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May 10, 2013
File: 190500751

Mr. Todd Caffoe, P.E.
New York State Department of Environmental Conservation
Division of Environmental Remediation
6274 East Avon-Lima Road
Avon, NY 14414

Reference: Brownfield Cleanup Program
Monthly Progress Report #2
Site #C828184
Former Carriage Factory
33 Litchfield Street
Rochester, Monroe County, New York

Dear Todd:

On behalf of Carriage Factory Special Needs Apartments, LP (CFSNA), Stantec Consulting Services Inc. (Stantec) has prepared this Monthly Progress Report #2 for the Brownfield Cleanup Program (BCP) at the Former Carriage Factory located at 33 Litchfield Street in the City of Rochester, Monroe County, New York (Site). This report covers activities that took place during the month of April 2013.

1. **Actions During The Previous Month**

- Excavated test pits and trenches on April 10th at the locations of exterior anomalies identified by the geophysical (EM-61) survey performed in March. Figure 1 shows the test pit locations; logs of the explorations are included in Appendix A. No evidence of underground storage tanks was observed in any of the test pits, and the anomalies appear to have been the result of miscellaneous metallic objects contained in the fill soils at each location. PID screening did not indicate the presence of VOCs with the exception of relatively minor readings (0.1-0.2 parts per million, or ppm) in fill soils in test pit TP-4A located near the loading dock on the south side of the building.

- Project construction activities included excavation of shallow (<2 ft deep) trenches for the east and west stair tower footings on April 17th and 18th. Stantec screened excavated soil with a PID. Conditions in each of the excavations are summarized below:

  - *East Stair Tower*: PID readings up to approximately 10-15 parts per million (ppm) were encountered within the footing trenches. Gray- to black-stained soils were occasionally observed, and as excavation progressed in the southeast corner of the east stair tower excavation, more elevated PID readings were encountered. Accordingly, the excavation was extended toward the southeast in an attempt to further delineate the soils appearing most impacted. PID readings up to approximately 400 ppm were encountered, and the soil exhibited a strong weathered petroleum odor. The contamination appeared to be most prevalent in the vicinity of shallow subsurface cast iron roof drain piping and other steel piping that had been previously identified by the geophysical survey. The piping was removed as excavation progressed. A sample (LI-B-1S) of the impacted soil was

obtained and submitted for laboratory analysis. A sample (LI-B-3S) was also obtained within the stair tower footing trench where stained soil and PID readings of up to approximately 10 ppm were observed.

The analytical results for soil sample LI-B-S1, taken from the impacted area where PID readings of up to 400 ppm were observed was "non-detect" for all semivolatile organic compounds (SVOCs). One volatile organic compound (VOC) was detected: tetrachloroethene was detected at 6.07 ug/Kg (ug/Kg, equivalent to parts per billion). This concentration is well below the NYSDEC Restricted Residential Soil Cleanup Objectives (SCOs).

Several semi-volatile "tentatively identified compounds" (TICs) were also detected at concentrations up to 11,200 ug/Kg, and volatile TICs were detected up to 657 ug/Kg. There are no SCOs for TICs.

The analytical results for soil sample LI-B-3S, taken from the stair tower footing trench where PID readings of up to 10 ppm were observed was "non-detect" for all SVOCs. VOCs detected included acetone at 9.38 ug/Kg and sec-butylbenzene at 2.16 ug/Kg. These concentrations are all well below the NYSDEC Restricted Residential SCOs.

Several semi-volatile "tentatively identified compounds" (TICs) were also detected at concentrations up to 19,300 ug/Kg, and volatile TICs were detected up to 341 ug/Kg.

- *West Stair Tower*: Conditions encountered in the west stair tower excavation indicated less apparent impact than the east excavation. No subsurface piping was encountered in this excavation, PID readings did not exceed approximately 17 ppm, and soil staining was relatively limited. A sample was obtained from the west footing trench and submitted for analysis. Several inches of water accumulated in the footing excavation over a period of 1 to 2 days. The water was contained in drums and pending analytical results will likely be discharged to the sanitary sewer under a discharge permit to be obtained from the Monroe County Department of Environmental Services (MCDES).

  The analytical results for the soil sample (LI-B-4S) taken from the east stair tower excavation where PID readings up to 10 ppm were observed was "non-detect" for all semivolatile organic compounds SVOCs. The sample exhibited trichloroethene (TCE) at 63.5 ug/Kg, cis-1,2-dichloroethene at 27.0 ug/Kg trans-1,2-dichloroethene at 4.77 ug/Kg, and tetrachloroethene (PERC) at 2.35 ug/Kg. These concentrations are below the NYSDEC Restricted Residential SCOs.

  Two VOC TICs were detected at levels up to 40.5 ug/Kg.

- Impacted soils from both areas were stockpiled in the basement on poly sheeting. A minor amount of water accumulated in the stair tower excavation, and water also accumulated in the portion of the exploration excavation that extended to the top of rock (approximately 3 ft below grade).

- The laboratory results for these samples are summarized in the attached Table 1.

- In accordance with the Remedial Investigation Work Plan (RIWP), five exterior test borings were drilled and two exterior monitoring wells were installed in bedrock in two of the completed test borings (TB101-MW and TB102-MW). The work was completed during the period March 22 through March 24. The borings were drilled in very close proximity to the locations shown on the attached Figure 7 from the RIWP. An updated plan will be generated to reflect actual as-drilled locations. One soil sample from each test boring was submitted for laboratory analysis. The wells were developed to remove water lost to the formation during drilling; this water was contained in drums and pending analytical results will be discharged to the sanitary sewer under a MCDES discharge permit.

- Additional geophysical investigation in the form of a ground-penetrating radar (GPR) survey was performed in the basement of the building and in the Wiley Street right-of-way (ROW).

- The RIWP was revised to incorporate the March 22nd response to comments as per the NYSDEC's conditional approval dated April 16.

2. Data Received or Generated in the Previous Month

- The results of the second phase of passive soil gas (PSG) investigation were received from Beacon Environmental. The survey did not identify any new findings immediately to the south of the building, however low-levels of total petroleum hydrocarbons (TPH) were reported in one location on the northwest corner of the building, in one location along west side of the Site within the proposed parking lot, and at the south end of the Site. To the north of the building, methylene chloride was still reported to be present, although at lower levels than the initial survey detected and no indications of the methylene chloride were reported beneath the north end of the building. Accordingly, the methylene chloride source appears to be located off-site.
- The final report for the EM-61 and GPR geophysical survey was received from Amec (note the exterior EM-61 results were discussed in Progress Report No. 1). The interior EM-61 survey results indicated several metallic pipes are present throughout much of the basement; several of the pipes appeared to be roof drain-related, although other pipes may also be present. The GPR survey results inside the building and in the Wiley Street Right-of-way did not detect subsurface piping or structures.
- Laboratory analytical results were received for three soil samples: one obtained in the base of the each of the stair tower footing excavations and one from the area of impacted soil adjacent to the east stair tower (discussed above in Item No. 1). The data are summarized on the attached Table 1, and copies of the results are included in Appendix B.

3. Deliverables Completed and Submitted during the Previous Month

- Monthly Progress Report No. 1 was provided to NYSDEC on April 10th.
- Copies of the Geophysical Survey Report and results of the Supplemental Passive Soil Gas investigation were transmitted to NYSDEC on April 15th.
- The Stair Tower soil analytical results were submitted to NYSDEC on April 23rd.
- The revised RIWP was submitted to NYSDEC on May 1st.

4. Actions Scheduled for the Next Reporting Period

Pending receipt of approval from the Department, the following activities are planned for May:

- Drilling of interior borings and installation of two bedrock groundwater monitoring wells.
- Collection of soil and groundwater samples for the Enhanced Reductive Dechlorination (ERD) bench study.
- Surface soil sampling.
- Groundwater elevation measurements, groundwater sampling, and hydraulic conductivity testing.
- Monitoring of construction-related activities: basement piping and soil removal; exterior site work, including excavations and grading; basement utility trenching; and demolition of selected building elements. CAMP monitoring will be performed for all exterior activities.

5. Completion, Delays and Future Schedule

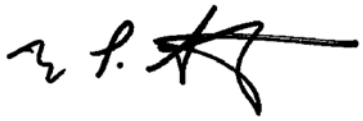
Although construction delays have occurred, no completion, delay, or schedule issues have been identified with respect to the Remedial Investigation.

Closing

Should you have any questions or require further information, please call me at 585-413-5266.

Sincerely,

STANTEC CONSULTING SERVICES INC.



