0 U**	-	-	-	**20.0 U**
Vinyl chloride	µg/L	2	-	-	**20.0 U**	-	-	**20.0 U**	-	-	**20.0 U**	-	**20.0 U**	-	-	**20.0 U**	-	-	**20.0 U**	-	**20.0 U**	-	-	**20.0 U**	-	-	-	**20.0 U**

Notes & Abbreviations:

CIAL NYSDEC Contained-In Soil/Sediment Action Level (TAGM 3028, updated August 4, 1997).
c Sample location identifier: composite sample
g Sample location identifier: grab sample
18.6 Compound was detected but concentration did not exceed CIAL.
3.25 Concentration exceeds CIAL.
20.0 U Laboratory estimated quantitation limit exceeded CIAL standard.
3.89 U The analyte was not detected above the laboratory estimated quantitation limit.
n/v No standard/guideline value.
- Parameter not analyzed / not available.
B Indicates analyte was found in associated blank, as well as in the sample.
C Analyte quantified by quadratic equation type calibration.
D Indicates reanalysis of sample with additional dilution to address exceedance of instrument calibration range.
J Indicates estimated value.
M Denotes matrix spike recoveries outside QC limits. Matrix bias indicated.

FIGURE



CID Stockpile Summary Table

Pile No.	Est. Volume (cy)	Basement Source Area
CID-1	7	North Eastern 'Crock' area (includes material with 371 ppm sample)
CID-2	8.5	North Eastern 'Crock' area
CID-3	55	South Eastern and Central areas
CID-4	11	North Eastern 'Crock' area
CID-5	4	Eastern Sump area
CID-6	18.5	South Western area (highest local PID impacts)
CID-7	8	Eastern Sump area
CID-9	40	South Western area

CID-1 through CID-8 - Contained In Demonstration Stockpile (Basement)

Geographic Information Systems

Cartographic Design By: Andy Less

Document Path: U:\190500751\drawing\CAD\Basement Excavation\GIS-GPS data\GIS\Figure Soil Pile ID2.mxd

Stantec Consulting
61 Commercial Street
Rochester, NY 14614
Phone 585.475.1440 Fax 585.272.1814
www.stantec.com

N

Figure 1

Carriage Factory
CID Soil Pile Indentification

ATTACHMENT 1

Analytical Laboratory Report

H 2 M labs

575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected : 6/14/2013 1:55:00 PM
Received : 6/18/2013 12:20:00 PM
Collected By : CLIENT

132208-02

Lab No. : 1306A12-001
Client Sample ID: LI-CID-P1C

Sample Information:
Type : Soil

Origin:

Analytical Method: SW9014 :		Prep Method: SW9010C			Prep Date: 6/19/2013 10:10:00 AM	Analyst: HT
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Cyanide	< 0.6		1	mg/Kg-dry	06/19/2013 2:17 PM	Container-01 of 01

Analytical Method: SW7196 :		Prep Method: SW3060			Prep Date: 6/24/2013 11:00:00 AM	Analyst: CO
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Chromium, Hexavalent	< 1.13		1	mg/Kg-dry	06/25/2013	Container-01 of 01

Analytical Method: D2216 :						Analyst: MLM
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	12.5		1	wt%	06/20/2013 9:54 AM	Container-01 of 01

Qualifiers:
E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Test results meet the requirements of NELAC unless otherwise noted.

Preliminary

Date Reported :

H 2 M labs

575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected : 6/14/2013 2:00:00 PM
Received : 6/18/2013 12:20:00 PM
Collected By : CLIENT

Lab No. : 1306A12-002
Client Sample ID: LI-CID-P2C

132208-04

Sample Information:
Type : Soil

Origin:

Analytical Method: SW9014 :		Prep Method: SW9010C			Prep Date: 6/19/2013 10:10:00 AM	Analyst: HT
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Cyanide	< 0.55		1	mg/Kg-dry	06/19/2013 2:18 PM	Container-01 of 01

Analytical Method: SW7196 :		Prep Method: SW3060			Prep Date: 6/24/2013 11:00:00 AM	Analyst: CO
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Chromium, Hexavalent	< 1.10		1	mg/Kg-dry	06/25/2013	Container-01 of 01

Analytical Method: D2216 :						Analyst: MLM
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	10.6		1	wt%	06/20/2013 9:55 AM	Container-01 of 01

Qualifiers:
E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

H 2 M labs

575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected : 6/14/2013 2:20:00 PM
Received : 6/18/2013 12:20:00 PM
Collected By : CLIENT

Lab No. : 1306A12-003
Client Sample ID: LI-CID-P3C

132208-07

Sample Information:
Type : Soil

Origin:

Analytical Method: SW9014 :		Prep Method: SW9010C			Prep Date: 6/19/2013 10:10:00 AM	Analyst: HT
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Cyanide	0.943		1	mg/Kg-dry	06/19/2013 2:19 PM	Container-01 of 02
Analytical Method: SW7196 :		Prep Method: SW3060			Prep Date: 6/24/2013 11:00:00 AM	Analyst: CO
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Chromium, Hexavalent	< 1.11		1	mg/Kg-dry	06/25/2013	Container-01 of 02
Analytical Method: D2216 :						Analyst: MLM
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	10.5		1	wt%	06/20/2013 9:55 AM	Container-01 of 02

Qualifiers:
E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

H 2 M labs

575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected : 6/14/2013 2:45:00 PM
Received : 6/18/2013 12:20:00 PM
Collected By : CLIENT

132208-09

Lab No. : 1306A12-004
Client Sample ID: LI-CID-P4C

Sample Information:
Type : Soil

Origin:

Analytical Method: SW9014 :		Prep Method: SW9010C			Prep Date: 6/19/2013 10:10:00 AM	Analyst: HT
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Cyanide	< 0.55		1	mg/Kg-dry	06/19/2013 2:22 PM	Container-01 of 01

Analytical Method: SW7196 :		Prep Method: SW3060			Prep Date: 6/24/2013 11:00:00 AM	Analyst: CO
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Chromium, Hexavalent	< 1.11		1	mg/Kg-dry	06/25/2013	Container-01 of 01

Analytical Method: D2216 :						Analyst: MLM
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	10.7		1	wt%	06/20/2013 9:57 AM	Container-01 of 01

Qualifiers:
E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Test results meet the requirements of NELAC unless otherwise noted.

Preliminary

Date Reported :

H 2 M labs

575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected : 6/14/2013 3:00:00 PM
Received : 6/18/2013 12:20:00 PM
Collected By : CLIENT

132208-12

Lab No. : 1306A12-005
Client Sample ID: LI-CID-P5C

Sample Information:
Type : Soil

Origin:

Analytical Method: SW9014 :		Prep Method: SW9010C			Prep Date: 6/19/2013 10:10:00 AM	Analyst: HT
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Cyanide	< 0.53		1	mg/Kg-dry	06/19/2013 2:23 PM	Container-01 of 01

Analytical Method: SW7196 :		Prep Method: SW3060			Prep Date: 6/24/2013 11:00:00 AM	Analyst: CO
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Chromium, Hexavalent	< 1.07		1	mg/Kg-dry	06/25/2013	Container-01 of 01

Analytical Method: D2216 :						Analyst: MLM
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	7.1		1	wt%	06/20/2013 9:57 AM	Container-01 of 01

Qualifiers:
E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

H 2 M labs

575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected : 6/14/2013 3:15:00 PM
Received : 6/18/2013 12:20:00 PM
Collected By : CLIENT

Lab No. : 1306A12-006
Client Sample ID: LI-CID-P6C

132208-14

Sample Information:
Type : Soil

Origin:

Analytical Method: SW9014 :		Prep Method: SW9010C			Prep Date: 6/19/2013 10:10:00 AM	Analyst: HT
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Cyanide	2.2		1	mg/Kg-dry	06/19/2013 2:24 PM	Container-01 of 01
Analytical Method: SW7196 :		Prep Method: SW3060			Prep Date: 6/24/2013 11:00:00 AM	Analyst: CO
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Chromium, Hexavalent	< 1.11		1	mg/Kg-dry	06/25/2013	Container-01 of 01
Analytical Method: D2216 :						Analyst: MLM
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	10.8		1	wt%	06/20/2013 9:58 AM	Container-01 of 01

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

H 2 M labs

575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected : 6/14/2013 3:20:00 PM
Received : 6/18/2013 12:20:00 PM
Collected By : CLIENT

132208-15

Lab No. : 1306A12-007
Client Sample ID: LI-CID-P8C

Sample Information:
Type : Soil

Origin:

Analytical Method: SW9014 :		Prep Method: SW9010C			Prep Date: 6/19/2013 10:10:00 AM	Analyst: HT
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Cyanide	4.7		1	mg/Kg-dry	06/19/2013 2:27 PM	Container-01 of 01
Analytical Method: SW7196 :		**Prep Method: SW3060**			**Prep Date: 6/24/2013 11:00:00 AM**	**Analyst: CO**
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Chromium, Hexavalent	< 1.13		1	mg/Kg-dry	06/25/2013	Container-01 of 01
Analytical Method: D2216 :						**Analyst: MLM**
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	12.8		1	wt%	06/20/2013 9:58 AM	Container-01 of 01

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

H 2 M labs

575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected : 6/14/2013 3:30:00 PM
Received : 6/18/2013 12:20:00 PM
Collected By : CLIENT

Lab No. : 1306A12-008
Client Sample ID: LI-CID-P9C

132208-17

Sample Information:
Type : Soil

Origin:

Analytical Method: SW9014 :		Prep Method: SW9010C			Prep Date: 6/19/2013 10:10:00 AM	Analyst: HT
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Cyanide	8.6		1	mg/Kg-dry	06/19/2013 2:28 PM	Container-01 of 01
Analytical Method: SW7196 :		Prep Method: SW3060			Prep Date: 6/24/2013 11:00:00 AM	Analyst: CO
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Chromium, Hexavalent	< 1.13		1	mg/Kg-dry	06/25/2013	Container-01 of 01
Analytical Method: D2216 :						Analyst: MLM
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	11.9		1	wt%	06/20/2013 9:59 AM	Container-01 of 01

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

1E

EPA SAMPLE NO.

LI-CID-P1C

HERBICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: PAR SAS No.: _____ SDG No.: PAR054

Matrix: (soil/water) SOIL Lab Sample ID: 1306A12-001A

Sample wt/vol: 25.22 (g/mL) g Lab File ID: A00603.raw

% Moisture: 13 Decanted: (Y/N) N Date Received: 06/18/13

Extraction: (Type) Shake/SEPF Date Extracted: 06/19/13

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/20/13

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.7	U

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LI-CID-P2C

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: PAR SAS No.: _____ SDG No.: PAR054

Matrix: (soil/water) SOIL Lab Sample ID: 1306A12-002A

Sample wt/vol: 25.04 (g/mL) g Lab File ID: A00604.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 06/18/13

Extraction: (Type) Shake/SEPF Date Extracted: 06/19/13

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/20/13

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.6	U

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LI-CID-P3C

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: PAR SAS No.: _____ SDG No.: PAR054

Matrix: (soil/water) SOIL Lab Sample ID: 1306A12-003A

Sample wt/vol: 25.09 (g/mL) g Lab File ID: A00605.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 06/18/13

Extraction: (Type) Shake/SEPF Date Extracted: 06/19/13

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/20/13

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.6	U

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LI-CID-P4C

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: PAR SAS No.: _____ SDG No.: PAR054

Matrix: (soil/water) SOIL Lab Sample ID: 1306A12-004A

Sample wt/vol: 25.04 (g/mL) g Lab File ID: A00608.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 06/18/13

Extraction: (Type) Shake/SEPF Date Extracted: 06/19/13

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/20/13

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.6	U

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LI-CID-P5C

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: PAR SAS No.: _____ SDG No.: PAR054

Matrix: (soil/water) SOIL Lab Sample ID: 1306A12-005A

Sample wt/vol: 25.06 (g/mL) g Lab File ID: A00609.raw

% Moisture: 7.1 Decanted: (Y/N) N Date Received: 06/18/13

Extraction: (Type) Shake/SEPF Date Extracted: 06/19/13

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/20/13

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.4	U

1E

EPA SAMPLE NO.

HERBICIDE ORGANICS ANALYSIS DATA SHEET

LI-CID-P6C

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: PAR SAS No.: _____ SDG No.: PAR054

Matrix: (soil/water) SOIL Lab Sample ID: 1306A12-006A

Sample wt/vol: 25.17 (g/mL) g Lab File ID: A00610.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 06/18/13

Extraction: (Type) Shake/SEPF Date Extracted: 06/19/13

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/20/13

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.6	U

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LI-CID-P8C

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: PAR SAS No.: _____ SDG No.: PAR054

Matrix: (soil/water) SOIL Lab Sample ID: 1306A12-007A

Sample wt/vol: 25.13 (g/mL) g Lab File ID: A00611.raw

% Moisture: 13 Decanted: (Y/N) N Date Received: 06/18/13

Extraction: (Type) Shake/SEPF Date Extracted: 06/19/13

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/20/13

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.7	U

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LI-CID-P9C

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: PAR SAS No.: _____ SDG No.: PAR054

Matrix: (soil/water) SOIL Lab Sample ID: 1306A12-008A

Sample wt/vol: 25.14 (g/mL) g Lab File ID: A00612.raw

% Moisture: 12 Decanted: (Y/N) N Date Received: 06/18/13

Extraction: (Type) Shake/SEPF Date Extracted: 06/19/13

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/20/13

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.6	U

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P1g
Lab Sample ID: 132208-01 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 3.89	ug/Kg		6/20/2013
1,1,2,2-Tetrachloroethane	< 3.89	ug/Kg		6/20/2013
1,1,2-Trichloroethane	< 3.89	ug/Kg		6/20/2013
1,1-Dichloroethane	< 3.89	ug/Kg		6/20/2013
1,1-Dichloroethene	< 3.89	ug/Kg		6/20/2013
1,2,3-Trichlorobenzene	< 9.73	ug/Kg		6/20/2013
1,2,4-Trichlorobenzene	< 9.73	ug/Kg		6/20/2013
1,2,4-Trimethylbenzene	< 3.89	ug/Kg		6/20/2013
1,2-Dibromo-3-Chloropropane	< 19.5	ug/Kg		6/20/2013
1,2-Dibromoethane	< 3.89	ug/Kg		6/20/2013
1,2-Dichlorobenzene	< 3.89	ug/Kg		6/20/2013
1,2-Dichloroethane	< 3.89	ug/Kg		6/20/2013
1,2-Dichloropropane	< 3.89	ug/Kg		6/20/2013
1,3,5-Trimethylbenzene	< 3.89	ug/Kg		6/20/2013
1,3-Dichlorobenzene	< 3.89	ug/Kg		6/20/2013
1,4-Dichlorobenzene	< 3.89	ug/Kg		6/20/2013
1,4-dioxane	< 38.9	ug/Kg		6/20/2013
2-Butanone	< 19.5	ug/Kg		6/20/2013
2-Hexanone	< 9.73	ug/Kg		6/20/2013
4-Methyl-2-pentanone	< 9.73	ug/Kg		6/20/2013
Acetone	**30.5**	ug/Kg		6/20/2013
Benzene	< 3.89	ug/Kg		6/20/2013
Bromochloromethane	< 9.73	ug/Kg		6/20/2013
Bromodichloromethane	< 3.89	ug/Kg		6/20/2013
Bromoform	< 9.73	ug/Kg		6/20/2013
Bromomethane	< 3.89	ug/Kg		6/20/2013
Carbon disulfide	< 3.89	ug/Kg		6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P1g
Lab Sample ID: 132208-01 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Carbon Tetrachloride	< 3.89	ug/Kg		6/20/2013
Chlorobenzene	< 3.89	ug/Kg		6/20/2013
Chloroethane	< 3.89	ug/Kg		6/20/2013
Chloroform	< 3.89	ug/Kg		6/20/2013
Chloromethane	< 3.89	ug/Kg		6/20/2013
cis-1,2-Dichloroethene	< 3.89	ug/Kg		6/20/2013
cis-1,3-Dichloropropene	< 3.89	ug/Kg		6/20/2013
Cyclohexane	< 19.5	ug/Kg		6/20/2013
Dibromochloromethane	< 3.89	ug/Kg		6/20/2013
Dichlorodifluoromethane	< 3.89	ug/Kg		6/20/2013
Ethylbenzene	< 3.89	ug/Kg		6/20/2013
Freon 113	< 3.89	ug/Kg		6/20/2013
Isopropylbenzene	< 3.89	ug/Kg		6/20/2013
m,p-Xylene	< 3.89	ug/Kg		6/20/2013
Methyl acetate	< 3.89	ug/Kg		6/20/2013
Methyl tert-butyl Ether	< 3.89	ug/Kg		6/20/2013
Methylcyclohexane	< 3.89	ug/Kg		6/20/2013
Methylene chloride	< 9.73	ug/Kg		6/20/2013
Naphthalene	< 9.73	ug/Kg		6/20/2013
n-Butylbenzene	< 3.89	ug/Kg		6/20/2013
n-Propylbenzene	< 3.89	ug/Kg		6/20/2013
o-Xylene	< 3.89	ug/Kg		6/20/2013
p-Isopropyltoluene	< 3.89	ug/Kg		6/20/2013
sec-Butylbenzene	< 3.89	ug/Kg		6/20/2013
Styrene	< 9.73	ug/Kg		6/20/2013
tert-Butylbenzene	< 3.89	ug/Kg		6/20/2013
Tetrachloroethene	**18.6**	ug/Kg		6/20/2013
Toluene	**2.54**	ug/Kg	J	6/20/2013
trans-1,2-Dichloroethene	< 3.89	ug/Kg		6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P1g

Lab Sample ID: 132208-01 **Date Sampled:** 6/14/2013

Matrix: Soil **Date Received:** 6/17/2013

trans-1,3-Dichloropropene	< 3.89	ug/Kg	6/20/2013
Trichloroethene	**18.3**	ug/Kg	6/20/2013
Trichlorofluoromethane	< 3.89	ug/Kg	6/20/2013
Vinyl chloride	< 3.89	ug/Kg	6/20/2013

Method Reference(s): EPA 8260B
EPA 5035

Data File: X06195.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P1c
Lab Sample ID: 132208-02 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.106**	mg/Kg		6/19/2013

Method Reference(s): EPA 7471B
Data File: hg130619a

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Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P1c
Lab Sample ID: 132208-02 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**3.25**	mg/Kg		6/23/2013
Barium	**42.8**	mg/Kg		6/23/2013
Beryllium	< 0.581	mg/Kg		6/23/2013
Cadmium	**0.529**	mg/Kg	J	6/23/2013
Chromium	**8.16**	mg/Kg		6/24/2013
Copper	**41.2**	mg/Kg		6/23/2013
Lead (Axial)	**93.1**	mg/Kg		6/24/2013
Manganese	**308**	mg/Kg		6/23/2013
Nickel	**8.01**	mg/Kg		6/23/2013
Selenium	**0.808**	mg/Kg	J	6/23/2013
Silver	**3.68**	mg/Kg		6/23/2013
Zinc	**92.2**	mg/Kg		6/23/2013

Method Reference(s): EPA 6010C
EPA 3050
Data File: 062313a

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P1c
Lab Sample ID: 132208-02 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0325	mg/Kg		6/24/2013
PCB-1221	< 0.0325	mg/Kg		6/24/2013
PCB-1232	< 0.0325	mg/Kg		6/24/2013
PCB-1242	< 0.0325	mg/Kg		6/24/2013
PCB-1248	< 0.0325	mg/Kg		6/24/2013
PCB-1254	< 0.0325	mg/Kg		6/24/2013
PCB-1260	< 0.0325	mg/Kg		6/24/2013
PCB-1262	< 0.0325	mg/Kg		6/24/2013
PCB-1268	< 0.0325	mg/Kg		6/24/2013

Method Reference(s): EPA 8082A
EPA 3550C

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P1c
Lab Sample ID: 132208-02
Matrix: Soil

Date Sampled: 6/14/2013
Date Received: 6/17/2013

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	< 3.25	ug/Kg		6/19/2013
4,4-DDE	< 3.25	ug/Kg		6/19/2013
4,4-DDT	**3.39**	ug/Kg		6/19/2013
Aldrin	< 3.25	ug/Kg		6/19/2013
alpha-BHC	< 3.25	ug/Kg		6/19/2013
beta-BHC	< 3.25	ug/Kg		6/19/2013
cis-Chlordane	< 3.25	ug/Kg		6/19/2013
delta-BHC	< 3.25	ug/Kg		6/19/2013
Dieldrin	< 3.25	ug/Kg		6/19/2013
Endosulfan I	< 3.25	ug/Kg		6/19/2013
Endosulfan II	< 3.25	ug/Kg		6/19/2013
Endosulfan Sulfate	< 3.25	ug/Kg		6/19/2013
Endrin	< 3.25	ug/Kg		6/19/2013
Endrin Aldehyde	**5.84**	ug/Kg		6/19/2013
Endrin Ketone	< 3.25	ug/Kg		6/19/2013
gamma-BHC (Lindane)	< 3.25	ug/Kg		6/19/2013
Heptachlor	< 3.25	ug/Kg		6/19/2013
Heptachlor Epoxide	< 3.25	ug/Kg		6/19/2013
Methoxychlor	< 3.25	ug/Kg		6/19/2013
Toxaphene	< 32.5	ug/Kg		6/19/2013
trans-Chlordane	< 3.25	ug/Kg		6/19/2013

Method Reference(s): EPA 8081B
EPA 3550C

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P1c
Lab Sample ID: 132208-02 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 322	ug/Kg		6/19/2013
1,2,4,5-Tetrachlorobenzene	< 322	ug/Kg		6/19/2013
1,2,4-Trichlorobenzene	< 322	ug/Kg		6/19/2013
1,2-Dichlorobenzene	< 322	ug/Kg		6/19/2013
1,3-Dichlorobenzene	< 322	ug/Kg		6/19/2013
1,4-Dichlorobenzene	< 322	ug/Kg		6/19/2013
2,3,4,6-Tetrachlorophenol	< 322	ug/Kg		6/19/2013
2,4,5-Trichlorophenol	< 644	ug/Kg		6/19/2013
2,4,6-Trichlorophenol	< 322	ug/Kg		6/19/2013
2,4-Dichlorophenol	< 322	ug/Kg		6/19/2013
2,4-Dimethylphenol	< 322	ug/Kg		6/19/2013
2,4-Dinitrophenol	< 644	ug/Kg		6/19/2013
2,4-Dinitrotoluene	< 322	ug/Kg		6/19/2013
2,6-Dinitrotoluene	< 322	ug/Kg		6/19/2013
2-Chloronaphthalene	< 322	ug/Kg		6/19/2013
2-Chlorophenol	< 322	ug/Kg		6/19/2013
2-Methylnapthalene	< 322	ug/Kg		6/19/2013
2-Methylphenol	< 322	ug/Kg		6/19/2013
2-Nitroaniline	< 644	ug/Kg		6/19/2013
2-Nitrophenol	< 322	ug/Kg		6/19/2013
3&4-Methylphenol	< 322	ug/Kg		6/19/2013
3,3'-Dichlorobenzidine	< 322	ug/Kg		6/19/2013
3-Nitroaniline	< 644	ug/Kg		6/19/2013
4,6-Dinitro-2-methylphenol	< 644	ug/Kg		6/19/2013
4-Bromophenyl phenyl ether	< 322	ug/Kg		6/19/2013
4-Chloro-3-methylphenol	< 322	ug/Kg		6/19/2013
4-Chloroaniline	< 322	ug/Kg		6/19/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P1c
Lab Sample ID: 132208-02 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

4-Chlorophenyl phenyl ether	< 322	ug/Kg		6/19/2013
4-Nitroaniline	< 644	ug/Kg		6/19/2013
4-Nitrophenol	< 644	ug/Kg		6/19/2013
Acenaphthene	< 322	ug/Kg		6/19/2013
Acenaphthylene	< 322	ug/Kg		6/19/2013
Acetophenone	< 322	ug/Kg		6/19/2013
Anthracene	< 322	ug/Kg		6/19/2013
Atrazine	< 322	ug/Kg		6/19/2013
Benzaldehyde	< 322	ug/Kg		6/19/2013
Benzo (a) anthracene	**200**	ug/Kg	J	6/19/2013
Benzo (a) pyrene	**170**	ug/Kg	J	6/19/2013
Benzo (b) fluoranthene	**166**	ug/Kg	J	6/19/2013
Benzo (g,h,i) perylene	< 322	ug/Kg		6/19/2013
Benzo (k) fluoranthene	< 322	ug/Kg		6/19/2013
Bis (2-chloroethoxy) methane	< 322	ug/Kg		6/19/2013
Bis (2-chloroethyl) ether	< 322	ug/Kg		6/19/2013
Bis (2-chloroisopropyl) ether	< 322	ug/Kg		6/19/2013
Bis (2-ethylhexyl) phthalate	< 322	ug/Kg		6/19/2013
Butylbenzylphthalate	< 322	ug/Kg		6/19/2013
Caprolactam	< 322	ug/Kg		6/19/2013
Carbazole	< 322	ug/Kg		6/19/2013
Chrysene	**199**	ug/Kg	J	6/19/2013
Dibenz (a,h) anthracene	< 322	ug/Kg		6/19/2013
Dibenzofuran	< 322	ug/Kg		6/19/2013
Diethyl phthalate	< 322	ug/Kg		6/19/2013
Dimethyl phthalate	< 644	ug/Kg		6/19/2013
Di-n-butyl phthalate	< 322	ug/Kg		6/19/2013
Di-n-octylphthalate	< 322	ug/Kg		6/19/2013
Fluoranthene	**309**	ug/Kg	J	6/19/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P1c
Lab Sample ID: 132208-02 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Fluorene	< 322	ug/Kg		6/19/2013
Hexachlorobenzene	< 322	ug/Kg		6/19/2013
Hexachlorobutadiene	< 322	ug/Kg		6/19/2013
Hexachlorocyclopentadiene	< 322	ug/Kg		6/19/2013
Hexachloroethane	< 322	ug/Kg		6/19/2013
Indeno (1,2,3-cd) pyrene	< 322	ug/Kg		6/19/2013
Isophorone	< 322	ug/Kg		6/19/2013
Naphthalene	< 322	ug/Kg		6/19/2013
Nitrobenzene	< 322	ug/Kg		6/19/2013
N-Nitroso-di-n-propylamine	< 322	ug/Kg		6/19/2013
N-Nitrosodiphenylamine	< 322	ug/Kg		6/19/2013
Pentachlorophenol	< 644	ug/Kg		6/19/2013
Phenanthrene	**220**	ug/Kg	J	6/19/2013
Phenol	< 322	ug/Kg		6/19/2013
Pyrene	**341**	ug/Kg		6/19/2013

Method Reference(s): EPA 8270C
EPA 3550C
Data File: S70409.D

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Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P2g
Lab Sample ID: 132208-03 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 3.71	ug/Kg		6/20/2013
1,1,2,2-Tetrachloroethane	< 3.71	ug/Kg		6/20/2013
1,1,2-Trichloroethane	< 3.71	ug/Kg		6/20/2013
1,1-Dichloroethane	< 3.71	ug/Kg		6/20/2013
1,1-Dichloroethene	< 3.71	ug/Kg		6/20/2013
1,2,3-Trichlorobenzene	< 9.28	ug/Kg		6/20/2013
1,2,4-Trichlorobenzene	< 9.28	ug/Kg		6/20/2013
1,2,4-Trimethylbenzene	**1.88**	ug/Kg	J	6/20/2013
1,2-Dibromo-3-Chloropropane	< 18.6	ug/Kg		6/20/2013
1,2-Dibromoethane	< 3.71	ug/Kg		6/20/2013
1,2-Dichlorobenzene	< 3.71	ug/Kg		6/20/2013
1,2-Dichloroethane	< 3.71	ug/Kg		6/20/2013
1,2-Dichloropropane	< 3.71	ug/Kg		6/20/2013
1,3,5-Trimethylbenzene	**59.8**	ug/Kg		6/20/2013
1,3-Dichlorobenzene	< 3.71	ug/Kg		6/20/2013
1,4-Dichlorobenzene	< 3.71	ug/Kg		6/20/2013
1,4-dioxane	< 37.1	ug/Kg		6/20/2013
2-Butanone	< 18.6	ug/Kg		6/20/2013
2-Hexanone	< 9.28	ug/Kg		6/20/2013
4-Methyl-2-pentanone	< 9.28	ug/Kg		6/20/2013
Acetone	**30.1**	ug/Kg		6/20/2013
Benzene	< 3.71	ug/Kg		6/20/2013
Bromochloromethane	< 9.28	ug/Kg		6/20/2013
Bromodichloromethane	< 3.71	ug/Kg		6/20/2013
Bromoform	< 9.28	ug/Kg		6/20/2013
Bromomethane	< 3.71	ug/Kg		6/20/2013
Carbon disulfide	< 3.71	ug/Kg		6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P2g
Lab Sample ID: 132208-03 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Carbon Tetrachloride	< 3.71	ug/Kg	6/20/2013
Chlorobenzene	< 3.71	ug/Kg	6/20/2013
Chloroethane	< 3.71	ug/Kg	6/20/2013
Chloroform	< 3.71	ug/Kg	6/20/2013
Chloromethane	< 3.71	ug/Kg	6/20/2013
cis-1,2-Dichloroethene	< 3.71	ug/Kg	6/20/2013
cis-1,3-Dichloropropene	< 3.71	ug/Kg	6/20/2013
Cyclohexane	< 18.6	ug/Kg	6/20/2013
Dibromochloromethane	< 3.71	ug/Kg	6/20/2013
Dichlorodifluoromethane	< 3.71	ug/Kg	6/20/2013
Ethylbenzene	**4.95**	ug/Kg	6/20/2013
Freon 113	< 3.71	ug/Kg	6/20/2013
Isopropylbenzene	< 3.71	ug/Kg	6/20/2013
m,p-Xylene	**8.71**	ug/Kg	6/20/2013
Methyl acetate	< 3.71	ug/Kg	6/20/2013
Methyl tert-butyl Ether	< 3.71	ug/Kg	6/20/2013
Methylcyclohexane	< 3.71	ug/Kg	6/20/2013
Methylene chloride	< 9.28	ug/Kg	6/20/2013
Naphthalene	< 9.28	ug/Kg	6/20/2013
n-Butylbenzene	< 3.71	ug/Kg	6/20/2013
n-Propylbenzene	< 3.71	ug/Kg	6/20/2013
o-Xylene	**9.25**	ug/Kg	6/20/2013
p-Isopropyltoluene	< 3.71	ug/Kg	6/20/2013
sec-Butylbenzene	**8.84**	ug/Kg	6/20/2013
Styrene	< 9.28	ug/Kg	6/20/2013
tert-Butylbenzene	< 3.71	ug/Kg	6/20/2013
Tetrachloroethene	**69.6**	ug/Kg	6/20/2013
Toluene	< 3.71	ug/Kg	6/20/2013
trans-1,2-Dichloroethene	< 3.71	ug/Kg	6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P2g
Lab Sample ID: 132208-03 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

trans-1,3-Dichloropropene	< 3.71	ug/Kg	6/20/2013
Trichloroethene	**40.4**	ug/Kg	6/20/2013
Trichlorofluoromethane	< 3.71	ug/Kg	6/20/2013
Vinyl chloride	< 3.71	ug/Kg	6/20/2013

Method Reference(s): EPA 8260B
EPA 5035
Data File: X06196.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P2c
Lab Sample ID: 132208-04 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0264**	mg/Kg		6/19/2013

Method Reference(s): EPA 7471B
Data File: hg130619a

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P2c
Lab Sample ID: 132208-04 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**3.60**	mg/Kg		6/23/2013
Barium	**30.0**	mg/Kg		6/23/2013
Beryllium	< 0.588	mg/Kg		6/23/2013
Cadmium	**0.577**	mg/Kg	J	6/23/2013
Chromium	**10.9**	mg/Kg		6/24/2013
Copper	**24.0**	mg/Kg		6/23/2013
Lead (Axial)	**33.1**	mg/Kg		6/24/2013
Manganese	**529**	mg/Kg		6/23/2013
Nickel	**8.70**	mg/Kg		6/23/2013
Selenium	< 1.18	mg/Kg		6/23/2013
Silver	**1.15**	mg/Kg	J	6/23/2013
Zinc	**57.7**	mg/Kg		6/23/2013

Method Reference(s): EPA 6010C
EPA 3050
Data File: 062313a

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P2c
Lab Sample ID: 132208-04 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0317	mg/Kg		6/24/2013
PCB-1221	< 0.0317	mg/Kg		6/24/2013
PCB-1232	< 0.0317	mg/Kg		6/24/2013
PCB-1242	< 0.0317	mg/Kg		6/24/2013
PCB-1248	< 0.0317	mg/Kg		6/24/2013
PCB-1254	< 0.0317	mg/Kg		6/24/2013
PCB-1260	< 0.0317	mg/Kg		6/24/2013
PCB-1262	< 0.0317	mg/Kg		6/24/2013
PCB-1268	< 0.0317	mg/Kg	M	6/24/2013

Surrogate outliers indicate probable matrix interference.

Method Reference(s): EPA 8082A
EPA 3550C

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P2c
Lab Sample ID: 132208-04 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	< 3.17	ug/Kg		6/19/2013
4,4-DDE	< 3.17	ug/Kg		6/19/2013
4,4-DDT	**5.05**	ug/Kg		6/19/2013
Aldrin	< 3.17	ug/Kg		6/19/2013
alpha-BHC	< 3.17	ug/Kg		6/19/2013
beta-BHC	< 3.17	ug/Kg		6/19/2013
cis-Chlordane	< 3.17	ug/Kg		6/19/2013
delta-BHC	< 3.17	ug/Kg		6/19/2013
Dieldrin	< 3.17	ug/Kg		6/19/2013
Endosulfan I	< 3.17	ug/Kg		6/19/2013
Endosulfan II	< 3.17	ug/Kg		6/19/2013
Endosulfan Sulfate	< 3.17	ug/Kg		6/19/2013
Endrin	< 3.17	ug/Kg		6/19/2013
Endrin Aldehyde	**5.61**	ug/Kg	C	6/19/2013
Endrin Ketone	< 3.17	ug/Kg		6/19/2013
gamma-BHC (Lindane)	< 3.17	ug/Kg		6/19/2013
Heptachlor	< 3.17	ug/Kg		6/19/2013
Heptachlor Epoxide	< 3.17	ug/Kg		6/19/2013
Methoxychlor	< 3.17	ug/Kg		6/19/2013
Toxaphene	< 31.7	ug/Kg		6/19/2013
trans-Chlordane	< 3.17	ug/Kg		6/19/2013

Method Reference(s): EPA 8081B
EPA 3550C

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P2c
Lab Sample ID: 132208-04 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 318	ug/Kg		6/20/2013
1,2,4,5-Tetrachlorobenzene	< 318	ug/Kg		6/20/2013
1,2,4-Trichlorobenzene	< 318	ug/Kg		6/20/2013
1,2-Dichlorobenzene	< 318	ug/Kg		6/20/2013
1,3-Dichlorobenzene	< 318	ug/Kg		6/20/2013
1,4-Dichlorobenzene	< 318	ug/Kg		6/20/2013
2,3,4,6-Tetrachlorophenol	< 318	ug/Kg		6/20/2013
2,4,5-Trichlorophenol	< 636	ug/Kg		6/20/2013
2,4,6-Trichlorophenol	< 318	ug/Kg		6/20/2013
2,4-Dichlorophenol	< 318	ug/Kg		6/20/2013
2,4-Dimethylphenol	< 318	ug/Kg		6/20/2013
2,4-Dinitrophenol	< 636	ug/Kg		6/20/2013
2,4-Dinitrotoluene	< 318	ug/Kg		6/20/2013
2,6-Dinitrotoluene	< 318	ug/Kg		6/20/2013
2-Chloronaphthalene	< 318	ug/Kg		6/20/2013
2-Chlorophenol	< 318	ug/Kg		6/20/2013
2-Methylnapthalene	< 318	ug/Kg		6/20/2013
2-Methylphenol	< 318	ug/Kg		6/20/2013
2-Nitroaniline	< 636	ug/Kg		6/20/2013
2-Nitrophenol	< 318	ug/Kg		6/20/2013
3&4-Methylphenol	< 318	ug/Kg		6/20/2013
3,3'-Dichlorobenzidine	< 318	ug/Kg		6/20/2013
3-Nitroaniline	< 636	ug/Kg		6/20/2013
4,6-Dinitro-2-methylphenol	< 636	ug/Kg		6/20/2013
4-Bromophenyl phenyl ether	< 318	ug/Kg		6/20/2013
4-Chloro-3-methylphenol	< 318	ug/Kg		6/20/2013
4-Chloroaniline	< 318	ug/Kg		6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P2c
Lab Sample ID: 132208-04 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

4-Chlorophenyl phenyl ether	< 318	ug/Kg		6/20/2013
4-Nitroaniline	< 636	ug/Kg		6/20/2013
4-Nitrophenol	< 636	ug/Kg		6/20/2013
Acenaphthene	< 318	ug/Kg		6/20/2013
Acenaphthylene	< 318	ug/Kg		6/20/2013
Acetophenone	< 318	ug/Kg		6/20/2013
Anthracene	< 318	ug/Kg		6/20/2013
Atrazine	< 318	ug/Kg		6/20/2013
Benzaldehyde	< 318	ug/Kg		6/20/2013
Benzo (a) anthracene	< 318	ug/Kg		6/20/2013
Benzo (a) pyrene	< 318	ug/Kg		6/20/2013
Benzo (b) fluoranthene	< 318	ug/Kg		6/20/2013
Benzo (g,h,i) perylene	< 318	ug/Kg		6/20/2013
Benzo (k) fluoranthene	< 318	ug/Kg		6/20/2013
Bis (2-chloroethoxy) methane	< 318	ug/Kg		6/20/2013
Bis (2-chloroethyl) ether	< 318	ug/Kg		6/20/2013
Bis (2-chloroisopropyl) ether	< 318	ug/Kg		6/20/2013
Bis (2-ethylhexyl) phthalate	< 318	ug/Kg		6/20/2013
Butylbenzylphthalate	< 318	ug/Kg		6/20/2013
Caprolactam	< 318	ug/Kg		6/20/2013
Carbazole	< 318	ug/Kg		6/20/2013
Chrysene	< 318	ug/Kg		6/20/2013
Dibenz (a,h) anthracene	< 318	ug/Kg		6/20/2013
Dibenzofuran	< 318	ug/Kg		6/20/2013
Diethyl phthalate	< 318	ug/Kg		6/20/2013
Dimethyl phthalate	< 636	ug/Kg		6/20/2013
Di-n-butyl phthalate	< 318	ug/Kg		6/20/2013
Di-n-octylphthalate	< 318	ug/Kg		6/20/2013
Fluoranthene	**246**	ug/Kg	J	6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P2c
Lab Sample ID: 132208-04 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Fluorene	< 318	ug/Kg		6/20/2013
Hexachlorobenzene	< 318	ug/Kg		6/20/2013
Hexachlorobutadiene	< 318	ug/Kg		6/20/2013
Hexachlorocyclopentadiene	< 318	ug/Kg		6/20/2013
Hexachloroethane	< 318	ug/Kg		6/20/2013
Indeno (1,2,3-cd) pyrene	< 318	ug/Kg		6/20/2013
Isophorone	< 318	ug/Kg		6/20/2013
Naphthalene	< 318	ug/Kg		6/20/2013
Nitrobenzene	< 318	ug/Kg		6/20/2013
N-Nitroso-di-n-propylamine	< 318	ug/Kg		6/20/2013
N-Nitrosodiphenylamine	< 318	ug/Kg		6/20/2013
Pentachlorophenol	< 636	ug/Kg		6/20/2013
Phenanthrene	**165**	ug/Kg	J	6/20/2013
Phenol	< 318	ug/Kg		6/20/2013
Pyrene	**241**	ug/Kg	J	6/20/2013

Method Reference(s): EPA 8270C
EPA 3550C
Data File: S70410.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P3g1
Lab Sample ID: 132208-05 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.27	ug/Kg		6/20/2013
1,1,2,2-Tetrachloroethane	< 4.27	ug/Kg		6/20/2013
1,1,2-Trichloroethane	< 4.27	ug/Kg		6/20/2013
1,1-Dichloroethane	< 4.27	ug/Kg		6/20/2013
1,1-Dichloroethene	< 4.27	ug/Kg		6/20/2013
1,2,3-Trichlorobenzene	< 10.7	ug/Kg		6/20/2013
1,2,4-Trichlorobenzene	< 10.7	ug/Kg		6/20/2013
1,2,4-Trimethylbenzene	< 4.27	ug/Kg		6/20/2013
1,2-Dibromo-3-Chloropropane	< 21.4	ug/Kg		6/20/2013
1,2-Dibromoethane	< 4.27	ug/Kg		6/20/2013
1,2-Dichlorobenzene	< 4.27	ug/Kg		6/20/2013
1,2-Dichloroethane	< 4.27	ug/Kg		6/20/2013
1,2-Dichloropropane	< 4.27	ug/Kg		6/20/2013
1,3,5-Trimethylbenzene	< 4.27	ug/Kg		6/20/2013
1,3-Dichlorobenzene	< 4.27	ug/Kg		6/20/2013
1,4-Dichlorobenzene	< 4.27	ug/Kg		6/20/2013
1,4-dioxane	< 42.7	ug/Kg		6/20/2013
2-Butanone	< 21.4	ug/Kg		6/20/2013
2-Hexanone	< 10.7	ug/Kg		6/20/2013
4-Methyl-2-pentanone	< 10.7	ug/Kg		6/20/2013
Acetone	**18.6**	ug/Kg	J	6/20/2013
Benzene	< 4.27	ug/Kg		6/20/2013
Bromochloromethane	< 10.7	ug/Kg		6/20/2013
Bromodichloromethane	< 4.27	ug/Kg		6/20/2013
Bromoform	< 10.7	ug/Kg		6/20/2013
Bromomethane	< 4.27	ug/Kg		6/20/2013
Carbon disulfide	< 4.27	ug/Kg		6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P3g1
Lab Sample ID: 132208-05 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Carbon Tetrachloride	< 4.27	ug/Kg		6/20/2013
Chlorobenzene	< 4.27	ug/Kg		6/20/2013
Chloroethane	< 4.27	ug/Kg		6/20/2013
Chloroform	< 4.27	ug/Kg		6/20/2013
Chloromethane	< 4.27	ug/Kg		6/20/2013
cis-1,2-Dichloroethene	**3.08**	ug/Kg	J	6/20/2013
cis-1,3-Dichloropropene	< 4.27	ug/Kg		6/20/2013
Cyclohexane	< 21.4	ug/Kg		6/20/2013
Dibromochloromethane	< 4.27	ug/Kg		6/20/2013
Dichlorodifluoromethane	< 4.27	ug/Kg		6/20/2013
Ethylbenzene	< 4.27	ug/Kg		6/20/2013
Freon 113	< 4.27	ug/Kg		6/20/2013
Isopropylbenzene	< 4.27	ug/Kg		6/20/2013
m,p-Xylene	**2.16**	ug/Kg	J	6/20/2013
Methyl acetate	< 4.27	ug/Kg		6/20/2013
Methyl tert-butyl Ether	< 4.27	ug/Kg		6/20/2013
Methylcyclohexane	< 4.27	ug/Kg		6/20/2013
Methylene chloride	< 10.7	ug/Kg		6/20/2013
Naphthalene	< 10.7	ug/Kg		6/20/2013
n-Butylbenzene	< 4.27	ug/Kg		6/20/2013
n-Propylbenzene	< 4.27	ug/Kg		6/20/2013
o-Xylene	< 4.27	ug/Kg		6/20/2013
p-Isopropyltoluene	< 4.27	ug/Kg		6/20/2013
sec-Butylbenzene	< 4.27	ug/Kg		6/20/2013
Styrene	< 10.7	ug/Kg		6/20/2013
tert-Butylbenzene	< 4.27	ug/Kg		6/20/2013
Tetrachloroethene	< 4.27	ug/Kg		6/20/2013
Toluene	< 4.27	ug/Kg		6/20/2013
trans-1,2-Dichloroethene	< 4.27	ug/Kg		6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P3g1
Lab Sample ID: 132208-05 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

trans-1,3-Dichloropropene	< 4.27	ug/Kg	6/20/2013
Trichloroethene	**22.4**	ug/Kg	6/20/2013
Trichlorofluoromethane	< 4.27	ug/Kg	6/20/2013
Vinyl chloride	< 4.27	ug/Kg	6/20/2013