Michael P. Storonsky
Project Manager

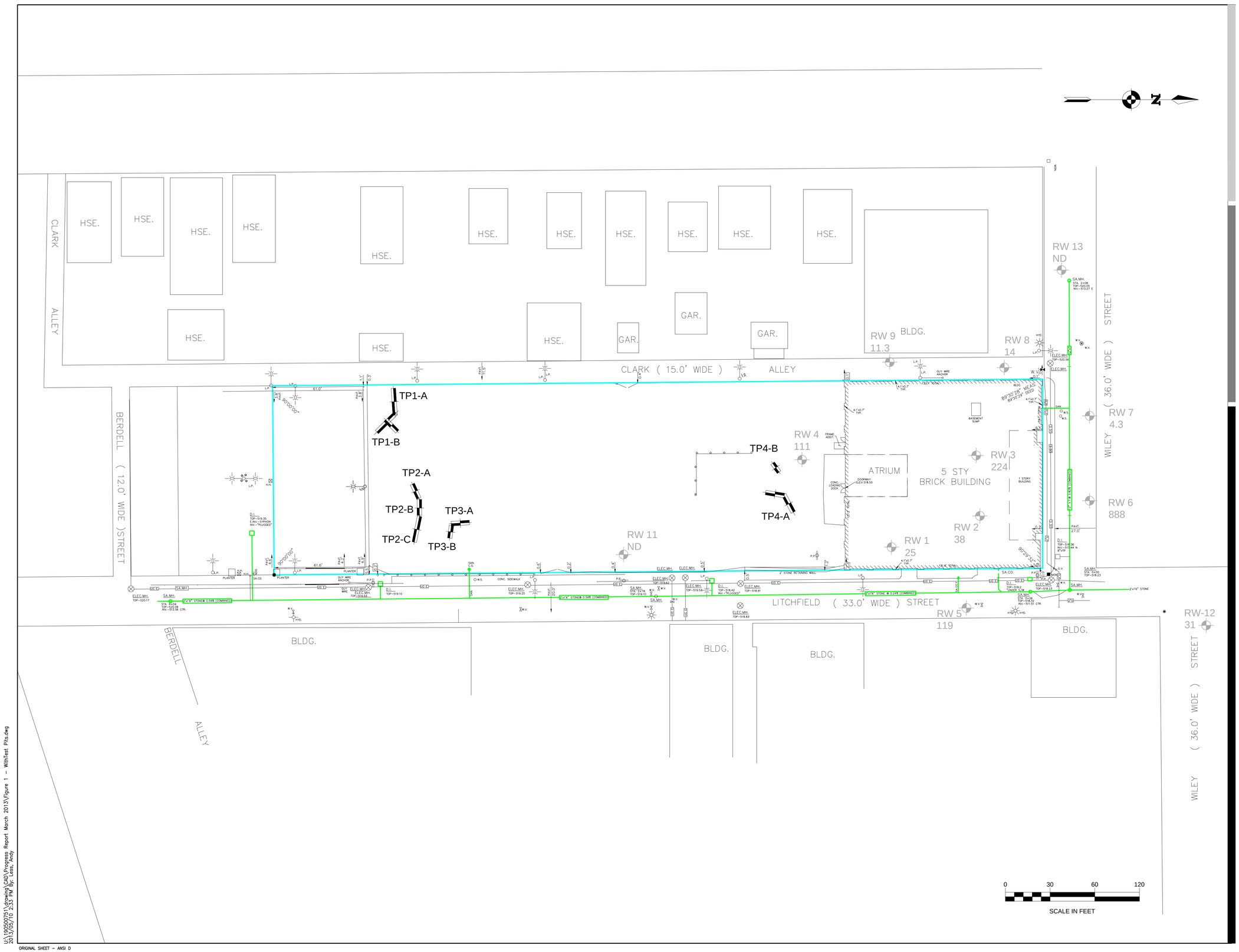
ec: Bart Putzig (NYSDEC)
James Mahoney (NYSDEC)
Justin Deming (NYSDOH)
James Whalen (CFSNA)
Mark Fuller (CFSNA)
Al Floro (Nixon Peabody)
Jonathan Penna (Nixon Peabody
Mark Gregor (City of Rochester)
James Patchett (Goldman Sachs)
Eleonora Bershadskaya (Goldman Sachs)
Linda Kaiser (Goldman Sachs)
David Lent (IVI)

Reference: Brownfield Cleanup Program
Monthly Progress Report #2
Site # C828184
Former Carriage Factory
33 Litchfield Street
Rochester, Monroe County, New York

Attachments:

Figure 1 - Test Pit Location Plan
Table 1 - Summary of Laboratory Results for Soil
Appendix A - Test Pit Logs
Appendix B - Analytical Laboratory Reports

FIGURES



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Legend

- 33 LITCHFIELD STREET BUILDING LIMITS
- RW 2 888 ug/L — LOCATIONS OF EXISTING GROUNDWATER MONITORING WELL WITH GROUNDWATER CVOCs CONCENTRATION VALUES (MICROGRAMS PER LITER)
- PROPERTY LINE
- SANITARY SEWER (SA MH=MANHOLE)
- TP2-B — TEST PITS PERFORMED BY STANTEC (4-19-2013)

Notes

1. PLAN ADAPTED FROM BASE PLAN BY PARRONE ENGINEERING.
2. EXPLORATION, WELL AND SAMPLE LOCATIONS SUBJECT TO CHANGE BASED ON FIELD CONDITIONS, AND SUPPLEMENTAL PASSIVE SOIL GAS SURVEY RESULTS.
3. TEST PITS EXCAVATED AT THE LOCATIONS OF ANOMALIES IDENTIFIED BY A GEOPHYSICAL SURVEY, MARCH 16, 2013.

Revision	By	Appd.	YY.MM.DD
TEST PITS ADDED	RM	MS	13.04.22
ADDED SUPPLEMENTAL PSG LOCATIONS	RM	MS	13.03.12

Issued	By	Appd.	YY.MM.DD

File Name: — Dwn. — Chkd. — Dsgn. — YY.MM.DD

Permit-Seal

Client/Project

CARRIAGE FACTORY SPECIAL NEEDS APARTMENTS, L.P.
REMEDIAL INVESTIGATION WORK PLAN
BROWNFIELD CLEANUP PROGRAM
FORMER CARRIAGE FACTORY
33 LITCHFIELD STREET, ROCHESTER , NY

Title

TEST PIT LOCATIONS

Project No.	Scale	
190500751	AS SHOWN	
Drawing No.	Sheet	Revision
FIGURE 1	of	0

J:\190500751\drawing\CAD\Progress Report March 2013\Figure 1 – WithTest Pits.dwg
2013/05/10 2:33 PM By: Less, Andy

ORIGINAL SHEET – ANSI D

TABLES

Table 1
Summary of Analytical Results in Soil - April 2013
Brownfield Cleanup Program
Phase II Environmental Investigation
33 Litchfield Street, Rochester, New York