Method Reference(s): EPA 8260B
EPA 5035
Data File: X06197.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P3g2
Lab Sample ID: 132208-06 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 3.57	ug/Kg		6/20/2013
1,1,2,2-Tetrachloroethane	< 3.57	ug/Kg		6/20/2013
1,1,2-Trichloroethane	< 3.57	ug/Kg		6/20/2013
1,1-Dichloroethane	< 3.57	ug/Kg		6/20/2013
1,1-Dichloroethene	< 3.57	ug/Kg		6/20/2013
1,2,3-Trichlorobenzene	< 8.92	ug/Kg		6/20/2013
1,2,4-Trichlorobenzene	< 8.92	ug/Kg		6/20/2013
1,2,4-Trimethylbenzene	< 3.57	ug/Kg		6/20/2013
1,2-Dibromo-3-Chloropropane	< 17.8	ug/Kg		6/20/2013
1,2-Dibromoethane	< 3.57	ug/Kg		6/20/2013
1,2-Dichlorobenzene	< 3.57	ug/Kg		6/20/2013
1,2-Dichloroethane	< 3.57	ug/Kg		6/20/2013
1,2-Dichloropropane	< 3.57	ug/Kg		6/20/2013
1,3,5-Trimethylbenzene	< 3.57	ug/Kg		6/20/2013
1,3-Dichlorobenzene	< 3.57	ug/Kg		6/20/2013
1,4-Dichlorobenzene	< 3.57	ug/Kg		6/20/2013
1,4-dioxane	< 35.7	ug/Kg		6/20/2013
2-Butanone	< 17.8	ug/Kg		6/20/2013
2-Hexanone	< 8.92	ug/Kg		6/20/2013
4-Methyl-2-pentanone	< 8.92	ug/Kg		6/20/2013
Acetone	**18.3**	ug/Kg		6/20/2013
Benzene	< 3.57	ug/Kg		6/20/2013
Bromochloromethane	< 8.92	ug/Kg		6/20/2013
Bromodichloromethane	< 3.57	ug/Kg		6/20/2013
Bromoform	< 8.92	ug/Kg		6/20/2013
Bromomethane	< 3.57	ug/Kg		6/20/2013
Carbon disulfide	< 3.57	ug/Kg		6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P3g2
Lab Sample ID: 132208-06 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Carbon Tetrachloride	< 3.57	ug/Kg		6/20/2013
Chlorobenzene	< 3.57	ug/Kg		6/20/2013
Chloroethane	< 3.57	ug/Kg		6/20/2013
Chloroform	< 3.57	ug/Kg		6/20/2013
Chloromethane	< 3.57	ug/Kg		6/20/2013
cis-1,2-Dichloroethene	< 3.57	ug/Kg		6/20/2013
cis-1,3-Dichloropropene	< 3.57	ug/Kg		6/20/2013
Cyclohexane	< 17.8	ug/Kg		6/20/2013
Dibromochloromethane	< 3.57	ug/Kg		6/20/2013
Dichlorodifluoromethane	< 3.57	ug/Kg		6/20/2013
Ethylbenzene	< 3.57	ug/Kg		6/20/2013
Freon 113	< 3.57	ug/Kg		6/20/2013
Isopropylbenzene	< 3.57	ug/Kg		6/20/2013
m,p-Xylene	**3.07**	ug/Kg	J	6/20/2013
Methyl acetate	< 3.57	ug/Kg		6/20/2013
Methyl tert-butyl Ether	< 3.57	ug/Kg		6/20/2013
Methylcyclohexane	< 3.57	ug/Kg		6/20/2013
Methylene chloride	< 8.92	ug/Kg		6/20/2013
Naphthalene	< 8.92	ug/Kg		6/20/2013
n-Butylbenzene	< 3.57	ug/Kg		6/20/2013
n-Propylbenzene	< 3.57	ug/Kg		6/20/2013
o-Xylene	< 3.57	ug/Kg		6/20/2013
p-Isopropyltoluene	**6.58**	ug/Kg		6/20/2013
sec-Butylbenzene	**5.93**	ug/Kg		6/20/2013
Styrene	< 8.92	ug/Kg		6/20/2013
tert-Butylbenzene	< 3.57	ug/Kg		6/20/2013
Tetrachloroethene	< 3.57	ug/Kg		6/20/2013
Toluene	< 3.57	ug/Kg		6/20/2013
trans-1,2-Dichloroethene	< 3.57	ug/Kg		6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P3g2
Lab Sample ID: 132208-06 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

trans-1,3-Dichloropropene	< 3.57	ug/Kg	6/20/2013
Trichloroethene	< 3.57	ug/Kg	6/20/2013
Trichlorofluoromethane	< 3.57	ug/Kg	6/20/2013
Vinyl chloride	< 3.57	ug/Kg	6/20/2013

Method Reference(s): EPA 8260B
EPA 5035
Data File: X06198.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P3c

Lab Sample ID: 132208-07 **Date Sampled:** 6/14/2013

Matrix: Soil **Date Received:** 6/17/2013

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0172**	mg/Kg	J	6/19/2013

Method Reference(s): EPA 7471B

Data File: hg130619a

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P3c
Lab Sample ID: 132208-07 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**2.91**	mg/Kg		6/23/2013
Barium	**110**	mg/Kg	DM	6/23/2013
Beryllium	**0.267**	mg/Kg	J	6/23/2013
Cadmium	**0.432**	mg/Kg	J	6/23/2013
Chromium	**7.39**	mg/Kg	D	6/24/2013
Copper	**25.0**	mg/Kg	D	6/23/2013
Lead (Axial)	**29.3**	mg/Kg	D	6/24/2013
Manganese	**331**	mg/Kg	M	6/23/2013
Nickel	**6.87**	mg/Kg	D	6/23/2013
Selenium	< 1.04	mg/Kg		6/23/2013
Silver	**1.44**	mg/Kg	D	6/23/2013
Zinc	**74.2**	mg/Kg		6/23/2013

Method Reference(s): EPA 6010C
EPA 3050
Data File: 062313a

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P3c
Lab Sample ID: 132208-07 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0317	mg/Kg		6/24/2013
PCB-1221	< 0.0317	mg/Kg		6/24/2013
PCB-1232	< 0.0317	mg/Kg		6/24/2013
PCB-1242	< 0.0317	mg/Kg		6/24/2013
PCB-1248	< 0.0317	mg/Kg		6/24/2013
PCB-1254	< 0.0317	mg/Kg		6/24/2013
PCB-1260	< 0.0317	mg/Kg		6/24/2013
PCB-1262	< 0.0317	mg/Kg		6/24/2013
PCB-1268	< 0.0317	mg/Kg		6/24/2013

Surrogate outliers indicate probable matrix interference.

Method Reference(s): EPA 8082A
EPA 3550C

Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P3c
Lab Sample ID: 132208-07
Matrix: Soil

Date Sampled: 6/14/2013
Date Received: 6/17/2013

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	< 3.17	ug/Kg		6/19/2013
4,4-DDE	< 3.17	ug/Kg		6/19/2013
4,4-DDT	**2.09**	ug/Kg		6/19/2013
Aldrin	< 3.17	ug/Kg		6/19/2013
alpha-BHC	**1.94**	ug/Kg	J	6/19/2013
beta-BHC	< 3.17	ug/Kg		6/19/2013
cis-Chlordane	< 3.17	ug/Kg		6/19/2013
delta-BHC	< 3.17	ug/Kg		6/19/2013
Dieldrin	< 3.17	ug/Kg		6/19/2013
Endosulfan I	< 3.17	ug/Kg		6/19/2013
Endosulfan II	< 3.17	ug/Kg		6/19/2013
Endosulfan Sulfate	< 3.17	ug/Kg		6/19/2013
Endrin	< 3.17	ug/Kg		6/19/2013
Endrin Aldehyde	**9.84**	ug/Kg		6/19/2013
Endrin Ketone	< 3.17	ug/Kg		6/19/2013
gamma-BHC (Lindane)	< 3.17	ug/Kg		6/19/2013
Heptachlor	< 3.17	ug/Kg		6/19/2013
Heptachlor Epoxide	< 3.17	ug/Kg		6/19/2013
Methoxychlor	< 3.17	ug/Kg		6/19/2013
Toxaphene	< 31.7	ug/Kg		6/19/2013
trans-Chlordane	< 3.17	ug/Kg		6/19/2013

Method Reference(s): EPA 8081B
EPA 3550C

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P3c
Lab Sample ID: 132208-07
Matrix: Soil

Date Sampled: 6/14/2013
Date Received: 6/17/2013

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 316	ug/Kg		6/20/2013
1,2,4,5-Tetrachlorobenzene	< 316	ug/Kg		6/20/2013
1,2,4-Trichlorobenzene	< 316	ug/Kg		6/20/2013
1,2-Dichlorobenzene	< 316	ug/Kg		6/20/2013
1,3-Dichlorobenzene	< 316	ug/Kg		6/20/2013
1,4-Dichlorobenzene	< 316	ug/Kg		6/20/2013
2,3,4,6-Tetrachlorophenol	< 316	ug/Kg		6/20/2013
2,4,5-Trichlorophenol	< 633	ug/Kg		6/20/2013
2,4,6-Trichlorophenol	< 316	ug/Kg		6/20/2013
2,4-Dichlorophenol	< 316	ug/Kg		6/20/2013
2,4-Dimethylphenol	< 316	ug/Kg	M	6/20/2013
2,4-Dinitrophenol	< 633	ug/Kg		6/20/2013
2,4-Dinitrotoluene	< 316	ug/Kg		6/20/2013
2,6-Dinitrotoluene	< 316	ug/Kg		6/20/2013
2-Chloronaphthalene	< 316	ug/Kg		6/20/2013
2-Chlorophenol	< 316	ug/Kg		6/20/2013
2-Methylnapthalene	< 316	ug/Kg		6/20/2013
2-Methylphenol	< 316	ug/Kg		6/20/2013
2-Nitroaniline	< 633	ug/Kg		6/20/2013
2-Nitrophenol	< 316	ug/Kg		6/20/2013
3&4-Methylphenol	< 316	ug/Kg		6/20/2013
3,3'-Dichlorobenzidine	< 316	ug/Kg		6/20/2013
3-Nitroaniline	< 633	ug/Kg		6/20/2013
4,6-Dinitro-2-methylphenol	< 633	ug/Kg		6/20/2013
4-Bromophenyl phenyl ether	< 316	ug/Kg		6/20/2013
4-Chloro-3-methylphenol	< 316	ug/Kg		6/20/2013
4-Chloroaniline	< 316	ug/Kg		6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P3c
Lab Sample ID: 132208-07 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

4-Chlorophenyl phenyl ether	< 316	ug/Kg		6/20/2013
4-Nitroaniline	< 633	ug/Kg		6/20/2013
4-Nitrophenol	< 633	ug/Kg		6/20/2013
Acenaphthene	< 316	ug/Kg		6/20/2013
Acenaphthylene	< 316	ug/Kg		6/20/2013
Acetophenone	< 316	ug/Kg		6/20/2013
Anthracene	< 316	ug/Kg		6/20/2013
Atrazine	< 316	ug/Kg		6/20/2013
Benzaldehyde	< 316	ug/Kg		6/20/2013
Benzo (a) anthracene	**167**	ug/Kg	J	6/20/2013
Benzo (a) pyrene	< 316	ug/Kg		6/20/2013
Benzo (b) fluoranthene	< 316	ug/Kg		6/20/2013
Benzo (g,h,i) perylene	< 316	ug/Kg		6/20/2013
Benzo (k) fluoranthene	< 316	ug/Kg		6/20/2013
Bis (2-chloroethoxy) methane	< 316	ug/Kg		6/20/2013
Bis (2-chloroethyl) ether	< 316	ug/Kg		6/20/2013
Bis (2-chloroisopropyl) ether	< 316	ug/Kg		6/20/2013
Bis (2-ethylhexyl) phthalate	< 316	ug/Kg		6/20/2013
Butylbenzylphthalate	< 316	ug/Kg		6/20/2013
Caprolactam	< 316	ug/Kg		6/20/2013
Carbazole	< 316	ug/Kg		6/20/2013
Chrysene	**199**	ug/Kg	J	6/20/2013
Dibenz (a,h) anthracene	< 316	ug/Kg		6/20/2013
Dibenzofuran	< 316	ug/Kg		6/20/2013
Diethyl phthalate	< 316	ug/Kg		6/20/2013
Dimethyl phthalate	< 633	ug/Kg		6/20/2013
Di-n-butyl phthalate	< 316	ug/Kg		6/20/2013
Di-n-octylphthalate	< 316	ug/Kg		6/20/2013
Fluoranthene	**218**	ug/Kg	J	6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P3c
Lab Sample ID: 132208-07 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Fluorene	< 316	ug/Kg		6/20/2013
Hexachlorobenzene	< 316	ug/Kg		6/20/2013
Hexachlorobutadiene	< 316	ug/Kg		6/20/2013
Hexachlorocyclopentadiene	< 316	ug/Kg		6/20/2013
Hexachloroethane	< 316	ug/Kg		6/20/2013
Indeno (1,2,3-cd) pyrene	< 316	ug/Kg		6/20/2013
Isophorone	< 316	ug/Kg		6/20/2013
Naphthalene	< 316	ug/Kg		6/20/2013
Nitrobenzene	< 316	ug/Kg		6/20/2013
N-Nitroso-di-n-propylamine	< 316	ug/Kg		6/20/2013
N-Nitrosodiphenylamine	< 316	ug/Kg		6/20/2013
Pentachlorophenol	< 633	ug/Kg		6/20/2013
Phenanthrene	< 316	ug/Kg		6/20/2013
Phenol	< 316	ug/Kg		6/20/2013
Pyrene	**241**	ug/Kg	JM	6/20/2013

Method Reference(s): EPA 8270C
EPA 3550C
Data File: S70411.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P4g
Lab Sample ID: 132208-08 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 10.7	ug/Kg		6/21/2013
1,1,2,2-Tetrachloroethane	< 10.7	ug/Kg		6/21/2013
1,1,2-Trichloroethane	< 10.7	ug/Kg		6/21/2013
1,1-Dichloroethane	< 10.7	ug/Kg		6/21/2013
1,1-Dichloroethene	< 10.7	ug/Kg		6/21/2013
1,2,3-Trichlorobenzene	< 26.9	ug/Kg		6/21/2013
1,2,4-Trichlorobenzene	< 26.9	ug/Kg		6/21/2013
1,2,4-Trimethylbenzene	< 10.7	ug/Kg		6/21/2013
1,2-Dibromo-3-Chloropropane	< 53.7	ug/Kg		6/21/2013
1,2-Dibromoethane	< 10.7	ug/Kg		6/21/2013
1,2-Dichlorobenzene	< 10.7	ug/Kg		6/21/2013
1,2-Dichloroethane	< 10.7	ug/Kg		6/21/2013
1,2-Dichloropropane	< 10.7	ug/Kg		6/21/2013
1,3,5-Trimethylbenzene	< 10.7	ug/Kg		6/21/2013
1,3-Dichlorobenzene	< 10.7	ug/Kg		6/21/2013
1,4-Dichlorobenzene	< 10.7	ug/Kg		6/21/2013
1,4-dioxane	< 107	ug/Kg		6/21/2013
2-Butanone	< 53.7	ug/Kg		6/21/2013
2-Hexanone	< 26.9	ug/Kg		6/21/2013
4-Methyl-2-pentanone	< 26.9	ug/Kg		6/21/2013
Acetone	**52.8**	ug/Kg	J	6/21/2013
Benzene	< 10.7	ug/Kg		6/21/2013
Bromochloromethane	< 26.9	ug/Kg		6/21/2013
Bromodichloromethane	< 10.7	ug/Kg		6/21/2013
Bromoform	< 26.9	ug/Kg		6/21/2013
Bromomethane	< 10.7	ug/Kg		6/21/2013
Carbon disulfide	< 10.7	ug/Kg		6/21/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P4g
Lab Sample ID: 132208-08 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Carbon Tetrachloride	< 10.7	ug/Kg		6/21/2013
Chlorobenzene	< 10.7	ug/Kg		6/21/2013
Chloroethane	< 10.7	ug/Kg		6/21/2013
Chloroform	< 10.7	ug/Kg		6/21/2013
Chloromethane	< 10.7	ug/Kg		6/21/2013
cis-1,2-Dichloroethene	< 10.7	ug/Kg		6/21/2013
cis-1,3-Dichloropropene	< 10.7	ug/Kg		6/21/2013
Cyclohexane	< 53.7	ug/Kg		6/21/2013
Dibromochloromethane	< 10.7	ug/Kg		6/21/2013
Dichlorodifluoromethane	< 10.7	ug/Kg		6/21/2013
Ethylbenzene	**6.05**	ug/Kg	J	6/21/2013
Freon 113	< 10.7	ug/Kg		6/21/2013
Isopropylbenzene	< 10.7	ug/Kg		6/21/2013
m,p-Xylene	**17.7**	ug/Kg	B	6/21/2013
Methyl acetate	< 10.7	ug/Kg		6/21/2013
Methyl tert-butyl Ether	< 10.7	ug/Kg		6/21/2013
Methylcyclohexane	< 10.7	ug/Kg		6/21/2013
Methylene chloride	< 26.9	ug/Kg		6/21/2013
Naphthalene	< 26.9	ug/Kg		6/21/2013
n-Butylbenzene	< 10.7	ug/Kg		6/21/2013
n-Propylbenzene	< 10.7	ug/Kg		6/21/2013
o-Xylene	**8.99**	ug/Kg	J	6/21/2013
p-Isopropyltoluene	< 10.7	ug/Kg		6/21/2013
sec-Butylbenzene	< 10.7	ug/Kg		6/21/2013
Styrene	< 26.9	ug/Kg		6/21/2013
tert-Butylbenzene	< 10.7	ug/Kg		6/21/2013
Tetrachloroethene	**272**	ug/Kg		6/21/2013
Toluene	< 10.7	ug/Kg		6/21/2013
trans-1,2-Dichloroethene	< 10.7	ug/Kg		6/21/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P4g
Lab Sample ID: 132208-08 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

trans-1,3-Dichloropropene	< 10.7	ug/Kg	6/21/2013
Trichloroethene	**10.8**	ug/Kg	6/21/2013
Trichlorofluoromethane	< 10.7	ug/Kg	6/21/2013
Vinyl chloride	< 10.7	ug/Kg	6/21/2013

Method Reference(s): EPA 8260B
EPA 5035

Data File: X06216.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P4c
Lab Sample ID: 132208-09 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0141**	mg/Kg	J	6/19/2013

Method Reference(s): EPA 7471B
Data File: hg130619a

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Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P4c
Lab Sample ID: 132208-09 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**2.67**	mg/Kg		6/23/2013
Barium	**24.5**	mg/Kg		6/23/2013
Beryllium	< 0.553	mg/Kg		6/23/2013
Cadmium	**0.454**	mg/Kg	J	6/23/2013
Chromium	**6.85**	mg/Kg		6/24/2013
Copper	**18.6**	mg/Kg		6/23/2013
Lead (Axial)	**26.7**	mg/Kg		6/24/2013
Manganese	**309**	mg/Kg		6/23/2013
Nickel	**7.95**	mg/Kg		6/23/2013
Selenium	< 1.11	mg/Kg		6/23/2013
Silver	**1.21**	mg/Kg		6/23/2013
Zinc	**67.0**	mg/Kg		6/23/2013

Method Reference(s): EPA 6010C
EPA 3050

Data File: 062313a

Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P4c
Lab Sample ID: 132208-09 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0321	mg/Kg		6/24/2013
PCB-1221	< 0.0321	mg/Kg		6/24/2013
PCB-1232	< 0.0321	mg/Kg		6/24/2013
PCB-1242	< 0.0321	mg/Kg		6/24/2013
PCB-1248	< 0.0321	mg/Kg		6/24/2013
PCB-1254	< 0.0321	mg/Kg		6/24/2013
PCB-1260	< 0.0321	mg/Kg		6/24/2013
PCB-1262	< 0.0321	mg/Kg		6/24/2013
PCB-1268	< 0.0321	mg/Kg		6/24/2013

Surrogate outliers indicate probable matrix interference.