Sample Location			L1-B-1S	L1-B-3S	L1-B-4S
Sample Date			17-Apr-13	18-Apr-13	18-Apr-13
Sample ID			L1-B-1S	L1-B-3S	L1-B-4S
Sample Depth			1.3 ft	1.5 ft	1.5 ft
Sampling Company			STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			131326	131358	131358
Laboratory Sample ID	Units	6NYCRR	131326-01	131358-01	131358-02
Semi - Volatile Organic Compounds					
Acenaphthene	µg/kg	100000$_b$[A] 98000[B]	324 U	323 U	331 U
Acenaphthylene	µg/kg	100000$_b$[A] 107000[B]	324 U	323 U	331 U
Acetophenone	µg/kg	n/v	324 U	323 U	331 U
Anthracene	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Atrazine	µg/kg	n/v	324 U	323 U	331 U
Benzaldehyde	µg/kg	n/v	324 U	323 U	331 U
Benzo(a)anthracene	µg/kg	1000$_g$[AB]	324 U	323 U	331 U
Benzo(a)pyrene	µg/kg	1000$_g$[A] 22000[B]	324 U	323 U	331 U
Benzo(b)fluoranthene	µg/kg	1000$_g$[A] 1700[B]	324 U	323 U	331 U
Benzo(g,h,i)perylene	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Benzo(k)fluoranthene	µg/kg	3900[A] 1700[B]	324 U	323 U	331 U
Biphenyl, 1,1'- (Biphenyl)	µg/kg	n/v	324 U	323 U	331 U
Bis(2-Chloroethoxy)methane	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Bis(2-Chloroethyl)ether	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Bis(2-Chloroisopropyl)ether	µg/kg	n/v	324 U	323 U	331 U
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Bromophenyl Phenyl Ether, 4-	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Butyl Benzyl Phthalate	µg/kg	NS[A] 1000000d[B]	324 U	323 U	331 U
Caprolactam	µg/kg	n/v	324 U	323 U	331 U
Carbazole	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Chloro-3-methyl phenol, 4-	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Chloroaniline, 4-	µg/kg	NS[A] 1000000d[B]	324 U	323 U	331 U
Chloronaphthalene, 2-	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Chlorophenol, 2- (ortho-Chlorophenol)	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Chlorophenyl Phenyl Ether, 4-	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Chrysene	µg/kg	3900[A] 1000$_g$[B]	324 U	323 U	331 U
Cresol, m & p- (Methylphenol, 3&4-)	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Cresol, o- (Methylphenol, 2-)	µg/kg	100000$_b$[A] 330$_f$[B]	324 U	323 U	***331 U***
Dibenzo(a,h)anthracene	µg/kg	330$_f$[A] 1000000$_d$[B]	324 U	323 U	***331 U***
Dibenzofuran	µg/kg	59000[A] 210000[B]	324 U	323 U	331 U
Dibutyl Phthalate (DBP)	µg/kg	NS[A] 1000000d[B]	324 U	323 U	331 U
Dichlorobenzene, 1,2-	µg/kg	100000$_b$[A] 1100[B]	324 U	323 U	331 U
Dichlorobenzene, 1,3-	µg/kg	49000[A] 2400[B]	324 U	323 U	331 U
Dichlorobenzene, 1,4-	µg/kg	13000[A] 1800[B]	324 U	323 U	331 U
Dichlorobenzidine, 3,3'-	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Dichlorophenol, 2,4-	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Diethyl Phthalate	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Dimethyl Phthalate	µg/kg	100000$_b$[A] 1000000$_d$[B]	649 U	647 U	661 U
Dimethylphenol, 2,4-	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Dinitro-o-cresol, 4,6-	µg/kg	100000$_b$[A] 1000000$_d$[B]	649 U	647 U	661 U
Dinitrophenol, 2,4-	µg/kg	100000$_b$[A] 1000000$_d$[B]	649 U	647 U	661 U
Dinitrotoluene, 2,4-	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Dinitrotoluene, 2,6-	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Di-n-Octyl phthalate	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Fluoranthene	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Fluorene	µg/kg	100000$_b$[A] 386000[B]	324 U	323 U	331 U
Hexachlorobenzene	µg/kg	1200[A] 3200[B]	324 U	323 U	331 U
Hexachlorobutadiene (Heachloro-1,3-butadiene)	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Hexachlorocyclopentadiene	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Hexachloroethane	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Indeno(1,2,3-cd)pyrene	µg/kg	500$_g$[A] 8200[B]	324 U	323 U	331 U
Isophorone	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Methylnaphthalene, 2-	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Naphthalene	µg/kg	100000$_b$[A] 12000[B]	324 U	323 U	331 U
Nitroaniline, 2-	µg/kg	100000$_b$[A] 1000000$_d$[B]	649 U	647 U	661 U
Nitroaniline, 3-	µg/kg	100000$_b$[A] 1000000$_d$[B]	649 U	647 U	661 U
Nitroaniline, 4-	µg/kg	100000$_b$[A] 1000000$_d$[B]	649 U	647 U	661 U
Nitrobenzene	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Nitrophenol, 2-	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Nitrophenol, 4-	µg/kg	100000$_b$[A] 1000000$_d$[B]	649 U	647 U	661 U
N-Nitrosodi-n-Propylamine	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
n-Nitrosodiphenylamine	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Pentachlorophenol	µg/kg	6700[A] 800$_f$[B]	649 U	647 U	661 U
Phenanthrene	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Phenol	µg/kg	100000$_b$[A] 330$_f$[B]	324 U	323 U	***331 U***
Pyrene	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Tetrachlorobenzene, 1,2,4,5-	µg/kg	n/v	324 U	323 U	331 U
Tetrachlorophenol, 2,3,4,6-	µg/kg	n/v	324 U	323 U	331 U
Trichlorobenzene, 1,2,4-	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
Trichlorophenol, 2,4,5-	µg/kg	100000$_b$[A] 1000000$_d$[B]	649 U	647 U	661 U
Trichlorophenol, 2,4,6-	µg/kg	100000$_b$[A] 1000000$_d$[B]	324 U	323 U	331 U
SVOC Tentatively Identified Compounds					
Total tentatively identified compounds	µg/kg	n/v	38654	30753	ND
Volatile Organic Compounds					
Acetone	µg/kg	100000$_b$[A] 50[B]	22.6 U	9.38	22.0 U
Benzene	µg/kg	4800[A] 60[B]	4.51 U	3.49 U	4.40 U
Bromodichloromethane	µg/kg	100000$_b$[A] 1000000$_d$[B]	4.51 U	3.49 U	4.40 U
Bromoform (Tribromomethane)	µg/kg	100000$_b$[A] 1000000$_d$[B]	11.3 U	8.74 U	11.0 U
Bromomethane (Methyl bromide)	µg/kg	100000$_b$[A] 1000000$_d$[B]	4.51 U	3.49 U	4.40 U
Butylbenzene, n-	µg/kg	100000$_b$[A] 12000[B]	4.51 U	3.49 U	4.40 U
Butylbenzene, sec- (2-Phenylbutane)	µg/kg	100000$_b$[A] 11000[B]	4.51 U	2.16	4.40 U
Butylbenzene, tert-	µg/kg	100000$_b$[A] 5900[B]	4.51 U	3.49 U	4.40 U
Carbon Disulfide	µg/kg	100000$_b$[A] 1000000$_d$[B]	4.51 U	3.49 U	4.40 U
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	2400[A] 760[B]	4.51 U	3.49 U	4.40 U
Chlorobenzene (Monochlorobenzene)	µg/kg	100000$_b$[A] 1100[B]	4.51 U	3.49 U	4.40 U
Chlorobromomethane	µg/kg	n/v	11.3 U	8.74 U	11.0 U
Chloroethane (Ethyl Chloride)	µg/kg	100000$_b$[A] 1000000$_d$[B]	4.51 U	3.49 U	4.40 U
Chloroform (Trichloromethane)	µg/kg	49000[A] 370[B]	4.51 U	3.49 U	4.40 U
Chloromethane	µg/kg	100000$_b$[A] 1000000$_d$[B]	4.51 U	3.49 U	4.40 U
Cyclohexane	µg/kg	n/v	22.6 U	17.5 U	22.0 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/kg	n/v	22.6 U	17.5 U	22.0 U
Dibromochloromethane	µg/kg	100000$_b$[A] 1000000$_d$[B]	4.51 U	3.49 U	4.40 U
Dichlorobenzene, 1,2-	µg/kg	100000$_b$[A] 1100[B]	4.51 U	3.49 U	4.40 U
Dichlorobenzene, 1,3-	µg/kg	49000[A] 2400[B]	4.51 U	3.49 U	4.40 U
Dichlorobenzene, 1,4-	µg/kg	13000[A] 1800[B]	4.51 U	3.49 U	4.40 U
Dichlorodifluoromethane (Freon 12)	µg/kg	n/v	4.51 U	3.49 U	4.40 U
Dichloroethane, 1,1-	µg/kg	26000[A] 270[B]	4.51 U	3.49 U	4.40 U
Dichloroethane, 1,2-	µg/kg	3100[A] 20$_g$[B]	4.51 U	3.49 U	4.40 U
Dichloroethene, 1,1-	µg/kg	100000$_b$[A] 330[B]	4.51 U	3.49 U	4.40 U
Dichloroethylene, cis-1,2-	µg/kg	100000$_b$[A] 250[B]	4.51 U	3.49 U	27.0
Dichloroethylene, trans-1,2-	µg/kg	100000$_b$[A] 190[B]	4.51 U	3.49 U	4.77
Dichloropropane, 1,2-	µg/kg	100000$_b$[A] 1000000$_d$[B]	4.51 U	3.49 U	4.40 U
Dichloropropene, cis-1,3-	µg/kg	100000$_b$[A] 1000000$_d$[B]	4.51 U	3.49 U	4.40 U
Dichloropropene, trans-1,3-	µg/kg	100000$_b$[A] 1000000$_d$[B]	4.51 U	3.49 U	4.40 U
Dioxane, 1,4-	µg/kg	13000[A] 100$_i$[B]	45.1 U	34.9 U	44.0 U
Ethylbenzene	µg/kg	41000[AB]	4.51 U	3.49 U	4.40 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	n/v	4.51 U	3.49 U	4.40 U
Hexanone, 2- (Methyl Butyl Ketone)	µg/kg	100000$_b$[A] 1000000$_d$[B]	11.3 U	8.74 U	11.0 U

See notes on last page

Table 1
Summary of Analytical Results in Soil - April 2013
Brownfield Cleanup Program
Phase II Environmental Investigation
33 Litchfield Street, Rochester, New York

Sample Location			L1-B-1S	L1-B-3S	L1-B-4S
Sample Date			17-Apr-13	18-Apr-13	18-Apr-13
Sample ID			L1-B-1S	L1-B-3S	L1-B-4S
Sample Depth			1.3 ft	1.5 ft	1.5 ft
Sampling Company			STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			131326	131358	131358
Laboratory Sample ID	Units	6NYCRR	131326-01	131358-01	131358-02
Volatile Organic Compounds (Continued)					
Isopropylbenzene	µg/kg	100000_b^A 1000000_d^B	4.51 U	3.49 U	4.40 U
Isopropyltoluene, p- (Cymene)	µg/kg	100000_b^A 1000000_d^B	4.51 U	3.49 U	4.40 U
Methyl Acetate	µg/kg	n/v	4.51 U	3.49 U	4.40 U
Methyl Ethyl Ketone (MEK)	µg/kg	100000_b^A 120^B	22.6 U	17.5 U	22.0 U
Methyl Isobutyl Ketone (MIBK)	µg/kg	100000_b^A 1000000_d^B	11.3 U	8.74 U	11.0 U
Methyl tert-butyl ether (MTBE)	µg/kg	100000_b^A 930^B	4.51 U	3.49 U	4.40 U
Methylcyclohexane	µg/kg	n/v	4.51 U	3.49 U	4.40 U
Methylene Chloride (Dichloromethane)	µg/kg	100000_b^A 50^B	11.3 U	8.74 U	11.0 U
Naphthalene	µg/kg	100000_b^A 12000^B	11.3 U	8.74 U	11.0 U
Propylbenzene, n-	µg/kg	100000_b^A 3900^B	4.51 U	3.49 U	4.40 U
Styrene	µg/kg	100000_b^A 1000000_d^B	11.3 U	8.74 U	11.0 U
Tetrachloroethane, 1,1,2,2-	µg/kg	100000_b^A 1000000_d^B	4.51 U	3.49 U	4.40 U
Tetrachloroethylene (PCE)	µg/kg	19000^A 1300^B	6.07	3.49 U	2.35
Toluene	µg/kg	100000_b^A 700^B	4.51 U	3.49 U	4.40 U
Trichlorobenzene, 1,2,3-	µg/kg	n/v	11.3 U	8.74 U	11.0 U
Trichlorobenzene, 1,2,4-	µg/kg	100000_b^A 1000000_d^B	11.3 U	8.74 U	11.0 U
Trichloroethane, 1,1,1-	µg/kg	100000_b^A 680^B	4.51 U	3.49 U	4.40 U
Trichloroethane, 1,1,2-	µg/kg	100000_b^A 1000000_d^B	4.51 U	3.49 U	4.40 U
Trichloroethylene (TCE)	µg/kg	21000^A 470^B	4.51 U	3.49 U	63.5
Trichlorofluoromethane (Freon 11)	µg/kg	n/v	4.51 U	3.49 U	4.40 U
Trichlorotrifluoroethane (Freon 113)	µg/kg	100000_b^A 1000000_d^B	4.51 U	3.49 U	4.40 U
Trimethylbenzene, 1,2,4-	µg/kg	52000^A 3600^B	4.51 U	3.49 U	4.40 U
Trimethylbenzene, 1,3,5-	µg/kg	52000^A 8400^B	4.51 U	3.49 U	4.40 U
Vinyl chloride	µg/kg	900^A 20^B	4.51 U	3.49 U	4.40 U
Xylene, m & p-	µg/kg	$100000_{b,p}^A$ 1600_p^B	4.51 U	3.49 U	4.40 U
Xylene, o-	µg/kg	$100000_{b,p}^A$ 1600_p^B	4.51 U	3.49 U	4.40 U
VOC Tentatively Identified Compounds					
Total tentatively identified compounds	µg/kg	n/v	5721	3402.2	79.7

Notes:

6NYCRR	NYSDEC 6 NYCRR Part 375 Soil Clean-up Objectives (SCOs)
A	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Restricted Residential
B	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Groundwater
6.5[A]	Concentration exceeds the indicated standard.
15.2	Concentration was detected but did not exceed applicable standards.
0.50 U	Laboratory estimated quantitation limit exceeded standard.
0.03 U	The analyte was not detected above the laboratory estimated quantitation limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
NS	No SCO has been established for this compound.
b	The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3.
b,p	The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3. The criterion is applicable to total xylenes, and the individual isomers should be added for comparison.
d	The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 mg/kg (Organics) and 10000 mg/kg (Inorganics). See 6 NYCRR Part 375 TSD Section 9.3.
f AB	For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value.
g AB	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
p	The criterion is applicable to total xylenes, and the individual isomers should be added for comparison.
ND	Not Detected
PARAROCH	PARADIGM ENVIRONMENTAL SERVICES, ROCHESTER, NY

APPENDIX A

Test Pit Logs

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Test Pit: TP-1A

Project:	Former Carriage Factory	Contractor:	Nothnagle	Date	4/10/2013
Project #:	190500751.000	Operator:	S. Loranty	Time:	9:30 AM
Client:	CFSNA, LP	Equip Used:	Hitachi EX-25		
Location:	33 Litchfield St, Rochester	Weather:	Rain, 40s		

0	PID (ppm)	Sample Info ID	Sample Info Depth	Strata Change	Soil & Stratigraphy Descriptions	Remarks
	0			0.1	Weathered ASPHALT	
1	0			1.2	Gray coarse GRAVEL (Crushed Stone)	
	0				Brown to black layered ASH & CINDERS	
2	0				(increasing amount of demo debris in east end of pit: large angular stones)	4" CIP encountered at 2. ft., runs E-W.
	0					
3	0			2.8	- FILL -	Contact at base of ASH/ CINDERS varies
	0				Light brown SILT, trace - little Clay, trace fine sand, moist	
4	0				(grades to dark brown in east portion of pit) - TILL -	
					Bottom of Pit at 4 ft.	Encountered 2nd 4" CIP at east end of pit, runs NE-SW
5						
6						
						No water encountered.
7						
8						
9						
10						
11						
12						
13						
14						

Notes:

1. PID Model Mini-Rae 3000 with 10.2 eV lamp.
2. Depth to water at completion.

Remarks (Unusal observations, caving characteristics, sheen or layers on water, odors, boulder count, etc:

See also log for TP-1B

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Test Pit: TP-1B

Project:	Former Carriage Factory	Contractor:	Nothnagle	Date	4/10/2013
Project #:	190500751.000	Operator:	S. Loranty	Time:	9:45 AM
Client:	CFSNA, LP	Equip Used:	Hitachi EX-25		
Location:	33 Litchfield St, Rochester	Weather:	Rain, 40s		

0	PID (ppm)	Sample Info ID	Sample Info Depth	Strata Change	Soil & Stratigraphy Descriptions	Remarks
	0			0.1	Weathered ASPHALT	
1	0					Roots more prevalent than in TP-1A.
	0				Brown to black layered ASH & CINDERS	
2	0				(large angular stones prevalent)	
	0					Metal screen and metal bar encountered
3	0			2.8	- FILL -	
	0				Light brown SILT, trace - little Clay, trace fine sand, moist	
4	0				- TILL -	
					Bottom of Pit at 4 ft.	
5						
6						
						No water encountered.
7						
8						
9						
10						
11						
12						
13						
14						

Notes:

1. PID Model Mini-Rae 3000 with 10.2 eV lamp.
2. Depth to water at completion.

Remarks (Unusal observations, caving characteristics, sheen or layers on water, odors, boulder count, etc:

See also log for TP-1B

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Test Pit: TP-2A

Project:	Former Carriage Factory	Contractor:	Nothnagle	Date	4/10/2013
Project #:	190500751.000	Operator:	S. Loranty	Time:	10:05
Client:	CFSNA, LP	Equip Used:	Hitachi EX-25		
Location:	33 Litchfield St, Rochester	Weather:	Rain, 40s		

0	PID (ppm)	Sample Info ID	Sample Info Depth	Strata Change	Soil & Stratigraphy Descriptions	Remarks
	0			0.2	Weathered ASPHALT	Some peastone under asphalt.
1	0			1.2	Varible colored, mixed CINDER/ASH/BRICK, trace gravel, occasional cobbles	
	0					
2	0				Black CINDERS, thinly-layered	
	0			2.6		
3	0				Gray SILT, trace sand and clay.	
					- TILL -	
4					**Bottom of Pit 3.2 ft.**	
5						
6						No water encountered.
7						
8						
9						
10						
11						
12						
13						
14						

Notes:

1. PID Model Mini-Rae 3000 with 10.2 eV lamp.
2. Depth to water at completion.

Remarks (Unusal observations, caving characteristics, sheen or layers on water, odors, boulder count, etc:

See also log for test pits TP-2B and TP-2C

Stantec

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Test Pit: TP-2B

Project:	Former Carriage Factory	Contractor:	Nothnagle	Date	4/10/2013
Project #:	190500751.000	Operator:	S. Loranty	Time:	10:24
Client:	CFSNA, LP	Equip Used:	Hitachi EX-25		
Location:	33 Litchfield St, Rochester	Weather:	Rain, 40s		

0	PID (ppm)	Sample Info ID	Sample Info Depth	Strata Change	Soil & Stratigraphy Descriptions	Remarks
	0			0.3	Dark Brown LOAM & roots - TOPSOIL -	
1	0			1	Black and gray ASH	
	0				Black CINDERS & ASH	
2	0			2.2		
	0				Tan Fine SAND	
3	0			2.8	- FILL -	
	0				Gray SILT, trace clay and fine sand	
4	0				- TILL -	
					Bottom of Pit 3.8 ft.	
5						
6						No water encountered.
7						
8						
9						
10						
11						
12						
13						
14						

Notes:
1. PID Model Mini-Rae 3000 with 10.2 eV lamp.
2. Depth to water at completion.