Method Reference(s): EPA 8082A
EPA 3550C

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P4c
Lab Sample ID: 132208-09
Matrix: Soil

Date Sampled: 6/14/2013
Date Received: 6/17/2013

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	< 3.21	ug/Kg		6/19/2013
4,4-DDE	< 3.21	ug/Kg		6/19/2013
4,4-DDT	**2.31**	ug/Kg	J	6/19/2013
Aldrin	< 3.21	ug/Kg		6/19/2013
alpha-BHC	< 3.21	ug/Kg		6/19/2013
beta-BHC	< 3.21	ug/Kg		6/19/2013
cis-Chlordane	< 3.21	ug/Kg		6/19/2013
delta-BHC	< 3.21	ug/Kg		6/19/2013
Dieldrin	< 3.21	ug/Kg		6/19/2013
Endosulfan I	< 3.21	ug/Kg		6/19/2013
Endosulfan II	< 3.21	ug/Kg		6/19/2013
Endosulfan Sulfate	< 3.21	ug/Kg		6/19/2013
Endrin	< 3.21	ug/Kg		6/19/2013
Endrin Aldehyde	**2.21**	ug/Kg	J	6/19/2013
Endrin Ketone	< 3.21	ug/Kg		6/19/2013
gamma-BHC (Lindane)	< 3.21	ug/Kg		6/19/2013
Heptachlor	< 3.21	ug/Kg		6/19/2013
Heptachlor Epoxide	< 3.21	ug/Kg		6/19/2013
Methoxychlor	< 3.21	ug/Kg		6/19/2013
Toxaphene	< 32.1	ug/Kg		6/19/2013
trans-Chlordane	< 3.21	ug/Kg		6/19/2013

Method Reference(s): EPA 8081B
EPA 3550C

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P4c
Lab Sample ID: 132208-09 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 321	ug/Kg		6/20/2013
1,2,4,5-Tetrachlorobenzene	< 321	ug/Kg		6/20/2013
1,2,4-Trichlorobenzene	< 321	ug/Kg		6/20/2013
1,2-Dichlorobenzene	< 321	ug/Kg		6/20/2013
1,3-Dichlorobenzene	< 321	ug/Kg		6/20/2013
1,4-Dichlorobenzene	< 321	ug/Kg		6/20/2013
2,3,4,6-Tetrachlorophenol	< 321	ug/Kg		6/20/2013
2,4,5-Trichlorophenol	< 642	ug/Kg		6/20/2013
2,4,6-Trichlorophenol	< 321	ug/Kg		6/20/2013
2,4-Dichlorophenol	< 321	ug/Kg		6/20/2013
2,4-Dimethylphenol	< 321	ug/Kg		6/20/2013
2,4-Dinitrophenol	< 642	ug/Kg		6/20/2013
2,4-Dinitrotoluene	< 321	ug/Kg		6/20/2013
2,6-Dinitrotoluene	< 321	ug/Kg		6/20/2013
2-Chloronaphthalene	< 321	ug/Kg		6/20/2013
2-Chlorophenol	< 321	ug/Kg		6/20/2013
2-Methylnapthalene	< 321	ug/Kg		6/20/2013
2-Methylphenol	< 321	ug/Kg		6/20/2013
2-Nitroaniline	< 642	ug/Kg		6/20/2013
2-Nitrophenol	< 321	ug/Kg		6/20/2013
3&4-Methylphenol	< 321	ug/Kg		6/20/2013
3,3'-Dichlorobenzidine	< 321	ug/Kg		6/20/2013
3-Nitroaniline	< 642	ug/Kg		6/20/2013
4,6-Dinitro-2-methylphenol	< 642	ug/Kg		6/20/2013
4-Bromophenyl phenyl ether	< 321	ug/Kg		6/20/2013
4-Chloro-3-methylphenol	< 321	ug/Kg		6/20/2013
4-Chloroaniline	< 321	ug/Kg		6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P4c
Lab Sample ID: 132208-09 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

4-Chlorophenyl phenyl ether	< 321	ug/Kg		6/20/2013
4-Nitroaniline	< 642	ug/Kg		6/20/2013
4-Nitrophenol	< 642	ug/Kg		6/20/2013
Acenaphthene	< 321	ug/Kg		6/20/2013
Acenaphthylene	< 321	ug/Kg		6/20/2013
Acetophenone	< 321	ug/Kg		6/20/2013
Anthracene	< 321	ug/Kg		6/20/2013
Atrazine	< 321	ug/Kg		6/20/2013
Benzaldehyde	< 321	ug/Kg		6/20/2013
Benzo (a) anthracene	< 321	ug/Kg		6/20/2013
Benzo (a) pyrene	< 321	ug/Kg		6/20/2013
Benzo (b) fluoranthene	< 321	ug/Kg		6/20/2013
Benzo (g,h,i) perylene	< 321	ug/Kg		6/20/2013
Benzo (k) fluoranthene	< 321	ug/Kg		6/20/2013
Bis (2-chloroethoxy) methane	< 321	ug/Kg		6/20/2013
Bis (2-chloroethyl) ether	< 321	ug/Kg		6/20/2013
Bis (2-chloroisopropyl) ether	< 321	ug/Kg		6/20/2013
Bis (2-ethylhexyl) phthalate	< 321	ug/Kg		6/20/2013
Butylbenzylphthalate	< 321	ug/Kg		6/20/2013
Caprolactam	< 321	ug/Kg		6/20/2013
Carbazole	< 321	ug/Kg		6/20/2013
Chrysene	< 321	ug/Kg		6/20/2013
Dibenz (a,h) anthracene	< 321	ug/Kg		6/20/2013
Dibenzofuran	< 321	ug/Kg		6/20/2013
Diethyl phthalate	< 321	ug/Kg		6/20/2013
Dimethyl phthalate	< 642	ug/Kg		6/20/2013
Di-n-butyl phthalate	< 321	ug/Kg		6/20/2013
Di-n-octylphthalate	< 321	ug/Kg		6/20/2013
Fluoranthene	**241**	ug/Kg	J	6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P4c
Lab Sample ID: 132208-09 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Fluorene	< 321	ug/Kg		6/20/2013
Hexachlorobenzene	< 321	ug/Kg		6/20/2013
Hexachlorobutadiene	< 321	ug/Kg		6/20/2013
Hexachlorocyclopentadiene	< 321	ug/Kg		6/20/2013
Hexachloroethane	< 321	ug/Kg		6/20/2013
Indeno (1,2,3-cd) pyrene	< 321	ug/Kg		6/20/2013
Isophorone	< 321	ug/Kg		6/20/2013
Naphthalene	< 321	ug/Kg		6/20/2013
Nitrobenzene	< 321	ug/Kg		6/20/2013
N-Nitroso-di-n-propylamine	< 321	ug/Kg		6/20/2013
N-Nitrosodiphenylamine	< 321	ug/Kg		6/20/2013
Pentachlorophenol	< 642	ug/Kg		6/20/2013
Phenanthrene	< 321	ug/Kg		6/20/2013
Phenol	< 321	ug/Kg		6/20/2013
Pyrene	**231**	ug/Kg	J	6/20/2013

Method Reference(s): EPA 8270C
EPA 3550C
Data File: S70414.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P5g1
Lab Sample ID: 132208-10 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 3.94	ug/Kg		6/20/2013
1,1,2,2-Tetrachloroethane	< 3.94	ug/Kg		6/20/2013
1,1,2-Trichloroethane	< 3.94	ug/Kg		6/20/2013
1,1-Dichloroethane	< 3.94	ug/Kg		6/20/2013
1,1-Dichloroethene	< 3.94	ug/Kg		6/20/2013
1,2,3-Trichlorobenzene	< 9.85	ug/Kg		6/20/2013
1,2,4-Trichlorobenzene	< 9.85	ug/Kg		6/20/2013
1,2,4-Trimethylbenzene	< 3.94	ug/Kg		6/20/2013
1,2-Dibromo-3-Chloropropane	< 19.7	ug/Kg		6/20/2013
1,2-Dibromoethane	< 3.94	ug/Kg		6/20/2013
1,2-Dichlorobenzene	< 3.94	ug/Kg		6/20/2013
1,2-Dichloroethane	< 3.94	ug/Kg		6/20/2013
1,2-Dichloropropane	< 3.94	ug/Kg		6/20/2013
1,3,5-Trimethylbenzene	< 3.94	ug/Kg		6/20/2013
1,3-Dichlorobenzene	< 3.94	ug/Kg		6/20/2013
1,4-Dichlorobenzene	< 3.94	ug/Kg		6/20/2013
1,4-dioxane	< 39.4	ug/Kg		6/20/2013
2-Butanone	< 19.7	ug/Kg		6/20/2013
2-Hexanone	< 9.85	ug/Kg		6/20/2013
4-Methyl-2-pentanone	< 9.85	ug/Kg		6/20/2013
Acetone	**18.5**	ug/Kg	J	6/20/2013
Benzene	< 3.94	ug/Kg		6/20/2013
Bromochloromethane	< 9.85	ug/Kg		6/20/2013
Bromodichloromethane	< 3.94	ug/Kg		6/20/2013
Bromoform	< 9.85	ug/Kg		6/20/2013
Bromomethane	< 3.94	ug/Kg		6/20/2013
Carbon disulfide	< 3.94	ug/Kg		6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P5g1
Lab Sample ID: 132208-10 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Carbon Tetrachloride	< 3.94	ug/Kg	6/20/2013
Chlorobenzene	< 3.94	ug/Kg	6/20/2013
Chloroethane	< 3.94	ug/Kg	6/20/2013
Chloroform	< 3.94	ug/Kg	6/20/2013
Chloromethane	< 3.94	ug/Kg	6/20/2013
cis-1,2-Dichloroethene	< 3.94	ug/Kg	6/20/2013
cis-1,3-Dichloropropene	< 3.94	ug/Kg	6/20/2013
Cyclohexane	< 19.7	ug/Kg	6/20/2013
Dibromochloromethane	< 3.94	ug/Kg	6/20/2013
Dichlorodifluoromethane	< 3.94	ug/Kg	6/20/2013
Ethylbenzene	**5.68**	ug/Kg	6/20/2013
Freon 113	< 3.94	ug/Kg	6/20/2013
Isopropylbenzene	< 3.94	ug/Kg	6/20/2013
m,p-Xylene	**16.2**	ug/Kg	6/20/2013
Methyl acetate	< 3.94	ug/Kg	6/20/2013
Methyl tert-butyl Ether	< 3.94	ug/Kg	6/20/2013
Methylcyclohexane	< 3.94	ug/Kg	6/20/2013
Methylene chloride	< 9.85	ug/Kg	6/20/2013
Naphthalene	< 9.85	ug/Kg	6/20/2013
n-Butylbenzene	< 3.94	ug/Kg	6/20/2013
n-Propylbenzene	< 3.94	ug/Kg	6/20/2013
o-Xylene	**8.16**	ug/Kg	6/20/2013
p-Isopropyltoluene	< 3.94	ug/Kg	6/20/2013
sec-Butylbenzene	< 3.94	ug/Kg	6/20/2013
Styrene	< 9.85	ug/Kg	6/20/2013
tert-Butylbenzene	< 3.94	ug/Kg	6/20/2013
Tetrachloroethene	**24.6**	ug/Kg	6/20/2013
Toluene	**4.79**	ug/Kg	6/20/2013
trans-1,2-Dichloroethene	< 3.94	ug/Kg	6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P5g1
Lab Sample ID: 132208-10 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

trans-1,3-Dichloropropene	< 3.94	ug/Kg		6/20/2013
Trichloroethene	**2.45**	ug/Kg	J	6/20/2013
Trichlorofluoromethane	< 3.94	ug/Kg		6/20/2013
Vinyl chloride	< 3.94	ug/Kg		6/20/2013

Surrogate outliers indicate probable matrix interference

Method Reference(s): EPA 8260B
EPA 5035

Data File: X06200.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P5g2
Lab Sample ID: 132208-11 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.50	ug/Kg		6/21/2013
1,1,2,2-Tetrachloroethane	< 4.50	ug/Kg		6/21/2013
1,1,2-Trichloroethane	< 4.50	ug/Kg		6/21/2013
1,1-Dichloroethane	< 4.50	ug/Kg		6/21/2013
1,1-Dichloroethene	< 4.50	ug/Kg		6/21/2013
1,2,3-Trichlorobenzene	< 11.3	ug/Kg		6/21/2013
1,2,4-Trichlorobenzene	< 11.3	ug/Kg		6/21/2013
1,2,4-Trimethylbenzene	**2.44**	ug/Kg	J	6/21/2013
1,2-Dibromo-3-Chloropropane	< 22.5	ug/Kg		6/21/2013
1,2-Dibromoethane	< 4.50	ug/Kg		6/21/2013
1,2-Dichlorobenzene	< 4.50	ug/Kg		6/21/2013
1,2-Dichloroethane	< 4.50	ug/Kg		6/21/2013
1,2-Dichloropropane	< 4.50	ug/Kg		6/21/2013
1,3,5-Trimethylbenzene	**6.54**	ug/Kg		6/21/2013
1,3-Dichlorobenzene	< 4.50	ug/Kg		6/21/2013
1,4-Dichlorobenzene	< 4.50	ug/Kg		6/21/2013
1,4-dioxane	< 45.0	ug/Kg		6/21/2013
2-Butanone	< 22.5	ug/Kg		6/21/2013
2-Hexanone	< 11.3	ug/Kg		6/21/2013
4-Methyl-2-pentanone	< 11.3	ug/Kg		6/21/2013
Acetone	**37.0**	ug/Kg		6/21/2013
Benzene	< 4.50	ug/Kg		6/21/2013
Bromochloromethane	< 11.3	ug/Kg		6/21/2013
Bromodichloromethane	< 4.50	ug/Kg		6/21/2013
Bromoform	< 11.3	ug/Kg		6/21/2013
Bromomethane	< 4.50	ug/Kg		6/21/2013
Carbon disulfide	< 4.50	ug/Kg		6/21/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P5g2
Lab Sample ID: 132208-11 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Carbon Tetrachloride	< 4.50	ug/Kg		6/21/2013
Chlorobenzene	< 4.50	ug/Kg		6/21/2013
Chloroethane	< 4.50	ug/Kg		6/21/2013
Chloroform	< 4.50	ug/Kg		6/21/2013
Chloromethane	< 4.50	ug/Kg		6/21/2013
cis-1,2-Dichloroethene	< 4.50	ug/Kg		6/21/2013
cis-1,3-Dichloropropene	< 4.50	ug/Kg		6/21/2013
Cyclohexane	< 22.5	ug/Kg		6/21/2013
Dibromochloromethane	< 4.50	ug/Kg		6/21/2013
Dichlorodifluoromethane	< 4.50	ug/Kg		6/21/2013
Ethylbenzene	**2.61**	ug/Kg	J	6/21/2013
Freon 113	< 4.50	ug/Kg		6/21/2013
Isopropylbenzene	< 4.50	ug/Kg		6/21/2013
m,p-Xylene	**6.80**	ug/Kg	B	6/21/2013
Methyl acetate	< 4.50	ug/Kg		6/21/2013
Methyl tert-butyl Ether	< 4.50	ug/Kg		6/21/2013
Methylcyclohexane	< 4.50	ug/Kg		6/21/2013
Methylene chloride	**9.08**	ug/Kg	J	6/21/2013
Naphthalene	< 11.3	ug/Kg		6/21/2013
n-Butylbenzene	< 4.50	ug/Kg		6/21/2013
n-Propylbenzene	< 4.50	ug/Kg		6/21/2013
o-Xylene	**3.62**	ug/Kg	J	6/21/2013
p-Isopropyltoluene	**6.29**	ug/Kg		6/21/2013
sec-Butylbenzene	< 4.50	ug/Kg		6/21/2013
Styrene	< 11.3	ug/Kg		6/21/2013
tert-Butylbenzene	< 4.50	ug/Kg		6/21/2013
Tetrachloroethene	**409**	ug/Kg		6/21/2013
Toluene	**3.68**	ug/Kg	J	6/21/2013
trans-1,2-Dichloroethene	< 4.50	ug/Kg		6/21/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P5g2
Lab Sample ID: 132208-11 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

trans-1,3-Dichloropropene	< 4.50	ug/Kg	6/21/2013
Trichloroethene	**19.4**	ug/Kg	6/21/2013
Trichlorofluoromethane	< 4.50	ug/Kg	6/21/2013
Vinyl chloride	< 4.50	ug/Kg	6/21/2013

Surrogate outliers indicate probable matrix interference

Method Reference(s): EPA 8260B
EPA 5035

Data File: X06215.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P5c
Lab Sample ID: 132208-12 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0351**	mg/Kg		6/19/2013

Method Reference(s): EPA 7471B
Data File: hg130619a

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P5c
Lab Sample ID: 132208-12 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**5.25**	mg/Kg		6/23/2013
Barium	**31.5**	mg/Kg		6/23/2013
Beryllium	< 0.539	mg/Kg		6/23/2013
Cadmium	**0.563**	mg/Kg		6/23/2013
Chromium	**9.92**	mg/Kg		6/24/2013
Copper	**24.4**	mg/Kg		6/23/2013
Lead (Axial)	**31.2**	mg/Kg		6/24/2013
Manganese	**530**	mg/Kg		6/23/2013
Nickel	**7.73**	mg/Kg		6/23/2013
Selenium	**0.679**	mg/Kg	J	6/23/2013
Silver	**1.29**	mg/Kg		6/23/2013
Zinc	**50.1**	mg/Kg		6/23/2013

Method Reference(s): EPA 6010C
EPA 3050
Data File: 062313a

Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P5c
Lab Sample ID: 132208-12 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0320	mg/Kg		6/24/2013
PCB-1221	< 0.0320	mg/Kg		6/24/2013
PCB-1232	< 0.0320	mg/Kg		6/24/2013
PCB-1242	< 0.0320	mg/Kg		6/24/2013
PCB-1248	< 0.0320	mg/Kg		6/24/2013
PCB-1254	< 0.0320	mg/Kg		6/24/2013
PCB-1260	**0.0250**	mg/Kg	J	6/24/2013
PCB-1262	< 0.0320	mg/Kg		6/24/2013
PCB-1268	**0.0265**	mg/Kg	J	6/24/2013

Surrogate outliers indicate probable matrix interference.

Method Reference(s): EPA 8082A
EPA 3550C

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P5c
Lab Sample ID: 132208-12
Matrix: Soil

Date Sampled: 6/14/2013
Date Received: 6/17/2013

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	< 3.20	ug/Kg		6/19/2013
4,4-DDE	< 3.20	ug/Kg		6/19/2013
4,4-DDT	< 3.20	ug/Kg		6/19/2013
Aldrin	< 3.20	ug/Kg		6/19/2013
alpha-BHC	< 3.20	ug/Kg		6/19/2013
beta-BHC	< 3.20	ug/Kg		6/19/2013
cis-Chlordane	< 3.20	ug/Kg		6/19/2013
delta-BHC	< 3.20	ug/Kg		6/19/2013
Dieldrin	< 3.20	ug/Kg		6/19/2013
Endosulfan I	< 3.20	ug/Kg		6/19/2013
Endosulfan II	< 3.20	ug/Kg		6/19/2013
Endosulfan Sulfate	< 3.20	ug/Kg		6/19/2013
Endrin	< 3.20	ug/Kg		6/19/2013
Endrin Aldehyde	**6.42**	ug/Kg	C	6/19/2013
Endrin Ketone	< 3.20	ug/Kg		6/19/2013
gamma-BHC (Lindane)	< 3.20	ug/Kg		6/19/2013
Heptachlor	< 3.20	ug/Kg		6/19/2013
Heptachlor Epoxide	< 3.20	ug/Kg		6/19/2013
Methoxychlor	< 3.20	ug/Kg		6/19/2013
Toxaphene	< 32.0	ug/Kg		6/19/2013
trans-Chlordane	< 3.20	ug/Kg		6/19/2013

Method Reference(s): EPA 8081B
EPA 3550C

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P5c
Lab Sample ID: 132208-12 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 319	ug/Kg		6/20/2013
1,2,4,5-Tetrachlorobenzene	< 319	ug/Kg		6/20/2013
1,2,4-Trichlorobenzene	< 319	ug/Kg		6/20/2013
1,2-Dichlorobenzene	< 319	ug/Kg		6/20/2013
1,3-Dichlorobenzene	< 319	ug/Kg		6/20/2013
1,4-Dichlorobenzene	< 319	ug/Kg		6/20/2013
2,3,4,6-Tetrachlorophenol	< 319	ug/Kg		6/20/2013
2,4,5-Trichlorophenol	< 638	ug/Kg		6/20/2013
2,4,6-Trichlorophenol	< 319	ug/Kg		6/20/2013
2,4-Dichlorophenol	< 319	ug/Kg		6/20/2013
2,4-Dimethylphenol	< 319	ug/Kg		6/20/2013
2,4-Dinitrophenol	< 638	ug/Kg		6/20/2013
2,4-Dinitrotoluene	< 319	ug/Kg		6/20/2013
2,6-Dinitrotoluene	< 319	ug/Kg		6/20/2013
2-Chloronaphthalene	< 319	ug/Kg		6/20/2013
2-Chlorophenol	< 319	ug/Kg		6/20/2013
2-Methylnapthalene	< 319	ug/Kg		6/20/2013
2-Methylphenol	< 319	ug/Kg		6/20/2013
2-Nitroaniline	< 638	ug/Kg		6/20/2013
2-Nitrophenol	< 319	ug/Kg		6/20/2013
3&4-Methylphenol	< 319	ug/Kg		6/20/2013
3,3'-Dichlorobenzidine	< 319	ug/Kg		6/20/2013
3-Nitroaniline	< 638	ug/Kg		6/20/2013
4,6-Dinitro-2-methylphenol	< 638	ug/Kg		6/20/2013
4-Bromophenyl phenyl ether	< 319	ug/Kg		6/20/2013
4-Chloro-3-methylphenol	< 319	ug/Kg		6/20/2013
4-Chloroaniline	< 319	ug/Kg		6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P5c
Lab Sample ID: 132208-12 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