Remarks (Unusal observations, caving characteristics, sheen or layers on water, odors, boulder count, etc:

See also log for test pits TP-2A and TP-2C

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Test Pit: TP-2C

Project:	Former Carriage Factory	Contractor:	Nothnagle	Date	4/10/2013
Project #:	190500751.000	Operator:	S. Loranty	Time:	10:30
Client:	CFSNA, LP	Equip Used:	Hitachi EX-25		
Location:	33 Litchfield St, Rochester	Weather:	Rain, 40s		

0	PID (ppm)	Sample Info ID	Sample Info Depth	Strata Change	Soil & Stratigraphy Descriptions	Remarks
	0			0.5	Dark Brown LOAM with roots - TOPSOIL -	
1	0					
	0				Variable colored ASH & CINDERS in layers and pockets, occasoinal bricks	One piece of metal observed
2	0					
	0			2.4		
3	0			3.0	Black CINDERS/ASH	
	0				Gray SILT, trace fine Sand, trace Clay, trace Gravel	
4					**Bottom of Pit 3.5 ft.**	
5						No water encountered.
6						
7						
8						
9						
10						
11						
12						
13						
14						

Notes:

1. PID Model Mini-Rae 3000 with 10.2 eV lamp.
2. Depth to water at completion.

Remarks (Unusal observations, caving characteristics, sheen or layers on water, odors, boulder count, etc:

See also log for test pits TP-2A and TP-2B

Stantec

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Test Pit: TP-3A

Project:	Former Carriage Factory	Contractor:	Nothnagle	Date	4/10/2013
Project #:	190500751.000	Operator:	S. Loranty	Time:	11:20
Client:	CFSNA, LP	Equip Used:	Hitachi EX-25		
Location:	33 Litchfield St, Rochester	Weather:	Rain, 40s		

0	PID (ppm)	Sample Info ID	Sample Info Depth	Strata Change	Soil & Stratigraphy Descriptions	Remarks
	0			0.2	Brown LOAM & Roots - TOPSOIL -	
1	0				Mixed. bldg stone rubble, loam and & sandy gravel	Encountered several large metal objects
	0			1.5	- FILL -	
2	0					
	0				Mottled brown fine SAND, trace silt.	
3	0				- FILL -	
	0			3.5		
4	0				Tan SILT, trace fine sand and clay - TILL -	
					Bottom of Pit 4.0 ft.	
5						
						No water encountered.
6						
7						
8						
9						
10						
11						
12						
13						
14						

Notes:

1. PID Model Mini-Rae 3000 with 10.2 eV lamp.
2. Depth to water at completion.

Remarks (Unusal observations, caving characteristics, sheen or layers on water, odors, boulder count, etc:

See also log for TP-3B, excavated perpendicular to TP-3A

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Test Pit: TP-3B

Project:	Former Carriage Factory	Contractor:	Nothnagle	Date	4/10/2013
Project #:	190500751.000	Operator:	S. Loranty	Time:	
Client:	CFSNA, LP	Equip Used:	Hitachi EX-25		
Location:	33 Litchfield St, Rochester	Weather:	Rain, 40s		

0	PID (ppm)	Sample Info ID	Sample Info Depth	Strata Change	Soil & Stratigraphy Descriptions	Remarks
	0			0.2	Brown LOAM & Roots - TOPSOIL -	
1	0			1	Mixed. bldg stone rubble, loam and & sandy gravel	Occasional metal encountered
	0			1.5	Black ASH/CINDERS	
2	0					
	0				Mottled brown fine SAND, trace silt.	
3	0				- FILL -	
	0			3.5		
4	0				Tan SILT, trace fine sand and clay - TILL -	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						

Notes:

1. PID Model Mini-Rae 3000 with 10.2 eV lamp.
2. Depth to water at completion.

Remarks (Unusal observations, caving characteristics, sheen or layers on water, odors, boulder count, etc:

See also log for TP-3A, adjacent and perpendicular

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Test Pit: TP-4A

Project:	Former Carriage Factory	Contractor:	Nothnagle	Date	4/10/2013
Project #:	190500751.000	Operator:	S. Loranty	Time:	12:30
Client:	CFSNA, LP	Equip Used:	Hitachi EX-25		
Location:	33 Litchfield St, Rochester	Weather:	Rain, 40s		

0	PID (ppm)	Sample Info ID	Sample Info Depth	Strata Change	Soil & Stratigraphy Descriptions	Remarks
	0			0.3	ASPHALT	
1	0				Mixed ASH, CINDERS and SAND, with bricks, ceramics rubber, wood, etc. - FILL -	Layers slope to west.
	0					
2	0.1				Layer of tan silty SAND at 2 ft.	"organic" odor noticed throughout excavation
	0.2					
3	0					
	0				Semi-cemented layer of ASH at ~3.0 ft., 8-in thick	
4	0			3.7		
	0				Brown to light brown SILT, trace sand and clay (grades to dark gray in south end of pit)	
5	0					
					Bottom of Exploration at 5.0 Ft.	
6						
						No water encountered
7						
8						
9						
10						
11						
12						
13						
14						

Notes:

1. PID Model Mini-Rae 3000 with 10.2 eV lamp.
2. Depth to water at completion.

Remarks (Unusal observations, caving characteristics, sheen or layers on water, odors, boulder count, etc:

Test pit bends toward south at west end (see plan).

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Test Pit: TP-4B

Project:	Former Carriage Factory	Contractor:	Nothnagle	Date	4/10/2013
Project #:	190500751.000	Operator:	S. Loranty	Time:	2:00
Client:	CFSNA, LP	Equip Used:	Hitachi EX-25		
Location:	33 Litchfield St, Rochester	Weather:	Rain, 40s		

0	PID (ppm)	Sample Info ID	Sample Info Depth	Strata Change	Soil & Stratigraphy Descriptions	Remarks
	0			0.2	ASPHALT	
1	0			0.4	GRAVEL	
	0			0.5	ASPHALT	Several large pieces of rusty metal encountered.
2	0					
	0				Mixed ASH, CINDER and BRICK, with other	
3	0				fill materials.	
	0					
4	0					
					Bottom of Exploration at 4.0 Ft.	
5						
						No water encountered
6						
7						
8						
9						
10						
11						
12						
13						
14						

Notes:

1. PID Model Mini-Rae 3000 with 10.2 eV lamp.
2. Depth to water at completion.

Remarks (Unusal observations, caving characteristics, sheen or layers on water, odors, boulder count, etc:

APPENDIX B

Analytical Laboratory Results

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131326

Client: **Stantec**

Project Reference: Former Carriage Facility

Sample Identifier: L1-B-S1
Lab Sample ID: 131326-01 **Date Sampled:** 4/17/2013
Matrix: Soil **Date Received:** 4/17/2013

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 324	ug/Kg		4/18/2013
1,2,4,5-Tetrachlorobenzene	< 324	ug/Kg		4/18/2013
1,2,4-Trichlorobenzene	< 324	ug/Kg		4/18/2013
1,2-Dichlorobenzene	< 324	ug/Kg		4/18/2013
1,3-Dichlorobenzene	< 324	ug/Kg		4/18/2013
1,4-Dichlorobenzene	< 324	ug/Kg		4/18/2013
2,3,4,6-Tetrachlorophenol	< 324	ug/Kg		4/18/2013
2,4,5-Trichlorophenol	< 649	ug/Kg		4/18/2013
2,4,6-Trichlorophenol	< 324	ug/Kg		4/18/2013
2,4-Dichlorophenol	< 324	ug/Kg		4/18/2013
2,4-Dimethylphenol	< 324	ug/Kg		4/18/2013
2,4-Dinitrophenol	< 649	ug/Kg		4/18/2013
2,4-Dinitrotoluene	< 324	ug/Kg		4/18/2013
2,6-Dinitrotoluene	< 324	ug/Kg		4/18/2013
2-Chloronaphthalene	< 324	ug/Kg		4/18/2013
2-Chlorophenol	< 324	ug/Kg		4/18/2013
2-Methylnapthalene	< 324	ug/Kg		4/18/2013
2-Methylphenol	< 324	ug/Kg		4/18/2013
2-Nitroaniline	< 649	ug/Kg		4/18/2013
2-Nitrophenol	< 324	ug/Kg		4/18/2013
3&4-Methylphenol	< 324	ug/Kg		4/18/2013
3,3'-Dichlorobenzidine	< 324	ug/Kg		4/18/2013
3-Nitroaniline	< 649	ug/Kg		4/18/2013
4,6-Dinitro-2-methylphenol	< 649	ug/Kg		4/18/2013
4-Bromophenyl phenyl ether	< 324	ug/Kg		4/18/2013
4-Chloro-3-methylphenol	< 324	ug/Kg		4/18/2013
4-Chloroaniline	< 324	ug/Kg		4/18/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131326