4-Chlorophenyl phenyl ether	< 319	ug/Kg		6/20/2013
4-Nitroaniline	< 638	ug/Kg		6/20/2013
4-Nitrophenol	< 638	ug/Kg		6/20/2013
Acenaphthene	< 319	ug/Kg		6/20/2013
Acenaphthylene	< 319	ug/Kg		6/20/2013
Acetophenone	< 319	ug/Kg		6/20/2013
Anthracene	< 319	ug/Kg		6/20/2013
Atrazine	< 319	ug/Kg		6/20/2013
Benzaldehyde	< 319	ug/Kg		6/20/2013
Benzo (a) anthracene	< 319	ug/Kg		6/20/2013
Benzo (a) pyrene	< 319	ug/Kg		6/20/2013
Benzo (b) fluoranthene	< 319	ug/Kg		6/20/2013
Benzo (g,h,i) perylene	< 319	ug/Kg		6/20/2013
Benzo (k) fluoranthene	< 319	ug/Kg		6/20/2013
Bis (2-chloroethoxy) methane	< 319	ug/Kg		6/20/2013
Bis (2-chloroethyl) ether	< 319	ug/Kg		6/20/2013
Bis (2-chloroisopropyl) ether	< 319	ug/Kg		6/20/2013
Bis (2-ethylhexyl) phthalate	< 319	ug/Kg		6/20/2013
Butylbenzylphthalate	< 319	ug/Kg		6/20/2013
Caprolactam	< 319	ug/Kg		6/20/2013
Carbazole	< 319	ug/Kg		6/20/2013
Chrysene	**174**	ug/Kg	J	6/20/2013
Dibenz (a,h) anthracene	< 319	ug/Kg		6/20/2013
Dibenzofuran	< 319	ug/Kg		6/20/2013
Diethyl phthalate	< 319	ug/Kg		6/20/2013
Dimethyl phthalate	< 638	ug/Kg		6/20/2013
Di-n-butyl phthalate	< 319	ug/Kg		6/20/2013
Di-n-octylphthalate	< 319	ug/Kg		6/20/2013
Fluoranthene	< 319	ug/Kg		6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P5c
Lab Sample ID: 132208-12 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Fluorene	< 319	ug/Kg	6/20/2013
Hexachlorobenzene	< 319	ug/Kg	6/20/2013
Hexachlorobutadiene	< 319	ug/Kg	6/20/2013
Hexachlorocyclopentadiene	< 319	ug/Kg	6/20/2013
Hexachloroethane	< 319	ug/Kg	6/20/2013
Indeno (1,2,3-cd) pyrene	< 319	ug/Kg	6/20/2013
Isophorone	< 319	ug/Kg	6/20/2013
Naphthalene	< 319	ug/Kg	6/20/2013
Nitrobenzene	< 319	ug/Kg	6/20/2013
N-Nitroso-di-n-propylamine	< 319	ug/Kg	6/20/2013
N-Nitrosodiphenylamine	< 319	ug/Kg	6/20/2013
Pentachlorophenol	< 638	ug/Kg	6/20/2013
Phenanthrene	< 319	ug/Kg	6/20/2013
Phenol	< 319	ug/Kg	6/20/2013
Pyrene	< 319	ug/Kg	6/20/2013

Method Reference(s): EPA 8270C
EPA 3550C
Data File: S70415.D

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P6g
Lab Sample ID: 132208-13
Matrix: Soil

Date Sampled: 6/14/2013
Date Received: 6/17/2013

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 3.56	ug/Kg		6/20/2013
1,1,2,2-Tetrachloroethane	< 3.56	ug/Kg		6/20/2013
1,1,2-Trichloroethane	< 3.56	ug/Kg		6/20/2013
1,1-Dichloroethane	< 3.56	ug/Kg		6/20/2013
1,1-Dichloroethene	< 3.56	ug/Kg		6/20/2013
1,2,3-Trichlorobenzene	< 8.91	ug/Kg		6/20/2013
1,2,4-Trichlorobenzene	< 8.91	ug/Kg		6/20/2013
1,2,4-Trimethylbenzene	< 3.56	ug/Kg		6/20/2013
1,2-Dibromo-3-Chloropropane	< 17.8	ug/Kg		6/20/2013
1,2-Dibromoethane	< 3.56	ug/Kg		6/20/2013
1,2-Dichlorobenzene	< 3.56	ug/Kg		6/20/2013
1,2-Dichloroethane	< 3.56	ug/Kg		6/20/2013
1,2-Dichloropropane	< 3.56	ug/Kg		6/20/2013
1,3,5-Trimethylbenzene	**80.3**	ug/Kg		6/20/2013
1,3-Dichlorobenzene	< 3.56	ug/Kg		6/20/2013
1,4-Dichlorobenzene	< 3.56	ug/Kg		6/20/2013
1,4-dioxane	< 35.6	ug/Kg		6/20/2013
2-Butanone	< 17.8	ug/Kg		6/20/2013
2-Hexanone	< 8.91	ug/Kg		6/20/2013
4-Methyl-2-pentanone	< 8.91	ug/Kg		6/20/2013
Acetone	< 17.8	ug/Kg		6/20/2013
Benzene	< 3.56	ug/Kg		6/20/2013
Bromochloromethane	< 8.91	ug/Kg		6/20/2013
Bromodichloromethane	< 3.56	ug/Kg		6/20/2013
Bromoform	< 8.91	ug/Kg		6/20/2013
Bromomethane	< 3.56	ug/Kg		6/20/2013
Carbon disulfide	< 3.56	ug/Kg		6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P6g
Lab Sample ID: 132208-13 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Carbon Tetrachloride	< 3.56	ug/Kg		6/20/2013
Chlorobenzene	< 3.56	ug/Kg		6/20/2013
Chloroethane	< 3.56	ug/Kg		6/20/2013
Chloroform	< 3.56	ug/Kg		6/20/2013
Chloromethane	< 3.56	ug/Kg		6/20/2013
cis-1,2-Dichloroethene	**2.87**	ug/Kg	J	6/20/2013
cis-1,3-Dichloropropene	< 3.56	ug/Kg		6/20/2013
Cyclohexane	< 17.8	ug/Kg		6/20/2013
Dibromochloromethane	< 3.56	ug/Kg		6/20/2013
Dichlorodifluoromethane	< 3.56	ug/Kg		6/20/2013
Ethylbenzene	**2.77**	ug/Kg	J	6/20/2013
Freon 113	< 3.56	ug/Kg		6/20/2013
Isopropylbenzene	< 3.56	ug/Kg		6/20/2013
m,p-Xylene	**8.50**	ug/Kg		6/20/2013
Methyl acetate	< 3.56	ug/Kg		6/20/2013
Methyl tert-butyl Ether	< 3.56	ug/Kg		6/20/2013
Methylcyclohexane	< 3.56	ug/Kg		6/20/2013
Methylene chloride	< 8.91	ug/Kg		6/20/2013
Naphthalene	< 8.91	ug/Kg		6/20/2013
n-Butylbenzene	< 3.56	ug/Kg		6/20/2013
n-Propylbenzene	< 3.56	ug/Kg		6/20/2013
o-Xylene	**4.77**	ug/Kg		6/20/2013
p-Isopropyltoluene	**26.0**	ug/Kg		6/20/2013
sec-Butylbenzene	< 3.56	ug/Kg		6/20/2013
Styrene	< 8.91	ug/Kg		6/20/2013
tert-Butylbenzene	< 3.56	ug/Kg		6/20/2013
Tetrachloroethene	**4.34**	ug/Kg		6/20/2013
Toluene	**3.38**	ug/Kg	J	6/20/2013
trans-1,2-Dichloroethene	< 3.56	ug/Kg		6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P6g
Lab Sample ID: 132208-13 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

trans-1,3-Dichloropropene	< 3.56	ug/Kg	6/20/2013
Trichloroethene	**33.2**	ug/Kg	6/20/2013
Trichlorofluoromethane	< 3.56	ug/Kg	6/20/2013
Vinyl chloride	< 3.56	ug/Kg	6/20/2013

Method Reference(s): EPA 8260B
EPA 5035
Data File: X06202.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P6c
Lab Sample ID: 132208-14 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	< 0.0169	mg/Kg		6/19/2013

Method Reference(s): EPA 7471B
Data File: hg130619a

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Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P6c
Lab Sample ID: 132208-14 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**2.28**	mg/Kg		6/23/2013
Barium	**31.4**	mg/Kg		6/23/2013
Beryllium	< 0.577	mg/Kg		6/23/2013
Cadmium	**0.357**	mg/Kg	J	6/23/2013
Chromium	**8.30**	mg/Kg		6/24/2013
Copper	**15.8**	mg/Kg		6/23/2013
Lead (Axial)	**12.0**	mg/Kg		6/24/2013
Manganese	**326**	mg/Kg		6/23/2013
Nickel	**6.68**	mg/Kg		6/23/2013
Selenium	< 1.15	mg/Kg		6/23/2013
Silver	**1.01**	mg/Kg	J	6/23/2013
Zinc	**37.7**	mg/Kg		6/23/2013

Method Reference(s): EPA 6010C
EPA 3050
Data File: 062313a

Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P6c
Lab Sample ID: 132208-14 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0318	mg/Kg		6/24/2013
PCB-1221	< 0.0318	mg/Kg		6/24/2013
PCB-1232	< 0.0318	mg/Kg		6/24/2013
PCB-1242	< 0.0318	mg/Kg		6/24/2013
PCB-1248	< 0.0318	mg/Kg		6/24/2013
PCB-1254	< 0.0318	mg/Kg		6/24/2013
PCB-1260	< 0.0318	mg/Kg		6/24/2013
PCB-1262	< 0.0318	mg/Kg		6/24/2013
PCB-1268	< 0.0318	mg/Kg		6/24/2013

Surrogate outliers indicate probable matrix interference.

Method Reference(s): EPA 8082A
EPA 3550C

Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P6c
Lab Sample ID: 132208-14
Matrix: Soil

Date Sampled: 6/14/2013
Date Received: 6/17/2013

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	< 3.18	ug/Kg		6/19/2013
4,4-DDE	< 3.18	ug/Kg		6/19/2013
4,4-DDT	< 3.18	ug/Kg		6/19/2013
Aldrin	< 3.18	ug/Kg		6/19/2013
alpha-BHC	< 3.18	ug/Kg		6/19/2013
beta-BHC	< 3.18	ug/Kg		6/19/2013
cis-Chlordane	< 3.18	ug/Kg		6/19/2013
delta-BHC	< 3.18	ug/Kg		6/19/2013
Dieldrin	< 3.18	ug/Kg		6/19/2013
Endosulfan I	< 3.18	ug/Kg		6/19/2013
Endosulfan II	< 3.18	ug/Kg		6/19/2013
Endosulfan Sulfate	< 3.18	ug/Kg		6/19/2013
Endrin	< 3.18	ug/Kg		6/19/2013
Endrin Aldehyde	**3.71**	ug/Kg		6/19/2013
Endrin Ketone	< 3.18	ug/Kg		6/19/2013
gamma-BHC (Lindane)	< 3.18	ug/Kg		6/19/2013
Heptachlor	< 3.18	ug/Kg		6/19/2013
Heptachlor Epoxide	< 3.18	ug/Kg		6/19/2013
Methoxychlor	< 3.18	ug/Kg		6/19/2013
Toxaphene	< 31.8	ug/Kg		6/19/2013
trans-Chlordane	< 3.18	ug/Kg		6/19/2013

Method Reference(s): EPA 8081B
EPA 3550C

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P6c
Lab Sample ID: 132208-14 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 321	ug/Kg		6/20/2013
1,2,4,5-Tetrachlorobenzene	< 321	ug/Kg		6/20/2013
1,2,4-Trichlorobenzene	< 321	ug/Kg		6/20/2013
1,2-Dichlorobenzene	< 321	ug/Kg		6/20/2013
1,3-Dichlorobenzene	< 321	ug/Kg		6/20/2013
1,4-Dichlorobenzene	< 321	ug/Kg		6/20/2013
2,3,4,6-Tetrachlorophenol	< 321	ug/Kg		6/20/2013
2,4,5-Trichlorophenol	< 642	ug/Kg		6/20/2013
2,4,6-Trichlorophenol	< 321	ug/Kg		6/20/2013
2,4-Dichlorophenol	< 321	ug/Kg		6/20/2013
2,4-Dimethylphenol	< 321	ug/Kg		6/20/2013
2,4-Dinitrophenol	< 642	ug/Kg		6/20/2013
2,4-Dinitrotoluene	< 321	ug/Kg		6/20/2013
2,6-Dinitrotoluene	< 321	ug/Kg		6/20/2013
2-Chloronaphthalene	< 321	ug/Kg		6/20/2013
2-Chlorophenol	< 321	ug/Kg		6/20/2013
2-Methylnapthalene	< 321	ug/Kg		6/20/2013
2-Methylphenol	< 321	ug/Kg		6/20/2013
2-Nitroaniline	< 642	ug/Kg		6/20/2013
2-Nitrophenol	< 321	ug/Kg		6/20/2013
3&4-Methylphenol	< 321	ug/Kg		6/20/2013
3,3'-Dichlorobenzidine	< 321	ug/Kg		6/20/2013
3-Nitroaniline	< 642	ug/Kg		6/20/2013
4,6-Dinitro-2-methylphenol	< 642	ug/Kg		6/20/2013
4-Bromophenyl phenyl ether	< 321	ug/Kg		6/20/2013
4-Chloro-3-methylphenol	< 321	ug/Kg		6/20/2013
4-Chloroaniline	< 321	ug/Kg		6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P6c
Lab Sample ID: 132208-14 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

4-Chlorophenyl phenyl ether	< 321	ug/Kg	6/20/2013
4-Nitroaniline	< 642	ug/Kg	6/20/2013
4-Nitrophenol	< 642	ug/Kg	6/20/2013
Acenaphthene	< 321	ug/Kg	6/20/2013
Acenaphthylene	< 321	ug/Kg	6/20/2013
Acetophenone	< 321	ug/Kg	6/20/2013
Anthracene	< 321	ug/Kg	6/20/2013
Atrazine	< 321	ug/Kg	6/20/2013
Benzaldehyde	< 321	ug/Kg	6/20/2013
Benzo (a) anthracene	< 321	ug/Kg	6/20/2013
Benzo (a) pyrene	< 321	ug/Kg	6/20/2013
Benzo (b) fluoranthene	< 321	ug/Kg	6/20/2013
Benzo (g,h,i) perylene	< 321	ug/Kg	6/20/2013
Benzo (k) fluoranthene	< 321	ug/Kg	6/20/2013
Bis (2-chloroethoxy) methane	< 321	ug/Kg	6/20/2013
Bis (2-chloroethyl) ether	< 321	ug/Kg	6/20/2013
Bis (2-chloroisopropyl) ether	< 321	ug/Kg	6/20/2013
Bis (2-ethylhexyl) phthalate	< 321	ug/Kg	6/20/2013
Butylbenzylphthalate	< 321	ug/Kg	6/20/2013
Caprolactam	< 321	ug/Kg	6/20/2013
Carbazole	< 321	ug/Kg	6/20/2013
Chrysene	< 321	ug/Kg	6/20/2013
Dibenz (a,h) anthracene	< 321	ug/Kg	6/20/2013
Dibenzofuran	< 321	ug/Kg	6/20/2013
Diethyl phthalate	< 321	ug/Kg	6/20/2013
Dimethyl phthalate	< 642	ug/Kg	6/20/2013
Di-n-butyl phthalate	< 321	ug/Kg	6/20/2013
Di-n-octylphthalate	< 321	ug/Kg	6/20/2013
Fluoranthene	< 321	ug/Kg	6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P6c
Lab Sample ID: 132208-14 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Fluorene	< 321	ug/Kg	6/20/2013
Hexachlorobenzene	< 321	ug/Kg	6/20/2013
Hexachlorobutadiene	< 321	ug/Kg	6/20/2013
Hexachlorocyclopentadiene	< 321	ug/Kg	6/20/2013
Hexachloroethane	< 321	ug/Kg	6/20/2013
Indeno (1,2,3-cd) pyrene	< 321	ug/Kg	6/20/2013
Isophorone	< 321	ug/Kg	6/20/2013
Naphthalene	< 321	ug/Kg	6/20/2013
Nitrobenzene	< 321	ug/Kg	6/20/2013
N-Nitroso-di-n-propylamine	< 321	ug/Kg	6/20/2013
N-Nitrosodiphenylamine	< 321	ug/Kg	6/20/2013
Pentachlorophenol	< 642	ug/Kg	6/20/2013
Phenanthrene	< 321	ug/Kg	6/20/2013
Phenol	< 321	ug/Kg	6/20/2013
Pyrene	< 321	ug/Kg	6/20/2013

Method Reference(s): EPA 8270C
EPA 3550C
Data File: S70416.D

Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P8c
Lab Sample ID: 132208-15 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0127**	mg/Kg	J	6/19/2013

Method Reference(s): EPA 7471B
Data File: hg130619a

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Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P8c
Lab Sample ID: 132208-15
Matrix: Soil

Date Sampled: 6/14/2013
Date Received: 6/17/2013

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**2.60**	mg/Kg		6/23/2013
Barium	**38.6**	mg/Kg		6/23/2013
Beryllium	**0.321**	mg/Kg	J	6/23/2013
Cadmium	**0.533**	mg/Kg		6/23/2013
Chromium	**8.94**	mg/Kg		6/24/2013
Copper	**44.9**	mg/Kg		6/23/2013
Lead (Axial)	**36.9**	mg/Kg		6/24/2013
Manganese	**271**	mg/Kg		6/23/2013
Nickel	**8.81**	mg/Kg		6/23/2013
Selenium	< 1.04	mg/Kg		6/23/2013
Silver	**1.80**	mg/Kg		6/23/2013
Zinc	**51.2**	mg/Kg		6/23/2013

Method Reference(s): EPA 6010C
EPA 3050

Data File: 062313a

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P8c
Lab Sample ID: 132208-15
Matrix: Soil

Date Sampled: 6/14/2013
Date Received: 6/17/2013

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0332	mg/Kg		6/24/2013
PCB-1221	< 0.0332	mg/Kg		6/24/2013
PCB-1232	< 0.0332	mg/Kg		6/24/2013
PCB-1242	< 0.0332	mg/Kg		6/24/2013
PCB-1248	< 0.0332	mg/Kg		6/24/2013
PCB-1254	< 0.0332	mg/Kg		6/24/2013
PCB-1260	< 0.0332	mg/Kg		6/24/2013
PCB-1262	< 0.0332	mg/Kg		6/24/2013
PCB-1268	< 0.0332	mg/Kg		6/24/2013

Surrogate outliers indicate probable matrix interference.

Method Reference(s): EPA 8082A
EPA 3550C

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P8c
Lab Sample ID: 132208-15
Matrix: Soil

Date Sampled: 6/14/2013
Date Received: 6/17/2013

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	< 3.32	ug/Kg		6/19/2013
4,4-DDE	< 3.32	ug/Kg		6/19/2013
4,4-DDT	**3.41**	ug/Kg	J	6/19/2013
Aldrin	< 3.32	ug/Kg		6/19/2013
alpha-BHC	< 3.32	ug/Kg		6/19/2013
beta-BHC	< 3.32	ug/Kg		6/19/2013
cis-Chlordane	< 3.32	ug/Kg		6/19/2013
delta-BHC	< 3.32	ug/Kg		6/19/2013
Dieldrin	< 3.32	ug/Kg		6/19/2013
Endosulfan I	< 3.32	ug/Kg		6/19/2013
Endosulfan II	< 3.32	ug/Kg		6/19/2013
Endosulfan Sulfate	< 3.32	ug/Kg		6/19/2013
Endrin	< 3.32	ug/Kg		6/19/2013
Endrin Aldehyde	**2.71**	ug/Kg		6/19/2013
Endrin Ketone	< 3.32	ug/Kg		6/19/2013
gamma-BHC (Lindane)	< 3.32	ug/Kg		6/19/2013
Heptachlor	< 3.32	ug/Kg		6/19/2013
Heptachlor Epoxide	< 3.32	ug/Kg		6/19/2013
Methoxychlor	< 3.32	ug/Kg		6/19/2013
Toxaphene	< 33.2	ug/Kg		6/19/2013
trans-Chlordane	< 3.32	ug/Kg		6/19/2013

Method Reference(s): EPA 8081B
EPA 3550C

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P8c
Lab Sample ID: 132208-15 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 331	ug/Kg		6/20/2013
1,2,4,5-Tetrachlorobenzene	< 331	ug/Kg		6/20/2013
1,2,4-Trichlorobenzene	< 331	ug/Kg		6/20/2013
1,2-Dichlorobenzene	< 331	ug/Kg		6/20/2013
1,3-Dichlorobenzene	< 331	ug/Kg		6/20/2013
1,4-Dichlorobenzene	< 331	ug/Kg		6/20/2013
2,3,4,6-Tetrachlorophenol	< 331	ug/Kg		6/20/2013
2,4,5-Trichlorophenol	< 662	ug/Kg		6/20/2013
2,4,6-Trichlorophenol	< 331	ug/Kg		6/20/2013
2,4-Dichlorophenol	< 331	ug/Kg		6/20/2013
2,4-Dimethylphenol	< 331	ug/Kg		6/20/2013
2,4-Dinitrophenol	< 662	ug/Kg		6/20/2013
2,4-Dinitrotoluene	< 331	ug/Kg		6/20/2013
2,6-Dinitrotoluene	< 331	ug/Kg		6/20/2013
2-Chloronaphthalene	< 331	ug/Kg		6/20/2013
2-Chlorophenol	< 331	ug/Kg		6/20/2013
2-Methylnapthalene	< 331	ug/Kg		6/20/2013
2-Methylphenol	< 331	ug/Kg		6/20/2013
2-Nitroaniline	< 662	ug/Kg		6/20/2013
2-Nitrophenol	< 331	ug/Kg		6/20/2013
3&4-Methylphenol	< 331	ug/Kg		6/20/2013
3,3'-Dichlorobenzidine	< 331	ug/Kg		6/20/2013
3-Nitroaniline	< 662	ug/Kg		6/20/2013
4,6-Dinitro-2-methylphenol	< 662	ug/Kg		6/20/2013
4-Bromophenyl phenyl ether	< 331	ug/Kg		6/20/2013
4-Chloro-3-methylphenol	< 331	ug/Kg		6/20/2013
4-Chloroaniline	< 331	ug/Kg		6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P8c
Lab Sample ID: 132208-15 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

4-Chlorophenyl phenyl ether	< 331	ug/Kg	6/20/2013
4-Nitroaniline	< 662	ug/Kg	6/20/2013
4-Nitrophenol	< 662	ug/Kg	6/20/2013
Acenaphthene	< 331	ug/Kg	6/20/2013
Acenaphthylene	< 331	ug/Kg	6/20/2013
Acetophenone	< 331	ug/Kg	6/20/2013
Anthracene	< 331	ug/Kg	6/20/2013
Atrazine	< 331	ug/Kg	6/20/2013
Benzaldehyde	< 331	ug/Kg	6/20/2013
Benzo (a) anthracene	< 331	ug/Kg	6/20/2013
Benzo (a) pyrene	< 331	ug/Kg	6/20/2013
Benzo (b) fluoranthene	< 331	ug/Kg	6/20/2013
Benzo (g,h,i) perylene	< 331	ug/Kg	6/20/2013
Benzo (k) fluoranthene	< 331	ug/Kg	6/20/2013
Bis (2-chloroethoxy) methane	< 331	ug/Kg	6/20/2013
Bis (2-chloroethyl) ether	< 331	ug/Kg	6/20/2013
Bis (2-chloroisopropyl) ether	< 331	ug/Kg	6/20/2013
Bis (2-ethylhexyl) phthalate	< 331	ug/Kg	6/20/2013
Butylbenzylphthalate	< 331	ug/Kg	6/20/2013
Caprolactam	< 331	ug/Kg	6/20/2013
Carbazole	< 331	ug/Kg	6/20/2013
Chrysene	< 331	ug/Kg	6/20/2013
Dibenz (a,h) anthracene	< 331	ug/Kg	6/20/2013
Dibenzofuran	< 331	ug/Kg	6/20/2013
Diethyl phthalate	< 331	ug/Kg	6/20/2013
Dimethyl phthalate	< 662	ug/Kg	6/20/2013
Di-n-butyl phthalate	< 331	ug/Kg	6/20/2013
Di-n-octylphthalate	< 331	ug/Kg	6/20/2013
Fluoranthene	< 331	ug/Kg	6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P8c
Lab Sample ID: 132208-15 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Fluorene	< 331	ug/Kg	6/20/2013
Hexachlorobenzene	< 331	ug/Kg	6/20/2013
Hexachlorobutadiene	< 331	ug/Kg	6/20/2013
Hexachlorocyclopentadiene	< 331	ug/Kg	6/20/2013
Hexachloroethane	< 331	ug/Kg	6/20/2013
Indeno (1,2,3-cd) pyrene	< 331	ug/Kg	6/20/2013
Isophorone	< 331	ug/Kg	6/20/2013
Naphthalene	< 331	ug/Kg	6/20/2013
Nitrobenzene	< 331	ug/Kg	6/20/2013
N-Nitroso-di-n-propylamine	< 331	ug/Kg	6/20/2013
N-Nitrosodiphenylamine	< 331	ug/Kg	6/20/2013
Pentachlorophenol	< 662	ug/Kg	6/20/2013
Phenanthrene	< 331	ug/Kg	6/20/2013
Phenol	< 331	ug/Kg	6/20/2013
Pyrene	< 331	ug/Kg	6/20/2013

Method Reference(s): EPA 8270C
EPA 3550C
Data File: S70417.D

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P9g
Lab Sample ID: 132208-16 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 3.96	ug/Kg		6/20/2013
1,1,2,2-Tetrachloroethane	< 3.96	ug/Kg		6/20/2013
1,1,2-Trichloroethane	< 3.96	ug/Kg		6/20/2013
1,1-Dichloroethane	< 3.96	ug/Kg		6/20/2013
1,1-Dichloroethene	< 3.96	ug/Kg		6/20/2013
1,2,3-Trichlorobenzene	< 9.90	ug/Kg		6/20/2013
1,2,4-Trichlorobenzene	< 9.90	ug/Kg		6/20/2013
1,2,4-Trimethylbenzene	< 3.96	ug/Kg		6/20/2013
1,2-Dibromo-3-Chloropropane	< 19.8	ug/Kg		6/20/2013
1,2-Dibromoethane	< 3.96	ug/Kg		6/20/2013
1,2-Dichlorobenzene	< 3.96	ug/Kg		6/20/2013
1,2-Dichloroethane	< 3.96	ug/Kg		6/20/2013
1,2-Dichloropropane	< 3.96	ug/Kg		6/20/2013
1,3,5-Trimethylbenzene	< 3.96	ug/Kg		6/20/2013
1,3-Dichlorobenzene	< 3.96	ug/Kg		6/20/2013
1,4-Dichlorobenzene	< 3.96	ug/Kg		6/20/2013
1,4-dioxane	< 39.6	ug/Kg		6/20/2013
2-Butanone	< 19.8	ug/Kg		6/20/2013
2-Hexanone	< 9.90	ug/Kg		6/20/2013
4-Methyl-2-pentanone	< 9.90	ug/Kg		6/20/2013
Acetone	< 19.8	ug/Kg		6/20/2013
Benzene	< 3.96	ug/Kg		6/20/2013
Bromochloromethane	< 9.90	ug/Kg		6/20/2013
Bromodichloromethane	< 3.96	ug/Kg		6/20/2013
Bromoform	< 9.90	ug/Kg		6/20/2013
Bromomethane	< 3.96	ug/Kg		6/20/2013
Carbon disulfide	< 3.96	ug/Kg		6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P9g
Lab Sample ID: 132208-16 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Carbon Tetrachloride	< 3.96	ug/Kg	6/20/2013
Chlorobenzene	< 3.96	ug/Kg	6/20/2013
Chloroethane	< 3.96	ug/Kg	6/20/2013
Chloroform	< 3.96	ug/Kg	6/20/2013
Chloromethane	< 3.96	ug/Kg	6/20/2013
cis-1,2-Dichloroethene	< 3.96	ug/Kg	6/20/2013
cis-1,3-Dichloropropene	< 3.96	ug/Kg	6/20/2013
Cyclohexane	< 19.8	ug/Kg	6/20/2013
Dibromochloromethane	< 3.96	ug/Kg	6/20/2013
Dichlorodifluoromethane	< 3.96	ug/Kg	6/20/2013
Ethylbenzene	< 3.96	ug/Kg	6/20/2013
Freon 113	< 3.96	ug/Kg	6/20/2013
Isopropylbenzene	< 3.96	ug/Kg	6/20/2013
m,p-Xylene	< 3.96	ug/Kg	6/20/2013
Methyl acetate	< 3.96	ug/Kg	6/20/2013
Methyl tert-butyl Ether	< 3.96	ug/Kg	6/20/2013
Methylcyclohexane	< 3.96	ug/Kg	6/20/2013
Methylene chloride	< 9.90	ug/Kg	6/20/2013
Naphthalene	< 9.90	ug/Kg	6/20/2013
n-Butylbenzene	< 3.96	ug/Kg	6/20/2013
n-Propylbenzene	< 3.96	ug/Kg	6/20/2013
o-Xylene	< 3.96	ug/Kg	6/20/2013
p-Isopropyltoluene	< 3.96	ug/Kg	6/20/2013
sec-Butylbenzene	< 3.96	ug/Kg	6/20/2013
Styrene	< 9.90	ug/Kg	6/20/2013
tert-Butylbenzene	< 3.96	ug/Kg	6/20/2013
Tetrachloroethene	**8.98**	ug/Kg	6/20/2013
Toluene	< 3.96	ug/Kg	6/20/2013
trans-1,2-Dichloroethene	< 3.96	ug/Kg	6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P9g
Lab Sample ID: 132208-16 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

trans-1,3-Dichloropropene	< 3.96	ug/Kg	6/20/2013
Trichloroethene	< 3.96	ug/Kg	6/20/2013
Trichlorofluoromethane	< 3.96	ug/Kg	6/20/2013
Vinyl chloride	< 3.96	ug/Kg	6/20/2013

Surrogate outliers indicate probable matrix interference

Method Reference(s): EPA 8260B
EPA 5035

Data File: X06203.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P9c
Lab Sample ID: 132208-17 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0961**	mg/Kg		6/19/2013

Method Reference(s): EPA 7471B
Data File: hg130619a

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P9c
Lab Sample ID: 132208-17 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**2.38**	mg/Kg		6/23/2013
Barium	**37.3**	mg/Kg		6/23/2013
Beryllium	< 0.584	mg/Kg		6/23/2013
Cadmium	**0.455**	mg/Kg	J	6/23/2013
Chromium	**10.9**	mg/Kg		6/24/2013
Copper	**24.1**	mg/Kg		6/23/2013
Lead (Axial)	**31.2**	mg/Kg		6/24/2013
Manganese	**314**	mg/Kg		6/23/2013
Nickel	**7.39**	mg/Kg		6/23/2013
Selenium	< 1.17	mg/Kg		6/23/2013
Silver	**1.16**	mg/Kg	J	6/23/2013
Zinc	**52.7**	mg/Kg		6/23/2013

Method Reference(s): EPA 6010C
EPA 3050
Data File: 062313a

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P9c
Lab Sample ID: 132208-17 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0321	mg/Kg		6/24/2013
PCB-1221	< 0.0321	mg/Kg		6/24/2013
PCB-1232	< 0.0321	mg/Kg		6/24/2013
PCB-1242	< 0.0321	mg/Kg		6/24/2013
PCB-1248	< 0.0321	mg/Kg		6/24/2013
PCB-1254	< 0.0321	mg/Kg		6/24/2013
PCB-1260	< 0.0321	mg/Kg		6/24/2013
PCB-1262	< 0.0321	mg/Kg		6/24/2013
PCB-1268	< 0.0321	mg/Kg		6/24/2013

Surrogate outliers indicate probable matrix interference.

Method Reference(s): EPA 8082A
EPA 3550C

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P9c
Lab Sample ID: 132208-17
Matrix: Soil

Date Sampled: 6/14/2013
Date Received: 6/17/2013

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	< 3.21	ug/Kg		6/19/2013
4,4-DDE	< 3.21	ug/Kg		6/19/2013
4,4-DDT	< 3.21	ug/Kg		6/19/2013
Aldrin	< 3.21	ug/Kg		6/19/2013
alpha-BHC	< 3.21	ug/Kg		6/19/2013
beta-BHC	< 3.21	ug/Kg		6/19/2013
cis-Chlordane	< 3.21	ug/Kg		6/19/2013
delta-BHC	< 3.21	ug/Kg		6/19/2013
Dieldrin	< 3.21	ug/Kg		6/19/2013
Endosulfan I	< 3.21	ug/Kg		6/19/2013
Endosulfan II	< 3.21	ug/Kg		6/19/2013
Endosulfan Sulfate	< 3.21	ug/Kg		6/19/2013
Endrin	< 3.21	ug/Kg		6/19/2013
Endrin Aldehyde	< 3.21	ug/Kg		6/19/2013
Endrin Ketone	< 3.21	ug/Kg		6/19/2013
gamma-BHC (Lindane)	< 3.21	ug/Kg		6/19/2013
Heptachlor	< 3.21	ug/Kg		6/19/2013
Heptachlor Epoxide	< 3.21	ug/Kg		6/19/2013
Methoxychlor	< 3.21	ug/Kg		6/19/2013
Toxaphene	< 32.1	ug/Kg		6/19/2013
trans-Chlordane	< 3.21	ug/Kg		6/19/2013

Method Reference(s): EPA 8081B
EPA 3550C

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P9c
Lab Sample ID: 132208-17 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 326	ug/Kg		6/20/2013
1,2,4,5-Tetrachlorobenzene	< 326	ug/Kg		6/20/2013
1,2,4-Trichlorobenzene	< 326	ug/Kg		6/20/2013
1,2-Dichlorobenzene	< 326	ug/Kg		6/20/2013
1,3-Dichlorobenzene	< 326	ug/Kg		6/20/2013
1,4-Dichlorobenzene	< 326	ug/Kg		6/20/2013
2,3,4,6-Tetrachlorophenol	< 326	ug/Kg		6/20/2013
2,4,5-Trichlorophenol	< 652	ug/Kg		6/20/2013
2,4,6-Trichlorophenol	< 326	ug/Kg		6/20/2013
2,4-Dichlorophenol	< 326	ug/Kg		6/20/2013
2,4-Dimethylphenol	< 326	ug/Kg		6/20/2013
2,4-Dinitrophenol	< 652	ug/Kg		6/20/2013
2,4-Dinitrotoluene	< 326	ug/Kg		6/20/2013
2,6-Dinitrotoluene	< 326	ug/Kg		6/20/2013
2-Chloronaphthalene	< 326	ug/Kg		6/20/2013
2-Chlorophenol	< 326	ug/Kg		6/20/2013
2-Methylnapthalene	< 326	ug/Kg		6/20/2013
2-Methylphenol	< 326	ug/Kg		6/20/2013
2-Nitroaniline	< 652	ug/Kg		6/20/2013
2-Nitrophenol	< 326	ug/Kg		6/20/2013
3&4-Methylphenol	< 326	ug/Kg		6/20/2013
3,3'-Dichlorobenzidine	< 326	ug/Kg		6/20/2013
3-Nitroaniline	< 652	ug/Kg		6/20/2013
4,6-Dinitro-2-methylphenol	< 652	ug/Kg		6/20/2013
4-Bromophenyl phenyl ether	< 326	ug/Kg		6/20/2013
4-Chloro-3-methylphenol	< 326	ug/Kg		6/20/2013
4-Chloroaniline	< 326	ug/Kg		6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P9c
Lab Sample ID: 132208-17 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

4-Chlorophenyl phenyl ether	< 326	ug/Kg	6/20/2013
4-Nitroaniline	< 652	ug/Kg	6/20/2013
4-Nitrophenol	< 652	ug/Kg	6/20/2013
Acenaphthene	< 326	ug/Kg	6/20/2013
Acenaphthylene	< 326	ug/Kg	6/20/2013
Acetophenone	< 326	ug/Kg	6/20/2013
Anthracene	< 326	ug/Kg	6/20/2013
Atrazine	< 326	ug/Kg	6/20/2013
Benzaldehyde	< 326	ug/Kg	6/20/2013
Benzo (a) anthracene	< 326	ug/Kg	6/20/2013
Benzo (a) pyrene	< 326	ug/Kg	6/20/2013
Benzo (b) fluoranthene	< 326	ug/Kg	6/20/2013
Benzo (g,h,i) perylene	< 326	ug/Kg	6/20/2013
Benzo (k) fluoranthene	< 326	ug/Kg	6/20/2013
Bis (2-chloroethoxy) methane	< 326	ug/Kg	6/20/2013
Bis (2-chloroethyl) ether	< 326	ug/Kg	6/20/2013
Bis (2-chloroisopropyl) ether	< 326	ug/Kg	6/20/2013
Bis (2-ethylhexyl) phthalate	< 326	ug/Kg	6/20/2013
Butylbenzylphthalate	< 326	ug/Kg	6/20/2013
Caprolactam	< 326	ug/Kg	6/20/2013
Carbazole	< 326	ug/Kg	6/20/2013
Chrysene	< 326	ug/Kg	6/20/2013
Dibenz (a,h) anthracene	< 326	ug/Kg	6/20/2013
Dibenzofuran	< 326	ug/Kg	6/20/2013
Diethyl phthalate	< 326	ug/Kg	6/20/2013
Dimethyl phthalate	< 652	ug/Kg	6/20/2013
Di-n-butyl phthalate	< 326	ug/Kg	6/20/2013
Di-n-octylphthalate	< 326	ug/Kg	6/20/2013
Fluoranthene	< 326	ug/Kg	6/20/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P9c
Lab Sample ID: 132208-17 **Date Sampled:** 6/14/2013
Matrix: Soil **Date Received:** 6/17/2013

Fluorene	< 326	ug/Kg	6/20/2013
Hexachlorobenzene	< 326	ug/Kg	6/20/2013
Hexachlorobutadiene	< 326	ug/Kg	6/20/2013
Hexachlorocyclopentadiene	< 326	ug/Kg	6/20/2013
Hexachloroethane	< 326	ug/Kg	6/20/2013
Indeno (1,2,3-cd) pyrene	< 326	ug/Kg	6/20/2013
Isophorone	< 326	ug/Kg	6/20/2013
Naphthalene	< 326	ug/Kg	6/20/2013
Nitrobenzene	< 326	ug/Kg	6/20/2013
N-Nitroso-di-n-propylamine	< 326	ug/Kg	6/20/2013
N-Nitrosodiphenylamine	< 326	ug/Kg	6/20/2013
Pentachlorophenol	< 652	ug/Kg	6/20/2013
Phenanthrene	< 326	ug/Kg	6/20/2013
Phenol	< 326	ug/Kg	6/20/2013
Pyrene	< 326	ug/Kg	6/20/2013

Method Reference(s): EPA 8270C
EPA 3550C
Data File: S70418.D

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-RB1
Lab Sample ID: 132208-18 **Date Sampled:** 6/14/2013
Matrix: Water **Date Received:** 6/17/2013

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		6/21/2013
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		6/21/2013
1,1,2-Trichloroethane	< 2.00	ug/L		6/21/2013
1,1-Dichloroethane	< 2.00	ug/L		6/21/2013
1,1-Dichloroethene	< 2.00	ug/L		6/21/2013
1,2,3-Trichlorobenzene	< 5.00	ug/L		6/21/2013
1,2,4-Trichlorobenzene	< 5.00	ug/L		6/21/2013
1,2,4-Trimethylbenzene	< 2.00	ug/L		6/21/2013
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		6/21/2013
1,2-Dibromoethane	< 2.00	ug/L		6/21/2013
1,2-Dichlorobenzene	< 2.00	ug/L		6/21/2013
1,2-Dichloroethane	< 2.00	ug/L		6/21/2013
1,2-Dichloropropane	< 2.00	ug/L		6/21/2013
1,3,5-Trimethylbenzene	< 2.00	ug/L		6/21/2013
1,3-Dichlorobenzene	< 2.00	ug/L		6/21/2013
1,4-Dichlorobenzene	< 2.00	ug/L		6/21/2013
1,4-dioxane	< 20.0	ug/L		6/21/2013
2-Butanone	< 10.0	ug/L		6/21/2013
2-Hexanone	< 5.00	ug/L		6/21/2013
4-Methyl-2-pentanone	< 5.00	ug/L		6/21/2013
Acetone	**14.3**	ug/L		6/21/2013
Benzene	< 0.700	ug/L		6/21/2013
Bromochloromethane	< 5.00	ug/L		6/21/2013
Bromodichloromethane	< 2.00	ug/L		6/21/2013
Bromoform	< 5.00	ug/L		6/21/2013
Bromomethane	< 2.00	ug/L		6/21/2013
Carbon disulfide	< 2.00	ug/L		6/21/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-RB1
Lab Sample ID: 132208-18 **Date Sampled:** 6/14/2013
Matrix: Water **Date Received:** 6/17/2013

Carbon Tetrachloride	< 2.00	ug/L		6/21/2013
Chlorobenzene	< 2.00	ug/L		6/21/2013
Chloroethane	< 2.00	ug/L		6/21/2013
Chloroform	< 2.00	ug/L		6/21/2013
Chloromethane	< 2.00	ug/L		6/21/2013
cis-1,2-Dichloroethene	< 2.00	ug/L		6/21/2013
cis-1,3-Dichloropropene	< 2.00	ug/L		6/21/2013
Cyclohexane	< 10.0	ug/L		6/21/2013
Dibromochloromethane	< 2.00	ug/L		6/21/2013
Dichlorodifluoromethane	< 2.00	ug/L		6/21/2013
Ethylbenzene	< 2.00	ug/L		6/21/2013
Freon 113	< 2.00	ug/L		6/21/2013
Isopropylbenzene	< 2.00	ug/L		6/21/2013
m,p-Xylene	**2.74**	ug/L	B	6/21/2013
Methyl acetate	< 2.00	ug/L		6/21/2013
Methyl tert-butyl Ether	< 2.00	ug/L		6/21/2013
Methylcyclohexane	< 2.00	ug/L		6/21/2013
Methylene chloride	< 5.00	ug/L		6/21/2013
Naphthalene	< 5.00	ug/L		6/21/2013
n-Butylbenzene	< 2.00	ug/L		6/21/2013
n-Propylbenzene	< 2.00	ug/L		6/21/2013
o-Xylene	< 2.00	ug/L		6/21/2013
p-Isopropyltoluene	< 2.00	ug/L		6/21/2013
sec-Butylbenzene	< 2.00	ug/L		6/21/2013
Styrene	< 5.00	ug/L		6/21/2013
tert-Butylbenzene	< 2.00	ug/L		6/21/2013
Tetrachloroethene	< 2.00	ug/L		6/21/2013
Toluene	< 2.00	ug/L		6/21/2013
trans-1,2-Dichloroethene	< 2.00	ug/L		6/21/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-RB1
Lab Sample ID: 132208-18 **Date Sampled:** 6/14/2013
Matrix: Water **Date Received:** 6/17/2013

trans-1,3-Dichloropropene	< 2.00	ug/L	6/21/2013
Trichloroethene	< 2.00	ug/L	6/21/2013
Trichlorofluoromethane	< 2.00	ug/L	6/21/2013
Vinyl chloride	< 2.00	ug/L	6/21/2013

Surrogate outliers indicate probable matrix interference

Method Reference(s): EPA 8260B
EPA 5030

Data File: X06220.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P1g
Lab Sample ID: 132208-01A
Matrix: TCLP Extract
Date Sampled: 6/14/2013
Date Received: 6/17/2013

TCLP Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,1-Dichloroethene	< 20.0	ug/L	700		6/18/2013
1,2-Dichloroethane	< 20.0	ug/L	500		6/18/2013
2-Butanone	< 100	ug/L	200000		6/18/2013
Benzene	< 20.0	ug/L	500		6/18/2013
Carbon Tetrachloride	< 20.0	ug/L	500		6/18/2013
Chlorobenzene	< 20.0	ug/L	100000		6/18/2013
Chloroform	< 20.0	ug/L	6000		6/18/2013
Tetrachloroethene	< 20.0	ug/L	700		6/18/2013
Trichloroethene	< 20.0	ug/L	500		6/18/2013
Vinyl chloride	< 20.0	ug/L	200		6/18/2013

Method Reference(s): EPA 8260B
EPA 1311 / 5030
Data File: X06122.D

Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier:	LI-CID-P2g		
Lab Sample ID:	132208-03A	**Date Sampled:**	6/14/2013
Matrix:	TCLP Extract	**Date Received:**	6/17/2013

TCLP Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,1-Dichloroethene	< 20.0	ug/L	700		6/18/2013
1,2-Dichloroethane	< 20.0	ug/L	500		6/18/2013
2-Butanone	< 100	ug/L	200000		6/18/2013
Benzene	< 20.0	ug/L	500		6/18/2013
Carbon Tetrachloride	< 20.0	ug/L	500		6/18/2013
Chlorobenzene	< 20.0	ug/L	100000		6/18/2013
Chloroform	< 20.0	ug/L	6000		6/18/2013
Tetrachloroethene	< 20.0	ug/L	700		6/18/2013
Trichloroethene	< 20.0	ug/L	500		6/18/2013
Vinyl chloride	< 20.0	ug/L	200		6/18/2013