Client: **Stantec**

Project Reference: Former Carriage Facility

Sample Identifier: L1-B-S1
Lab Sample ID: 131326-01 **Date Sampled:** 4/17/2013
Matrix: Soil **Date Received:** 4/17/2013

4-Chlorophenyl phenyl ether	< 324	ug/Kg	4/18/2013
4-Nitroaniline	< 649	ug/Kg	4/18/2013
4-Nitrophenol	< 649	ug/Kg	4/18/2013
Acenaphthene	< 324	ug/Kg	4/18/2013
Acenaphthylene	< 324	ug/Kg	4/18/2013
Acetophenone	< 324	ug/Kg	4/18/2013
Anthracene	< 324	ug/Kg	4/18/2013
Atrazine	< 324	ug/Kg	4/18/2013
Benzaldehyde	< 324	ug/Kg	4/18/2013
Benzo (a) anthracene	< 324	ug/Kg	4/18/2013
Benzo (a) pyrene	< 324	ug/Kg	4/18/2013
Benzo (b) fluoranthene	< 324	ug/Kg	4/18/2013
Benzo (g,h,i) perylene	< 324	ug/Kg	4/18/2013
Benzo (k) fluoranthene	< 324	ug/Kg	4/18/2013
Bis (2-chloroethoxy) methane	< 324	ug/Kg	4/18/2013
Bis (2-chloroethyl) ether	< 324	ug/Kg	4/18/2013
Bis (2-chloroisopropyl) ether	< 324	ug/Kg	4/18/2013
Bis (2-ethylhexyl) phthalate	< 324	ug/Kg	4/18/2013
Butylbenzylphthalate	< 324	ug/Kg	4/18/2013
Caprolactam	< 324	ug/Kg	4/18/2013
Carbazole	< 324	ug/Kg	4/18/2013
Chrysene	< 324	ug/Kg	4/18/2013
Dibenz (a,h) anthracene	< 324	ug/Kg	4/18/2013
Dibenzofuran	< 324	ug/Kg	4/18/2013
Diethyl phthalate	< 324	ug/Kg	4/18/2013
Dimethyl phthalate	< 649	ug/Kg	4/18/2013
Di-n-butyl phthalate	< 324	ug/Kg	4/18/2013
Di-n-octylphthalate	< 324	ug/Kg	4/18/2013
Fluoranthene	< 324	ug/Kg	4/18/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131326

Client: **Stantec**

Project Reference: Former Carriage Facility

Sample Identifier: L1-B-S1
Lab Sample ID: 131326-01 **Date Sampled:** 4/17/2013
Matrix: Soil **Date Received:** 4/17/2013

Fluorene	< 324	ug/Kg	4/18/2013
Hexachlorobenzene	< 324	ug/Kg	4/18/2013
Hexachlorobutadiene	< 324	ug/Kg	4/18/2013
Hexachlorocyclopentadiene	< 324	ug/Kg	4/18/2013
Hexachloroethane	< 324	ug/Kg	4/18/2013
Indeno (1,2,3-cd) pyrene	< 324	ug/Kg	4/18/2013
Isophorone	< 324	ug/Kg	4/18/2013
Naphthalene	< 324	ug/Kg	4/18/2013
Nitrobenzene	< 324	ug/Kg	4/18/2013
N-Nitroso-di-n-propylamine	< 324	ug/Kg	4/18/2013
N-Nitrosodiphenylamine	< 324	ug/Kg	4/18/2013
Pentachlorophenol	< 649	ug/Kg	4/18/2013
Phenanthrene	< 324	ug/Kg	4/18/2013
Phenol	< 324	ug/Kg	4/18/2013
Pyrene	< 324	ug/Kg	4/18/2013

Method Reference(s): EPA 8270C
EPA 3550C
Data File: S69031.D

Report Prepared Friday, April 19, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131326

Client: **Stantec**

Project Reference: Former Carriage Facility

Sample Identifier: L1-B-S1
Lab Sample ID: 131326-01 **Date Sampled:** 4/17/2013
Matrix: Soil **Date Received:** 4/17/2013

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.51	ug/Kg		4/17/2013
1,1,2,2-Tetrachloroethane	< 4.51	ug/Kg		4/17/2013
1,1,2-Trichloroethane	< 4.51	ug/Kg		4/17/2013
1,1-Dichloroethane	< 4.51	ug/Kg		4/17/2013
1,1-Dichloroethene	< 4.51	ug/Kg		4/17/2013
1,2,3-Trichlorobenzene	< 11.3	ug/Kg		4/17/2013
1,2,4-Trichlorobenzene	< 11.3	ug/Kg		4/17/2013
1,2,4-Trimethylbenzene	< 4.51	ug/Kg		4/17/2013
1,2-Dibromo-3-Chloropropane	< 22.6	ug/Kg		4/17/2013
1,2-Dibromoethane	< 4.51	ug/Kg		4/17/2013
1,2-Dichlorobenzene	< 4.51	ug/Kg		4/17/2013
1,2-Dichloroethane	< 4.51	ug/Kg		4/17/2013
1,2-Dichloropropane	< 4.51	ug/Kg		4/17/2013
1,3,5-Trimethylbenzene	< 4.51	ug/Kg		4/17/2013
1,3-Dichlorobenzene	< 4.51	ug/Kg		4/17/2013
1,4-Dichlorobenzene	< 4.51	ug/Kg		4/17/2013
1,4-dioxane	< 45.1	ug/Kg		4/17/2013
2-Butanone	< 22.6	ug/Kg		4/17/2013
2-Hexanone	< 11.3	ug/Kg		4/17/2013
4-Methyl-2-pentanone	< 11.3	ug/Kg		4/17/2013
Acetone	< 22.6	ug/Kg		4/17/2013
Benzene	< 4.51	ug/Kg		4/17/2013
Bromochloromethane	< 11.3	ug/Kg		4/17/2013
Bromodichloromethane	< 4.51	ug/Kg		4/17/2013
Bromoform	< 11.3	ug/Kg		4/17/2013
Bromomethane	< 4.51	ug/Kg		4/17/2013
Carbon disulfide	< 4.51	ug/Kg		4/17/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131326

Client: **Stantec**

Project Reference: Former Carriage Facility

Sample Identifier: L1-B-S1
Lab Sample ID: 131326-01 **Date Sampled:** 4/17/2013
Matrix: Soil **Date Received:** 4/17/2013

Carbon Tetrachloride	< 4.51	ug/Kg	4/17/2013
Chlorobenzene	< 4.51	ug/Kg	4/17/2013
Chloroethane	< 4.51	ug/Kg	4/17/2013
Chloroform	< 4.51	ug/Kg	4/17/2013
Chloromethane	< 4.51	ug/Kg	4/17/2013
cis-1,2-Dichloroethene	< 4.51	ug/Kg	4/17/2013
cis-1,3-Dichloropropene	< 4.51	ug/Kg	4/17/2013
Cyclohexane	< 22.6	ug/Kg	4/17/2013
Dibromochloromethane	< 4.51	ug/Kg	4/17/2013
Dichlorodifluoromethane	< 4.51	ug/Kg	4/17/2013
Ethylbenzene	< 4.51	ug/Kg	4/17/2013
Freon 113	< 4.51	ug/Kg	4/17/2013
Isopropylbenzene	< 4.51	ug/Kg	4/17/2013
m,p-Xylene	< 4.51	ug/Kg	4/17/2013
Methyl acetate	< 4.51	ug/Kg	4/17/2013
Methyl tert-butyl Ether	< 4.51	ug/Kg	4/17/2013
Methylcyclohexane	< 4.51	ug/Kg	4/17/2013
Methylene chloride	< 11.3	ug/Kg	4/17/2013
Naphthalene	< 11.3	ug/Kg	4/17/2013
n-Butylbenzene	< 4.51	ug/Kg	4/17/2013
n-Propylbenzene	< 4.51	ug/Kg	4/17/2013
o-Xylene	< 4.51	ug/Kg	4/17/2013
p-Isopropyltoluene	< 4.51	ug/Kg	4/17/2013
sec-Butylbenzene	< 4.51	ug/Kg	4/17/2013
Styrene	< 11.3	ug/Kg	4/17/2013
tert-Butylbenzene	< 4.51	ug/Kg	4/17/2013
Tetrachloroethene	**6.07**	ug/Kg	4/17/2013
Toluene	< 4.51	ug/Kg	4/17/2013
trans-1,2-Dichloroethene	< 4.51	ug/Kg	4/17/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131326

Client: **Stantec**

Project Reference: Former Carriage Facility

Sample Identifier: L1-B-S1

Lab Sample ID: 131326-01 **Date Sampled:** 4/17/2013

Matrix: Soil **Date Received:** 4/17/2013

trans-1,3-Dichloropropene	< 4.51	ug/Kg	4/17/2013
Trichloroethene	< 4.51	ug/Kg	4/17/2013
Trichlorofluoromethane	< 4.51	ug/Kg	4/17/2013
Vinyl chloride	< 4.51	ug/Kg	4/17/2013

Method Reference(s): EPA 8260B
EPA 5035

Data File: X04526.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: 131326

Client: **Stantec**

Project Reference: Former Carriage Facility

Sample Identifier: L1-B-S1

Lab Sample ID: 131326-01

Matrix: Soil

Date Sampled: 4/17/2013

Date Received: 4/17/2013

Semi-Volatile Tentatively Identified Compounds

Tentatively Identified Compound	Result	Units	Qualifier	Date Analyzed
Unknown	**974**	ug/Kg		4/18/2013
Unknown Alkane	**4690**	ug/Kg		4/18/2013
Unknown Alkane	**2270**	ug/Kg		4/18/2013
Unknown Alkane	**678**	ug/Kg		4/18/2013
Unknown Alkane	**3720**	ug/Kg		4/18/2013
Unknown Alkane	**927**	ug/Kg		4/18/2013
Decahydro-trans-naphthalene	**994**	ug/Kg		4/18/2013
Unknown	**2470**	ug/Kg		4/18/2013
Unknown	**694**	ug/Kg		4/18/2013
Unknown PAH	**1060**	ug/Kg		4/18/2013
Unknown Alkane	**1300**	ug/Kg		4/18/2013
Unknown Alkane	**1170**	ug/Kg		4/18/2013
Unknown	**595**	ug/Kg		4/18/2013
Unknown Alkane	**1410**	ug/Kg		4/18/2013
Unknown Alkane	**795**	ug/Kg		4/18/2013
Unknown	**913**	ug/Kg		4/18/2013
Unknown	**796**	ug/Kg		4/18/2013
Unknown Alkane	**1270**	ug/Kg		4/18/2013
Unknown Alkane	**728**	ug/Kg		4/18/2013
Sulfur	**11200**	ug/Kg		4/18/2013

Method Reference(s): EPA 8270C
EPA 3550C

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

Report Prepared Friday, April 19, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131326

Client: **Stantec**

Project Reference: Former Carriage Facility

Sample Identifier: L1-B-S1

Lab Sample ID: 131326-01

Matrix: Soil

Date Sampled: 4/17/2013

Date Received: 4/17/2013

Volatile Tentatively Identified Compounds

Tentatively Identified Compound	Result	Units	Qualifier	Date Analyzed
Unknown Cyclohexane	**250**	ug/Kg		4/17/2013
Unknown Alkane	**313**	ug/Kg		4/17/2013
Unknown	**171**	ug/Kg		4/17/2013
Unknown	**634**	ug/Kg		4/17/2013
Unknown	**297**	ug/Kg		4/17/2013
Unknown	**657**	ug/Kg		4/17/2013
Unknown	**384**	ug/Kg		4/17/2013
Unknown	**213**	ug/Kg		4/17/2013
Unknown Cyclohexane	**198**	ug/Kg		4/17/2013
Unknown	**262**	ug/Kg		4/17/2013
Unknown Alkane	**176**	ug/Kg		4/17/2013
Unknown Alkane	**196**	ug/Kg		4/17/2013
Unknown Alkane	**344**	ug/Kg		4/17/2013
Unknown Alkane	**227**	ug/Kg		4/17/2013
Unknown Naphthalene	**377**	ug/Kg		4/17/2013
Unknown	**188**	ug/Kg		4/17/2013
Unknown Alkane	**210**	ug/Kg		4/17/2013
Unknown	**342**	ug/Kg		4/17/2013
Unknown Alkane	**142**	ug/Kg		4/17/2013
Unknown	**140**	ug/Kg		4/17/2013

Method Reference(s): EPA 8260B
EPA 5035A

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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

PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

1 of 1

REPORT TO:			INVOICE TO:			LAB PROJECT ID
CLIENT: Stantec			CLIENT: Same			131326
ADDRESS: 61 Commercial			ADDRESS:			Quotation #: 190500757
CITY: Rochester	STATE:	ZIP:	CITY:	STATE:	ZIP:	Email:
PHONE:			PHONE:			
ATTN: M Storonsky / R. Mahoney			ATTN: R Mahoney			bob.mahoney@Stantec.com

PROJECT REFERENCE: Former Carriage Factory

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	TCLVOCs + STARS									REMARKS	PARADIGM LAB SAMPLE NUMBER
1	4/17/13	0930		X	21-B-S1	Soil	1	X									PID rdg 400 ppm +	01
2																		
3																		
4																	CPC M.S. 4-18-13 1130	
5																	add VOC Tics to the VOA	
6																	analysis and add TCLSVOA + Tics	
7																	1 day TAT please 4-18-13 1300	
8																		
9																		
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	☑	per M. Storonsky 4/17 EAH 4/17			
Other	☐	Other	☐	Other EDD	☒
please indicate: ASAP		please indicate:		please indicate: Stantec	

Sampled By: R Mahoney	Date/Time: 4/17/13 0930	
Relinquished By: R Mahoney	Date/Time: 4/17/13 1132	
Received By: [signature]	Date/Time: 4/17/13 1152 AM	P.I.F. ☐
Received @ Lab By: Elizabeth A. Hoench	Date/Time: 4/17/13 1240	

20°C @ 12/2 4/17/13. Delivered by Stantec so custody seals N/A. EAH 4/17

Total Cost:

PARADIGM

Chain of Custody Supplement

Client: Stantec **Completed by:** EAH

Lab Project ID: 131326 **Date:** 4/[illegible]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	☒ cc EAH 4/17	☒ 5035	☐
Comments			
Transferred to method-compliant container	☐	☐	☒
Headspace (<1 mL)	☐	☐	☒
Comments			
Preservation	☐	☐	☒
Comments			
Chlorine Absent (<0.10 ppm per test strip)	☐	☐	☒
Comments			
Holding Time	☒	☐	☐
Comments			
Temperature	☒	☐	☐
Comments	@20°C - ok b/c rec'd within 6 hrs. of sampling @1212 4/17. From sample.		
Sufficient Sample Quantity	☒	☐	☐
Comments			

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131358

Client: **Stantec**

Project Reference: 190500751

Sample Identifier: L1-B-3S
Lab Sample ID: 131358-01 **Date Sampled:** 4/18/2013
Matrix: Soil **Date Received:** 4/18/2013

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 323	ug/Kg		4/18/2013
1,2,4,5-Tetrachlorobenzene	< 323	ug/Kg		4/18/2013
1,2,4-Trichlorobenzene	< 323	ug/Kg		4/18/2013
1,2-Dichlorobenzene	< 323	ug/Kg		4/18/2013
1,3-Dichlorobenzene	< 323	ug/Kg		4/18/2013
1,4-Dichlorobenzene	< 323	ug/Kg		4/18/2013
2,3,4,6-Tetrachlorophenol	< 323	ug/Kg		4/18/2013
2,4,5-Trichlorophenol	< 647	ug/Kg		4/18/2013
2,4,6-Trichlorophenol	< 323	ug/Kg		4/18/2013
2,4-Dichlorophenol	< 323	ug/Kg		4/18/2013
2,4-Dimethylphenol	< 323	ug/Kg		4/18/2013
2,4-Dinitrophenol	< 647	ug/Kg		4/18/2013
2,4-Dinitrotoluene	< 323	ug/Kg		4/18/2013
2,6-Dinitrotoluene	< 323	ug/Kg		4/18/2013
2-Chloronaphthalene	< 323	ug/Kg		4/18/2013
2-Chlorophenol	< 323	ug/Kg		4/18/2013
2-Methylnapthalene	< 323	ug/Kg		4/18/2013
2-Methylphenol	< 323	ug/Kg		4/18/2013
2-Nitroaniline	< 647	ug/Kg		4/18/2013
2-Nitrophenol	< 323	ug/Kg		4/18/2013
3&4-Methylphenol	< 323	ug/Kg		4/18/2013
3,3'-Dichlorobenzidine	< 323	ug/Kg		4/18/2013
3-Nitroaniline	< 647	ug/Kg		4/18/2013
4,6-Dinitro-2-methylphenol	< 647	ug/Kg		4/18/2013
4-Bromophenyl phenyl ether	< 323	ug/Kg		4/18/2013
4-Chloro-3-methylphenol	< 323	ug/Kg		4/18/2013
4-Chloroaniline	< 323	ug/Kg		4/18/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131358