Method Reference(s): EPA 8260B
EPA 1311 / 5030

Data File: X06123.D

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P3g1
Lab Sample ID: 132208-05A **Date Sampled:** 6/14/2013
Matrix: TCLP Extract **Date Received:** 6/17/2013

TCLP Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,1-Dichloroethene	< 20.0	ug/L	700		6/18/2013
1,2-Dichloroethane	< 20.0	ug/L	500		6/18/2013
2-Butanone	< 100	ug/L	200000		6/18/2013
Benzene	< 20.0	ug/L	500		6/18/2013
Carbon Tetrachloride	< 20.0	ug/L	500		6/18/2013
Chlorobenzene	< 20.0	ug/L	100000		6/18/2013
Chloroform	< 20.0	ug/L	6000		6/18/2013
Tetrachloroethene	< 20.0	ug/L	700		6/18/2013
Trichloroethene	< 20.0	ug/L	500		6/18/2013
Vinyl chloride	< 20.0	ug/L	200		6/18/2013

Method Reference(s): EPA 8260B
EPA 1311 / 5030
Data File: X06124.D

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P3g2
Lab Sample ID: 132208-06A **Date Sampled:** 6/14/2013
Matrix: TCLP Extract **Date Received:** 6/17/2013

TCLP Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,1-Dichloroethene	< 20.0	ug/L	700		6/18/2013
1,2-Dichloroethane	< 20.0	ug/L	500		6/18/2013
2-Butanone	< 100	ug/L	200000		6/18/2013
Benzene	< 20.0	ug/L	500		6/18/2013
Carbon Tetrachloride	< 20.0	ug/L	500		6/18/2013
Chlorobenzene	< 20.0	ug/L	100000		6/18/2013
Chloroform	< 20.0	ug/L	6000		6/18/2013
Tetrachloroethene	< 20.0	ug/L	700		6/18/2013
Trichloroethene	< 20.0	ug/L	500		6/18/2013
Vinyl chloride	< 20.0	ug/L	200		6/18/2013

Method Reference(s): EPA 8260B
EPA 1311 / 5030
Data File: X06125.D

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier:	LI-CID-P4g		
Lab Sample ID:	132208-08A	**Date Sampled:**	6/14/2013
Matrix:	TCLP Extract	**Date Received:**	6/17/2013

TCLP Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,1-Dichloroethene	< 20.0	ug/L	700		6/18/2013
1,2-Dichloroethane	< 20.0	ug/L	500		6/18/2013
2-Butanone	< 100	ug/L	200000		6/18/2013
Benzene	< 20.0	ug/L	500		6/18/2013
Carbon Tetrachloride	< 20.0	ug/L	500		6/18/2013
Chlorobenzene	< 20.0	ug/L	100000		6/18/2013
Chloroform	< 20.0	ug/L	6000		6/18/2013
Tetrachloroethene	< 20.0	ug/L	700		6/18/2013
Trichloroethene	< 20.0	ug/L	500		6/18/2013
Vinyl chloride	< 20.0	ug/L	200		6/18/2013

Method Reference(s): EPA 8260B
EPA 1311 / 5030

Data File: X06126.D

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier: LI-CID-P5g1
Lab Sample ID: 132208-10A **Date Sampled:** 6/14/2013
Matrix: TCLP Extract **Date Received:** 6/17/2013

TCLP Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,1-Dichloroethene	< 20.0	ug/L	700		6/18/2013
1,2-Dichloroethane	< 20.0	ug/L	500		6/18/2013
2-Butanone	< 100	ug/L	200000		6/18/2013
Benzene	< 20.0	ug/L	500		6/18/2013
Carbon Tetrachloride	< 20.0	ug/L	500		6/18/2013
Chlorobenzene	< 20.0	ug/L	100000		6/18/2013
Chloroform	< 20.0	ug/L	6000		6/18/2013
Tetrachloroethene	< 20.0	ug/L	700		6/18/2013
Trichloroethene	< 20.0	ug/L	500		6/18/2013
Vinyl chloride	< 20.0	ug/L	200		6/18/2013

Method Reference(s): EPA 8260B
EPA 1311 / 5030
Data File: X06127.D

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier:	LI-CID-P5g2		
Lab Sample ID:	132208-11A	**Date Sampled:**	6/14/2013
Matrix:	TCLP Extract	**Date Received:**	6/17/2013

TCLP Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,1-Dichloroethene	< 20.0	ug/L	700		6/21/2013
1,2-Dichloroethane	< 20.0	ug/L	500		6/21/2013
2-Butanone	< 100	ug/L	200000		6/21/2013
Benzene	< 20.0	ug/L	500		6/21/2013
Carbon Tetrachloride	< 20.0	ug/L	500		6/21/2013
Chlorobenzene	< 20.0	ug/L	100000		6/21/2013
Chloroform	< 20.0	ug/L	6000		6/21/2013
Tetrachloroethene	< 20.0	ug/L	700		6/21/2013
Trichloroethene	< 20.0	ug/L	500		6/21/2013
Vinyl chloride	< 20.0	ug/L	200		6/21/2013

Method Reference(s): EPA 8260B
EPA 1311 / 5030

Data File: X06221.D

Report Prepared Tuesday, June 25, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier:	LI-CID-P6g		
Lab Sample ID:	132208-13A	**Date Sampled:**	6/14/2013
Matrix:	TCLP Extract	**Date Received:**	6/17/2013

TCLP Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,1-Dichloroethene	< 20.0	ug/L	700		6/21/2013
1,2-Dichloroethane	< 20.0	ug/L	500		6/21/2013
2-Butanone	< 100	ug/L	200000		6/21/2013
Benzene	< 20.0	ug/L	500		6/21/2013
Carbon Tetrachloride	< 20.0	ug/L	500		6/21/2013
Chlorobenzene	< 20.0	ug/L	100000		6/21/2013
Chloroform	< 20.0	ug/L	6000		6/21/2013
Tetrachloroethene	< 20.0	ug/L	700		6/21/2013
Trichloroethene	< 20.0	ug/L	500		6/21/2013
Vinyl chloride	< 20.0	ug/L	200		6/21/2013

Method Reference(s): EPA 8260B
EPA 1311 / 5030

Data File: X06222.D

Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132208

Client: **Stantec**

Project Reference: Carriage Factory, 190500751

Sample Identifier:	LI-CID-P9g		
Lab Sample ID:	132208-16A	**Date Sampled:**	6/14/2013
Matrix:	TCLP Extract	**Date Received:**	6/17/2013

TCLP Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,1-Dichloroethene	< 20.0	ug/L	700		6/21/2013
1,2-Dichloroethane	< 20.0	ug/L	500		6/21/2013
2-Butanone	< 100	ug/L	200000		6/21/2013
Benzene	< 20.0	ug/L	500		6/21/2013
Carbon Tetrachloride	< 20.0	ug/L	500		6/21/2013
Chlorobenzene	< 20.0	ug/L	100000		6/21/2013
Chloroform	< 20.0	ug/L	6000		6/21/2013
Tetrachloroethene	< 20.0	ug/L	700		6/21/2013
Trichloroethene	< 20.0	ug/L	500		6/21/2013
Vinyl chloride	< 20.0	ug/L	200		6/21/2013

Method Reference(s): EPA 8260B
EPA 1311 / 5030

Data File: X06223.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"V" = Sample concentration is >10 times the spike. No meaningful Spike Recovery can be calculated.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"C" = Concentration differs by more than 40% between the primary and secondary analytical columns.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		LAB PROJECT ID
CLIENT:	Stantec	CLIENT:	Stantec	132208
ADDRESS:	61 Commercial St	ADDRESS:		Quotation #:
CITY: Rochester	STATE: NY ZIP: 14614	CITY:	STATE: ZIP:	Email: Bob.Mahoney@Stantec.com
PHONE:	413 5301	PHONE:		
ATTN:	Bob Mahoney	ATTN:	Same	

PROJECT REFERENCE
Carriage Factory (190500757)

Matrix Codes:
AQ - Aqueous Liquid, NQ - Non-Aqueous Liquid, WA - Water, WG - Groundwater, DW - Drinking Water, WW - Wastewater, SO - Soil, SL - Sludge, SD - Solid, PT - Paint, WP - Wipe, CK - Caulk, OL - Oil, AR - Air

REQUESTED ANALYSIS

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	~~TCL~~ VOC + TICs	~~TCL~~ SVOC + TICs	TAL Metals	PCBs LL	Pest	TCLP VOC	Cyanide	Silvex	Hex Cr		REMARKS	PARADIGM LAB SAMPLE NUMBER
1	6/14/13	13:55		X	LI-CID-P1g	SO	1	X					X					Analysis as	01A
2	↓	13:55	X		LI-CID-P1c	↓	2		X	X	X	X		X	X	X			02
3		14:00		X	LI-CID-P2g		1	X					X					per DER-10	03A
4		14:00	X		LI-CID-P2c		2		X	X	X	X		X	X	X			04
5		14:20		X	LI-CID-P3g1		1	X					X					Appendix ~~A~~ 5	05A
6		↓		X	LI-CID-P3g2		1	X					X						06A
7			X		LI-CID-P3c		2		X	X	X	X		X	X	X		Part 375 + MS, MSD on #07 See p.2 EAH 6/17	07
8		14:45		X	LI-CID-P4g		1	X					X						08A
9		"	X		LI-CID-P4c		2		X	X	X	X		X	X	X			09
10	↓	15:00		X	LI-CID-P5g1	↓	1	X					X						10A

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	[X]	Batch QC	[ ]	Basic EDD	[ ]
Rush 3 day	[ ]	Category A	[ ]	NYSDEC EDD	[ ]
Rush 2 day	[ ]	Category B	[X]		
Rush 1 day	[ ]				
Other please indicate:	[ ]	Other please indicate:	[ ]	Other EDD please indicate: Stantec	[X]

Sampled By: Brijun Hontl — Date/Time: 6/14/13

Relinquished By: Brijun Hontl — Date/Time: 6/14 1630

Received By: [signature] — Date/Time: 6/14/13/1630

Received @ Lab By: Elizabeth A Honch — Date/Time: 6/17/13 1100

Total Cost: 4°C iced from samples 1756 6/14 Cooler delivered by Stantec so custody seals N/A.

P.I.F. [ ]

pg 2 of 3

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	LAB PROJECT ID
CLIENT: Stantec	CLIENT: Stantec	132208
ADDRESS: 61 Commercial St	ADDRESS:	Quotation #:
CITY: Roch. STATE: NY ZIP: 14614	CITY: STATE: ZIP:	
PHONE: 413 5301	PHONE:	Email: bob.Mahoney@stantec.com
ATTN: Bob Mahoney	ATTN: Same	

PROJECT REFERENCE
Carriage Factory
190500751

Matrix Codes:
AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	~~TCL~~ VOC +TICs	~~TCL~~ SVOC +TICs	~~TAL~~ Metals CP-51 375	PCBs	Pest	TCLP VOC	TCL VOC	Cyanide	Silvex	Hex Cr	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	6/14/13	15:00		X	LI-CID-P5g2	SO	1	X					X					Analysis as	1 1 A
2	↓	"	X		LI-CID-P5c	↓	2		X	X	X	X			X	X	X		1 2
3		15:15		X	LI-CID-P6g		1	X					X					per DER-10	1 3 A
4		"	X		LI-CID-P6c		2		X	X	X	X			X	X	X		1 4
5		15:20	X		LI-CID-P8c		2		X	X	X	X			X	X	X	Appendix ~~A~~ 5	1 5
6		15:30		X	LI-CID-P9g		1	X					X						1 6 A
7		"	X		LI-CID-P9c		2		X	X	X	X			X	X	X	Part 375	1 7
8		14:20	X		LI-CID-P3c-MS/MSD	↓	2		X	X	X	X			X	X	X	→ This logged in as part of sample #07. See p.1 EAH 6/17	~~1 8~~
9	↓	15:40		X	LI-CID-RB1	WA	2	~~X~~						X					~~1 9~~ 1 8 ee EAH 6/17
10																			

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	☒	Batch QC	☐	Basic EDD	☐
Rush 3 day	☐	Category A	☐	NYSDEC EDD	☐
Rush 2 day	☐	Category B	☒		
Rush 1 day	☐				
Other please indicate:	☐	Other please indicate:	☐	Other EDD please indicate: Stantec	☒

Sampled By: Brijun Horvath — Date/Time: 6/14/13

Relinquished By: Brijun Horvath — Date/Time: 6/17 1630

Received By: [signature] — Date/Time: 6/14/13 1630

Received @ Lab By: Elizabeth A Honcha — Date/Time: 6/17/13 1100

Total Cost:

P.I.F.

Chain of Custody Supplement

Client: Stantec **Completed by:** EAH

Lab Project ID: 132208 **Date:** 6/17

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt Yes	No	N/A
Container Type	X	X 5035	
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)	X #18 H_2O Voa		X
Comments			
Preservation	X #18 H_2O Voa		X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		X -Met
Comments	4°C iced from samples 1756 6/14		
Sufficient Sample Quantity	X		
Comments			

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Cooler temp 0.3 °C
IR gun 122336969 / 122076478
pH strips (10BD H0431) ≤2 3 9 ≥12
Free Cl2 strips(041912C) Present/Absent
Lot#

CHAIN OF CUSTODY

H2M: ELAP ID: 10478
PAR054

REPORT TO:		INVOICE TO:			
COMPANY:	Paradigm Environmental	COMPANY:	Same	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:		ADDRESS:			
CITY: STATE: ZIP:		CITY: STATE: ZIP:		TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:		PHONE: FAX:			STD / OTHER
ATTN:	Kate Hansen	ATTN:	Meridith Dillman		1 2 3 X 5
COMMENTS:	Please email results to khansen@paradigmenv.com and jdaloia@paradigmenv.com			Date Due:	6/25/13 for data

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	T. Cyanide	Hex Cr	Silver							REMARKS	PARADIGM LAB SAMPLE NUMBER
1	6/14/13	1355			132208-02	Soil	1	X	X	X							LI-CID-P1C	-1
2		1400			04												LI-CID-P2C	-2
3		1420			07		2				→ DO MS, MSD on #07						LI-CID-P3C	-3
4		1445			09		1										LI-CID-P4C	-4
5		1500			12												LI-CID-P5C	-5
6		1515			14												P6C	-6
7		1520			15												P8C	-7
8		1530			17												P9C	-8
9																		
10																	1306A12	

★ ASP Cat B package due 7/10/13.
★ SDG closed.
★ Report as dry weight.

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☑	N ☐
Comments:		
Preservation:	Y ☑	N ☐
Comments:		
Holding Time:	Y ☑	N ☐
Comments:		
Temperature: 0.3°C	Y ☑	N ☐
Comments:		

Client

Sampled By	Date/Time	Total Cost:
Elizabeth A. Honch	6/17/13 1600	
Relinquished By	Date/Time	
[signature]	6/18/13 12.70	Relinq
Received By	Date/Time	P.I.F.
receive [signature]	6-18-13 12:20	
Received @ Lab By	Date/Time	

Custody seal present

ATTACHMENT 2

Landfill Part 360 Permit

PERMIT NUMBER	EFFECTIVE DATE
8-2648-00014/00001	7/19/11
FACILITY/PROGRAM NUMBER(S)	EXPIRATION DATE(S)
28S31	July 31, 2021

PERMIT

Under the Environmental Conservation Law (ECL)

TYPE OF PERMIT ☐ NEW X Renewal X Modification X Permit to Construct X Permit to Operate

- ☐ Article 15, Title 5: Protection of Waters
- ☐ Article 15, Title 15: Water Supply
- ☐ Article 15, Title 15: Water Transport
- ☐ Article 15, Title 15: Long Island Wells
- ☐ Article 15, Title 27: Wild, Scenic and Recreational Rivers
- ☐ 6NYCRR 608: Water Quality Certification
- ☐ Article 17, Titles 7, 8: SPDES
- ☐ Article 19: Air Pollution Control
- ☐ Article 23, Title 27: Mined Land Reclamation
- ☐ Article 24: Freshwater Wetlands
- ☐ Article 25: Tidal Wetlands
- X Article 27, Title 7; 6NYCRR 360: Solid Waste Management
- ☐ Article 27, Title 9; 6NYCRR 373: Hazardous Waste Management
- ☐ Article 34: Coastal Erosion Management
- ☐ Articles 1, 3, 17, 19, 27, 37; NYCRR 380: Radiation Control
- ☐ Other:

PERMIT ISSUED TO	TELEPHONE NUMBER
Monroe County	585-753-7517
ADDRESS OF PERMITTEE	
50 West Main Street, Rochester, NY 14614	
CONTACT PERSON FOR PERMITTED WORK	TELEPHONE NUMBER
Michael Garland - Monroe County/Gene Dries - Waste Management of NY	**585-753-7517 - Garland** **585-494-3000 - Dries**
NAME AND ADDRESS OF PROJECT/FACILITY	
Mill Seat Landfill	
LOCATION OF PROJECT/FACILITY	
303 Brew Road, Bergen, NY 14416	

COUNTY	TOWN	WATERCOURSE	NYTM COORDINATES
Monroe	Riga	Water Body:	E: 260.8 N: 4771.1

DESCRIPTION OF AUTHORIZED ACTIVITY:

Construct and operate a 95 acre sanitary landfill and adjacent 62 acre soil borrow area. The site is owned by Monroe County, but all construction and operation is performed by Waste Management of NY (WMNY) under a long term lease with Monroe County. The approved design capacity is 1845 tpd.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified **(see page 2)** and any Special Conditions included as part of this permit.

PERMIT ADMINISTRATOR:	ADDRESS	
Kimberly Merchant	6274 E. Avon-Lima Rd, Avon, NY 14414	
AUTHORIZED SIGNATURE	DATE	Page 1 of 16
Kimberly A Merchant	7/19/2011	

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

GENERAL CONDITIONS

General Condition 1: Facility Inspection by the Department

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

General Condition 2: Relationship of this Permit to Other Department Orders and Determinations

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

General Condition 3: Applications for Permit Renewals or Modifications

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

The permittee must submit a renewal application at least:

a) 180 days before expiration of permits for State Pollutant Discharge Elimination System (SPDES), Hazardous Waste Management Facilities (HWMF), major Air Pollution Control (APC) and Solid Waste Management Facilities (SWMF); and

b) 30 days before expiration of all other permit types.

Submission of applications for permit renewal or modification are to be submitted to:

NYSDEC Regional Permit Administrator, Region 8,
6274 E Avon-Lima Rd, Avon, NY 14414 (585) 226-2466

General Condition 4: Permit Modifications, Suspensions and Revocations by the Department

The Department reserves the right to modify, suspend or revoke this permit in accordance with 6 NYCRR Part 621. The grounds for modification, suspension or revocation include:

a) materially false or inaccurate statements in the permit application or supporting papers;
b) failure by the permittee to comply with any terms or conditions of the permit;
c) exceeding the scope of the project as described in the permit application;
d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

ADDITIONAL GENERAL CONDITIONS FOR ARTICLE 27 (Title 7, Mill Seat Landfill)

9. All activities authorized by this permit must be in strict conformance with the approved plans submitted by the applicant or his agent as part of the permit application.
Such approved plans were prepared by Clark, Patterson Assoc; Earth Tech, Inc; McMahon & Mann Consulting Engineers, P.C.

SPECIAL CONDITIONS

I. General Applicability

1. Unless expressly authorized in writing or unless modified by conditions of any permit issued by the Department of Environmental Conservation (the "Department"), all work will be carried out in strict conformance with the plans, specifications, and reports submitted as part of the application for this permit. Those materials include:

(a) Permit applications to Construct and Operate Solid Waste Management Facility pursuant to 6NYCRR Part 360, dated 9/19/90; revised 5/27/94; renewed 5/4/01; revised 5/28/02; revised 11/13/02; revised 2/4/03; revised 1/9/04; revised 2/20/08; revised 8/13/09.

(b) Variance Request for Groundwater Separation - 6NYCRR Part 360-2.13(d), revised September 19, 1990.

(c) Engineering Report as revised by Clark Patterson dated August 1990.

(d) Operation and Maintenance Report dated January 2003, revised.

(e) Mill Seat Solid Waste Landfill Engineering Plans with last revision date July 22, 1990; October 2002 (Final Cover Design Modifications); March 2004 (Design Modifications for Stages IIIB, IIIB-1, and IV); and Construction Quality Assurance/Quality Control Plan dated April 2004.

(f) Mill Seat Solid Waste Landfill Engineering Plans-sheets 59,60,61, and 62 submitted September 27, 1990.

(g) Contingency Plan dated January 2003.

(h) Environmental Monitoring Plan revised May 2011 and Site Analytical Plan revised September 2003.

(i) Closure-Post Closure Plan revised September 14, 1990.

(j) Hydrogeologic Report revised September 18, 1990 and supplements.

(k) Wetlands Delineation Report - Mill Seat Landfill dated September 1990, updated May 2002, July 2002,and August 2009.

(l) Habitat Management Plan, Figure 1, dated 2/9/05 and updated May 2011.

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(m) Draft Environmental Impact Statement dated April 1998.
Final Environmental Impact Statement dated June 1989.
Draft Supplemental EIS dated August 1990.
Final Supplemental EIS dated October 1990.

(n) Draft Supplemental Environmental Impact Statement dated January 2011.
Borrow Area Use Plan dated January 2011, Appendix G of the DSEIS (bound separately which includes the Wetlands Monitoring Plan.
Final Supplemental Environmental Impact Statement dated May 2011, including Environmental Monitoring Plan, Habitat Management Plan, and Stormwater Pollution Prevention Plan (SWPPP).

In any instance in which the above approved documents conflict with the requirements of 6NYCRR Part 360, the more stringent shall apply.

2. The Permittee shall comply with all conditions of this permit and 6NYCRR Part 360. Non-compliance constitutes a violation of ECL Article 27, Title 7 and is grounds for enforcement action, permit suspension, revocation, or modification, or denial of a permit renewal or modification application

3. The Permittee must maintain a copy of all application materials, plans, reports, permits, and the Draft, Supplemental Draft, and Final Environmental Impact Statement at the site and make these documents available to any representative of the Department. The Permittee must also maintain a copy of all written approvals and directives in a like manner, together with a copy of the effective Part 360.

4. Unless otherwise specified by the Department, two (2) copies of all plans, reports, or other submissions related to the design, construction, operation, or monitoring of this facility must be submitted to: Regional Solid & Hazardous Materials Engineer, NYS Department of Environmental Conservation, 6274 East Avon-Lima Road, Avon, NY 14414.

5. Unless otherwise specified in this permit, any approval required must be obtained in writing from the Region 8 Regional Solid & Hazardous Materials Engineer.

6. In the event a Department representative makes a determination that the Permittee is in non-compliance with any provision of the Environmental Conservation Law, or with any regulation promulgated thereunder or any provision of this permit or any judicial or administrative order applicable to the facility, the Permittee must, upon receipt of written or oral Notice of Non-Compliance from the Department, immediately take such steps as are necessary to correct, abate, or remediate the non-complying condition. When oral notice is given, the Department will provide a confirming written Notice of Non-Compliance. To the extent feasible, the Permittee must consult the Department regarding the selection and implementation of such remedial measures. Any instance of non-compliance, together with the responsive measures and results of such remedial measures, must be recorded in writing by the Permittee, and submitted to the Department. Failure to do so shall constitute non-compliance with this permit.

7. The Permittee shall take all steps to minimize or correct any adverse impact on human health or the environment resulting from facility operations. The Permittee shall report

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any such activity which may endanger human health or the environment to the DEC Region 8 Regional Solid & Hazardous Materials Engineer. Any such information shall be reported orally within 24 hours from the time the Permittee becomes aware of the circumstances and followed up in writing within seven days.

8. The Permittee shall allow any authorized representative of the Department upon the presentation of proper credentials, to:

   (a) Have access to and copy any records that must be kept under the conditions of this permit or Part 360;

   (b) Enter and inspect any buildings, facilities, equipment(including monitoring and control equipment),practices, or operations regulated or required under this permit; and

   (c) Sample or monitor for the purpose of assuring permit compliance or as otherwise authorized by the ECL or any applicable law, regulation, permit or Order, any substances or parameters at any location.

9. The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

10. The provisions of this permit shall not be construed to limit the Department's authority as otherwise established by law or regulation.

11. The account to fund the Environmental Monitor(s) as established under permit #8-2648-00014/00001 shall continue as follows:

   (a) Funds as required to support the monitoring requirements shall be provided to the Department for funding of environmental compliance activities related to the operation of Permittee's Facility. This sum is based on annual Environmental Monitor service costs and is subject to annual revision. Subsequent annual payments shall be made for the duration of this Permit to maintain an account balance sufficient to meet the next year's anticipated expenses. The permittee shall be billed annually for each fiscal year beginning April 1, 2004.

   (b) The Department may revise the required payment on an annual basis to include all costs of monitoring to the Department. The annual revision may take into account factors such as inflation, salary increases, changes in operating hours and procedures and the need for additional Environmental Monitors and supervision of such Environmental Monitors by full-time Environmental Monitor supervisors.

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Upon written request by the Permittee, the Department shall provide that entity with a written explanation of the basis for any modification. If such a revision is required, the Department will notify the Permittee of such a revision no later than 60 days in advance of any such revision.

(c) Prior to making its annual payment, the Permittee will receive and have an opportunity to review an annual work plan that the Department will undertake during the year.

(d) Payments are to be in advance of the period in which they will be expended.

II. Landfill Construction

12. Not less than thirty (30) days prior to the commencement of the construction of remaining phases of the landfill, the Permittee must submit to the Department for its review and approval, detailed construction plans and technical specifications for that phase.

13. Written notice of the commencement of all major portions of on-site construction activities must be made to the Department prior to the commencement of construction, including a construction schedule indicating the projected start and end dates for construction activities. These activities include, but are not limited to, the commencement of the clearing and grading of any large areas, commencement of the placement of the liner for any large section, covering of any section of the leachate collection system, all quality control and quality assurance testing activities and the commencement of construction of any section of permanent final cover. The Permittee shall submit an updated schedule to the Department monthly during the course of construction.

14. The Department must be notified immediately in case of any development during construction that warrants a request to modify the approved engineering plans. Deviation from the approved plans without the specific prior written approval of the Department will constitute a violation of this permit.

15. All stones must be removed from the top surface of the low permeability soil and primary soil components that will be directly overlain by synthetic materials.

16. The Permittee must provide effective frost protection of all exposed portions of the installed landfill liner system unless the entire double composite liner system is completed within the single construction season. The Permittee may seek waiver of this requirement by submitting certified laboratory results of tests performed on representative samples of the soil component of the liner system. The Permittee must obtain Department approval of the laboratory testing procedures prior to testing. Results of the testing must be submitted by August 1 of the year in which soil liner construction is commenced. Results should include initial permeability and final permeability measured

after exposure to not less than five complete freeze/thaw cycles. A waiver may only be granted if final permeability does not exceed 1.0 x 10^{-7} cm/sec. and there is no significant increase in permeability at the conclusion of the laboratory tests. If a waiver is denied, a frost protection layer must be placed on the liner prior to November 15 or a later date acceptable to the Department.

17. All construction at the landfill site shall be under the supervision of a person licensed to practice professional engineering in the State of New York. This requires that a representative of the Permittee's engineering consultant be present whenever construction is on-going. This representative must maintain a daily log indicating work done that day, weather conditions, testing performed, quality control and quality assurance practices, problems encountered, and remedial activities undertaken to correct these problems. The certification must be submitted within three months after completion of construction. Clear color photographs of major project aspects, daily reports and results of all tests conducted to determine compliance shall also be included as part of the certification. As-built engineering plans must also be certified containing at least the following:

    (a) notation of any deviations from the plans and reports;

    (b) completed sub-grade elevations;

    (c) completed top of liner elevations, for both primary liner and secondary liner, and top of primary drainage blanket elevations;

    (d) location and critical elevations of leachate collection lines, leak detection lines, the top and bottom of the groundwater drainage blanket, valve pits, tanks, pond, containment berm, manholes, etc.

    (e) final drainage features;

    (f) locations, both existing and proposed, of all monitoring devices.

    Approval by this Department of the construction certification report is needed before the Department will grant approval to operate the specific cell of the facility. No waste shall be placed in a constructed cell prior to receipt of the Department's approval.

18. All boreholes, wells, and monitoring devices found within the proposed liner construction area shall be properly abandoned by overboring, grouting using a tremie method or similar downhole pressure grouting system and cement-bentonite grout to ensure that all contaminant migration pathways are sealed. Casings shall be removed. This activity must be noted as accomplished in the construction certification report.

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19. All structures, including the leak detection and leachate collection systems, groundwater monitoring wells, valve pits, manholes, etc., shall be maintained in proper working order. In the event any structure becomes damaged or malfunctions in any way, the Permittee shall notify the Department verbally within 48-hours, and follow up in writing within seven (7) days, and shall promptly repair or replace the structure.

20. Extreme care and protective measures shall be taken to protect the integrity of the groundwater depression system, leak detection system, leachate collection system, liners, geotextiles and all other landfill structures. Only rubber tired vehicles shall be allowed on the HDPE liner during placement of the liner.

21. Open burning of land clearing materials and debris (including trees, shrubs, and brush) is prohibited. Merchantable timber must be salvaged for commercial use. Toppings, brush, and slash must be chipped and/or beneficially used on or off-site. Tree stumps removed from the site may be chipped or buried in the landfill.

22. Synthetic liner material utilized on this project shall be inspected for obvious defects prior to its use. Any portions of the liner containing tears, defects, perforations, holes, punctures, etc. shall be removed and discarded. All synthetic liner seams shall be fusion or extrusion welded. Welds shall be 100 percent tested for pinholes and other weld faults using a vacuum box tester or air tests, as appropriate, subject to Department approval. Records shall be kept showing weather conditions (cloudy, sunny) on days when welding is ongoing including air temperatures at beginning and end of the work day and precipitation. No welding shall take place when the ambient air temperature is below 32°F or when the sheet temperature exceeds 158°F, or when the air temperature is above 120°F.

23. Should any leachate enter by migration, spill or other means into any stage which has not yet received refuse, all fluid within that cell shall be removed and treated as leachate. When the leachate is first detected in any such stage, all stormwater drainage or pumping from the stage shall cease immediately.

24. This Department shall be notified if any leachate, waste, gas or other conditions which may affect the integrity of the landfill are observed during construction, including excavation, of the landfill. Notification shall be provided verbally within 48 hours and followed up in writing within 7 days.

25. Prior to commencement of low permeability soil component of the liner system, a test pad must be constructed as described in the Quality Assurance (QA) Quality Control (QC) Plan.

26. Sides of both surface water drainage swales and the groundwater drain outfall structures shall be seeded and a vegetative cover established. Rip rap shall be placed in the bottom of both to prevent erosion anywhere flow velocities will exceed 4 feet per second. At velocities less than this, vegetation or erosion control mats may be used.

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III. Variances

27. A variance from the landfill construction provision of 6 NYCRR Part 360-2.13(d) is hereby granted. This variance allows a separation of less than 5 feet between the base of the constructed liner system and the seasonal high groundwater table.

28. A variance has been approved to allow the revised frequency of testing of soil liner materials as follows:

Soil Test Type	Part 360 Frequency	Revised Frequency
Grain Size Distribution	1 per 2500 cubic yards	1 per 7500 cubic yards
Atterberg Limits	1 per 1000 cubic yards	1 per 5000 cubic yards
Moisture-density relationship	1 per 5000 cubic yards	1 per 12500 cubic yards
Moisture Content	1 per 1000 cubic yards	Obtained during permeability Test
Recompacted Permeability	1 per 5000 cubic yards	1 per 20000 cubic yards

When a new source of materials is acquired, the testing during the first year of construction shall be according to the frequency specified in Part 360.

IV. Landfill Operation

29. The following wastes shall not be disposed of at this facility:

(a) waste identified in 6 NYCRR Part 360-1.5(b);

(b) any empty drum or any container which has held hazardous waste and is not empty according to 40 CFR 261.7(a)(3); Metal containers of 5 gallons capacity or larger shall not be disposed at this facility unless the ends have been cut off and the containers have been crushed;

(c) any infectious waste; however, regulated medical waste that has been treated and destroyed by a method approved by the NYSDOH may be disposed.

(d) any industrial or commercial liquids, sludges, or slurries, which are less than 20 percent solids;

(e) whole tires, unless the tires have been cut into at least two pieces by cutting around the circumference;

(f) uncontaminated leaves, grass clippings, brush, branches, stumps, and tree sections with the exception of debris that has been contaminated by excessive use of pesticides.

(g) Any waste(s) regulated by 6 NYCRR Part 364 unless the waste hauler possesses a valid Part 364 permit which specifies this landfill as a disposal site for such waste(s) and disposal of such waste has been approved by the owner/operator in writing. Copies of a summary of all approved waste stream applications must be submitted to the Region 8-Regional Solid and Hazardous Materials Engineer within seven (7) days of such approval. On a monthly basis, a copy of the waste stream approvals shall be submitted in a format acceptable to the Department.

30. The approved design capacity for this landfill is 1945 tons/day. This threshold is a daily average based on the quantity of solid wastes accepted at the landfill during a calendar year, however during no calendar quarter shall the daily average exceed 2918 tons per day. Excluded from these limits is solid waste generated at the landfill facility and any Beneficial Use Determination (BUD) wastes.
By no later than the fifteenth day of each month, the permittee shall report in writing to the Region 8 Regional Solid & Hazardous Materials Engineer, the total amount of solid waste disposed at the facility during the previous month, the number of days of operation, and the amount of BUD wastes received.

31. Operation, including the placement of daily cover, at this facility shall be limited to the following:

Monday thru Friday	6:00 a.m. to 6:30 p.m.
Saturday	6:00 a.m. to 3:00 p.m.
Saturday following Major Holiday	6:00 a.m. to 6:30 p.m.

The landfill shall not be operated on Sundays or Major Holidays.

Major Holiday shall include New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day, and Christmas Day.

Landfill personnel must be on duty during all hours that wastes are deposited at the landfill.

32. During the placement of the first lift of waste above the primary leachate collection and removal system, the following precautions and practices will be observed:

(a) consideration for the approach and travel of haul trucks and other landfill operation vehicles relative to the location of the liner and leachate collection laterals.

(b) waste placement must be kept away from the top of the berms to allow for proper leachate control and effective future placement of final cover. Identification markers may be used along the berms with specific setback distances for waste placement.

(c) Placement of a select type refuse being free of demolition debris, large metal wastes, long items such as poles, piping and bulky wastes in general, and shall be placed in a minimum lift thickness of at least 5 feet above the leachate collection and removal system.

33. All structures, including the leachate collection and removal system, groundwater and gas monitoring wells, access roads, drainage structures, recharge basins, etc., shall be maintained in proper working order. In the event any structure becomes damaged or malfunctions in any way, the Permittee shall notify the Department verbally within 48-hours and follow up in writing within 7 days, and shall promptly replace or repair the structure. All monitoring wells shall be fitted with locking caps and locked at all times other than during times of sampling.

34. All wastes received at the disposal site must be spread and compacted in layers not more than two (2) feet thick upon deposition at the working face, excepting the first lift placed on the liner system, which shall be placed in accordance with condition 30(c) above.

35. The Permittee shall require that all vehicles delivering waste or cover material to the site be enclosed or covered or their contents secured.

36. On-site roads used to transport solid wastes shall be maintained passable and safe at all times. No penetrating or waste oils shall be used for dust control.

37. Wind-blown paper and other litter shall be confined to the disposal area by snow fence, portable screens, or any other necessary devices. The Permittee shall police wind-blown paper and litter along the landfill's perimeter as necessary and at least once a week.

38. The entire site shall be routinely inspected for rodent activity. The rodent control programs described in the Contingency Plan shall be implemented to effectively control vectors at the landfill.

39. Siltation ponds shall be inspected on an annual basis. Should it be determined that the presence of sediments in a pond interferes with the pond's designed function, sediment shall be removed. Silt shall not be removed between October 15 and May 15.

40. Daily, intermediate, and final cover must be applied as required by Part 360. The following materials may be used as alternate daily cover on interior slopes of the landfill footprint:

-non-hazardous contaminated soil, provided that it is used in areas that will receive additional waste the next day;
-crushed C&D
-bottom ash from coal-fired boilers;
-wood chips;
-auto shredder fluff;
-bottom ash/fly ash mixture;
-foundry sand;
-wastewater treatment plant incinerator ash;
-mixed glass cullet;
-solid waste incinerator ash excavated from the Greater Rochester International Airport, provided it is used in an area that will receive waste the next day;

Bottom ash, glass cullet, and wood chips may be stored away from the landfill footprint provided that the storage area(s) are outside the regulated wetlands and the associated buffer, dust and runoff from the storage area shall be prevented from reaching the wetlands, and a continuous siltation control barrier shall be maintained around the perimeter of the area.

The remaining alternate daily cover materials must be stockpiled within the limits of the landfill footprint and must be stored in such a manner that the materials do not leave the lined area either by tracking by vehicles, water erosion, or by wind deposition.

41. Cover soil and drainage control structures must be designed, graded and maintained to prevent ponding and erosion and to minimize infiltration of water into the solid waste cells.

42. The permit to operate the above-referenced facility is hereby modified to allow county-authorized solid waste haulers to transport wastes directly to the Mill Seat Landfill, bypassing the County's transfer station. The revised operation shall be in accordance with the revisions to the approved Operation and Maintenance Plan and the approved Contingency Plan.

V. Leachate Control

43. Any leachate on the ground shall immediately be contained and removed either by pumping or by utilizing spill cleanup procedures such as absorbent pads. Leachate and leachate spill debris must be disposed of at authorized facilities approved by the Department.

44. Weekly visual inspections shall be conducted by the operator on the leachate control system including all primary leachate manholes and secondary leachate MHS-37 (Stage I) and MHS-39 (Stage II), leachate pump stations, and main air release valves. If leachate is

detected in the outer pipes; or if there is evidence of plugging; or if defined action leakage rates are exceeded; or if groundwater monitoring wells indicate significant increases in contaminant levels above established background levels; then DEC must be notified verbally within 24 hours and follow up in writing within 7 days and corrective measures implemented promptly in accordance with the Contingency Plan. Weekly inspection reports shall be kept on file at the facility and included in the Annual Report.

45. The Permittee shall maintain a contingency plan which shall identify the alternative leachate treatment and disposal methods that will be employed in the case of: malfunction of the existing leachate treatment/disposal system; inadequate system capacity to manage short-term increased leachate volumes; and/or the leachate is not acceptable to the existing wastewater treatment plant. Should any element of the Contingency Plan become unavailable, or inoperative, a revised plan shall be submitted, subject to Department approval within 60 days.

46. The primary leachate collection system shall be jetted and the secondary lateral #9 shall be video inspected annually. Should the video inspection indicate impairment in the system's efficiency, then remedial jetting shall be conducted.

47. Under no circumstances shall leachate be discharged directly or indirectly from the site to surface waters or groundwaters.

48. Any leachate hauled from the facility shall be by a hauler in possession of a valid Part 364 permit, authorizing such hauler to haul leachate from the facility to a specified disposal site approved by the Department.

49. If refuse is deposited within a cell located on top of an area which has received intermediate cover, a portion of the intermediate soil cover shall be removed from the area to be filled so as to adequately allow leachate to reach the leachate collection system.

VI. Annual Reporting

50. Annual reporting will include, but not be limited to, the items listed in this condition and shall be submitted to the Department no later than March 1 of each year. This report must detail:

(a) The total quantity of solid waste disposed of, in tons, for the calendar year from January first to December 31. This information must be compiled by waste type such as refuse, sludge, construction and demolition, non-hazardous commercial waste, or other types of solid waste. All wastes received at the facility shall be measured by weight as described in the Report. These measurements shall be recorded on a daily basis. These records shall be maintained for the life of the facility.

(b) The remaining site life in years and remaining capacity in cubic yards of the existing constructed landfill.

(c) An evaluation of all water and leachate quality data collected throughout the year. The Department may request at any time that this information be provided in a computer-compatible format to be specified by the Department.

(d) An evaluation of gas monitoring and control systems, including a narrative description of proposed or actual changes to these systems.

(e) The quantity of leachate collected, treated and disposed of on a monthly basis.

(f) The quantity of leachate collected in the secondary leachate collection/leak detection and removal system. This must be compiled on a monthly basis to assess primary liner system performance.

(g) A revised site plan with 10-foot contours of the fill area reflecting the extent of the previous year's fill progression and the proposed fill progression for the year.

(h) Any proposed changes from the approved reports, plans, and specifications or permit conditions must be listed with justification for each change given. No change shall be effective until written approval is received from the Department.

VII. Comprehensive Recycling Analysis (CRA)/Recycling

51. The Permittee shall not accept solid waste that originates from a municipality that has not completed a Comprehensive Recycling Analysis satisfying the requirements of 6NYCRR Part 360-1.9(f) and approved by the Department, and implemented the recyclables recovery program determined to be feasible by the analysis unless, for the service area of the facility: either another municipality prepared such an analysis, the Department approves it and the analysis addresses the waste stream of that municipality; or a Department approved local Solid Waste Management Plan that addresses all components of such analysis, takes effect.

VIII. Solid Waste Management Plan

52. The permitted facility is prohibited from receiving waste after April 1, 1992 unless and until a local solid waste management plan, as set forth in paragraph b of subdivision one of Section 27-0107 (ECL), is in effect for the Permittee or planning unit of which the Permittee is a part, or for any municipality which sends solid waste to this facility.

IX. Leachate Recirculation

53. Leachate recirculation is allowed in Stages 1 through 4 per Department approval. The Department may rescind this approval should it be deemed necessary.

Leachate recirculation in other stages shall be reviewed individually and approved specifically for each stage.

X. Closure/Post-Closure

54. The Permittee shall notify the Department whenever changes in operating plans, waste deposition rates, facility design, or events occurring during the active life of the landfill change the projected final closure date by more than Twelve (12) months. The notice shall be submitted in writing to the Department within sixty (60) days of such changes in Permittee's plans, deposition rates, design, or events at the landfill. All proposed amendments shall be subject to the Department's approval and shall not be effective unless said approval is received in writing.

55. Twelve months before the date at which the landfill will cease accepting waste, the Permittee shall submit a Scope of Work which shall include: 1) a site investigation plan and 2) a schedule of all tasks required to implement a closure in conformance with the regulations expected to be effective at the time of closure. The schedule shall be in agreement with the final closure date set forth in the permit.

56. A permanent grass or ground cover crop approved by the Department must be established and maintained on all exposed final cover soil within sixty (60) days after placement, or season not permitting, as otherwise required by the Department.

57. The final contours of the site must conform to those shown on Department-approved engineering report and plans.

58. Final cover integrity, slopes, cover vegetation, drainage structures, leachate collection and removal structures established pursuant to this permit shall be maintained for a minimum period of thirty (30) years beyond the date of the placement of final cover, or for as long as leachate is produced at this facility, whichever is longer.

XI. Environmental Monitoring

59. Groundwater, surface water, and leachate sampling methodologies and analyses of samples must be performed in accordance with the approved Environmental Monitoring Plan and Site Analytical Plan and the following:

(a) Monitoring of Hotel Creek at NY Route 33A for dissolved oxygen shall occur at weekly intervals April 1 through October 30 and at monthly intervals November 1 through December 31 during the operating life of the landfill. In addition, a temperature logger shall be used at this location to log temperature readings at 4:00 PM. The Department will retain the right to modify stormwater management techniques should adverse temperatures or dissolved oxygen conditions in the trout reach of Hotel Creek warrant modification.

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SPECIAL CONDITIONS

For Article 27 (Title 7, Mill Seat Landfill)

(b) Monitoring of the detention pond outfalls shall occur, if flowing, at quarterly intervals to coincide with the groundwater and surface water monitoring specified in the approved EMP. Outfall monitoring shall include temperature, dissolved oxygen, total dissolved and suspended solids, Total Kjeldahl Nitrogen, ammonia, and soluble and total phosphorus. The Department will retain the right to modify stormwater management techniques should adverse conditions in the regulated wetlands warrant modification.

END OF PERMIT