Client: **Stantec**

Project Reference: 190500751

Sample Identifier: L1-B-3S

Lab Sample ID: 131358-01 **Date Sampled:** 4/18/2013

Matrix: Soil **Date Received:** 4/18/2013

4-Chlorophenyl phenyl ether	< 323	ug/Kg	4/18/2013
4-Nitroaniline	< 647	ug/Kg	4/18/2013
4-Nitrophenol	< 647	ug/Kg	4/18/2013
Acenaphthene	< 323	ug/Kg	4/18/2013
Acenaphthylene	< 323	ug/Kg	4/18/2013
Acetophenone	< 323	ug/Kg	4/18/2013
Anthracene	< 323	ug/Kg	4/18/2013
Atrazine	< 323	ug/Kg	4/18/2013
Benzaldehyde	< 323	ug/Kg	4/18/2013
Benzo (a) anthracene	< 323	ug/Kg	4/18/2013
Benzo (a) pyrene	< 323	ug/Kg	4/18/2013
Benzo (b) fluoranthene	< 323	ug/Kg	4/18/2013
Benzo (g,h,i) perylene	< 323	ug/Kg	4/18/2013
Benzo (k) fluoranthene	< 323	ug/Kg	4/18/2013
Bis (2-chloroethoxy) methane	< 323	ug/Kg	4/18/2013
Bis (2-chloroethyl) ether	< 323	ug/Kg	4/18/2013
Bis (2-chloroisopropyl) ether	< 323	ug/Kg	4/18/2013
Bis (2-ethylhexyl) phthalate	< 323	ug/Kg	4/18/2013
Butylbenzylphthalate	< 323	ug/Kg	4/18/2013
Caprolactam	< 323	ug/Kg	4/18/2013
Carbazole	< 323	ug/Kg	4/18/2013
Chrysene	< 323	ug/Kg	4/18/2013
Dibenz (a,h) anthracene	< 323	ug/Kg	4/18/2013
Dibenzofuran	< 323	ug/Kg	4/18/2013
Diethyl phthalate	< 323	ug/Kg	4/18/2013
Dimethyl phthalate	< 647	ug/Kg	4/18/2013
Di-n-butyl phthalate	< 323	ug/Kg	4/18/2013
Di-n-octylphthalate	< 323	ug/Kg	4/18/2013
Fluoranthene	< 323	ug/Kg	4/18/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131358

Client: **Stantec**

Project Reference: 190500751

Sample Identifier: L1-B-3S

Lab Sample ID: 131358-01 **Date Sampled:** 4/18/2013

Matrix: Soil **Date Received:** 4/18/2013

Fluorene	< 323	ug/Kg	4/18/2013
Hexachlorobenzene	< 323	ug/Kg	4/18/2013
Hexachlorobutadiene	< 323	ug/Kg	4/18/2013
Hexachlorocyclopentadiene	< 323	ug/Kg	4/18/2013
Hexachloroethane	< 323	ug/Kg	4/18/2013
Indeno (1,2,3-cd) pyrene	< 323	ug/Kg	4/18/2013
Isophorone	< 323	ug/Kg	4/18/2013
Naphthalene	< 323	ug/Kg	4/18/2013
Nitrobenzene	< 323	ug/Kg	4/18/2013
N-Nitroso-di-n-propylamine	< 323	ug/Kg	4/18/2013
N-Nitrosodiphenylamine	< 323	ug/Kg	4/18/2013
Pentachlorophenol	< 647	ug/Kg	4/18/2013
Phenanthrene	< 323	ug/Kg	4/18/2013
Phenol	< 323	ug/Kg	4/18/2013
Pyrene	< 323	ug/Kg	4/18/2013

Method Reference(s): EPA 8270C
EPA 3550C

Data File: S69029.D

Report Prepared Monday, April 22, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131358

Client: **Stantec**

Project Reference: 190500751

Sample Identifier: L1-B-3S
Lab Sample ID: 131358-01 **Date Sampled:** 4/18/2013
Matrix: Soil **Date Received:** 4/18/2013

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 3.49	ug/Kg		4/18/2013
1,1,2,2-Tetrachloroethane	< 3.49	ug/Kg		4/18/2013
1,1,2-Trichloroethane	< 3.49	ug/Kg		4/18/2013
1,1-Dichloroethane	< 3.49	ug/Kg		4/18/2013
1,1-Dichloroethene	< 3.49	ug/Kg		4/18/2013
1,2,3-Trichlorobenzene	< 8.74	ug/Kg		4/18/2013
1,2,4-Trichlorobenzene	< 8.74	ug/Kg		4/18/2013
1,2,4-Trimethylbenzene	< 3.49	ug/Kg		4/18/2013
1,2-Dibromo-3-Chloropropane	< 17.5	ug/Kg		4/18/2013
1,2-Dibromoethane	< 3.49	ug/Kg		4/18/2013
1,2-Dichlorobenzene	< 3.49	ug/Kg		4/18/2013
1,2-Dichloroethane	< 3.49	ug/Kg		4/18/2013
1,2-Dichloropropane	< 3.49	ug/Kg		4/18/2013
1,3,5-Trimethylbenzene	< 3.49	ug/Kg		4/18/2013
1,3-Dichlorobenzene	< 3.49	ug/Kg		4/18/2013
1,4-Dichlorobenzene	< 3.49	ug/Kg		4/18/2013
1,4-dioxane	< 34.9	ug/Kg		4/18/2013
2-Butanone	< 17.5	ug/Kg		4/18/2013
2-Hexanone	< 8.74	ug/Kg		4/18/2013
4-Methyl-2-pentanone	< 8.74	ug/Kg		4/18/2013
Acetone	**9.38**	ug/Kg		4/18/2013
Benzene	< 3.49	ug/Kg		4/18/2013
Bromochloromethane	< 8.74	ug/Kg		4/18/2013
Bromodichloromethane	< 3.49	ug/Kg		4/18/2013
Bromoform	< 8.74	ug/Kg		4/18/2013
Bromomethane	< 3.49	ug/Kg		4/18/2013
Carbon disulfide	< 3.49	ug/Kg		4/18/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131358

Client: **Stantec**

Project Reference: 190500751

Sample Identifier: L1-B-3S

Lab Sample ID: 131358-01 **Date Sampled:** 4/18/2013

Matrix: Soil **Date Received:** 4/18/2013

Carbon Tetrachloride	< 3.49	ug/Kg		4/18/2013
Chlorobenzene	< 3.49	ug/Kg		4/18/2013
Chloroethane	< 3.49	ug/Kg		4/18/2013
Chloroform	< 3.49	ug/Kg		4/18/2013
Chloromethane	< 3.49	ug/Kg		4/18/2013
cis-1,2-Dichloroethene	< 3.49	ug/Kg		4/18/2013
cis-1,3-Dichloropropene	< 3.49	ug/Kg		4/18/2013
Cyclohexane	< 17.5	ug/Kg		4/18/2013
Dibromochloromethane	< 3.49	ug/Kg		4/18/2013
Dichlorodifluoromethane	< 3.49	ug/Kg		4/18/2013
Ethylbenzene	< 3.49	ug/Kg		4/18/2013
Freon 113	< 3.49	ug/Kg		4/18/2013
Isopropylbenzene	< 3.49	ug/Kg		4/18/2013
m,p-Xylene	< 3.49	ug/Kg		4/18/2013
Methyl acetate	< 3.49	ug/Kg		4/18/2013
Methyl tert-butyl Ether	< 3.49	ug/Kg		4/18/2013
Methylcyclohexane	< 3.49	ug/Kg		4/18/2013
Methylene chloride	< 8.74	ug/Kg		4/18/2013
Naphthalene	< 8.74	ug/Kg		4/18/2013
n-Butylbenzene	< 3.49	ug/Kg		4/18/2013
n-Propylbenzene	< 3.49	ug/Kg		4/18/2013
o-Xylene	< 3.49	ug/Kg		4/18/2013
p-Isopropyltoluene	< 3.49	ug/Kg		4/18/2013
sec-Butylbenzene	**2.16**	ug/Kg	J	4/18/2013
Styrene	< 8.74	ug/Kg		4/18/2013
tert-Butylbenzene	< 3.49	ug/Kg		4/18/2013
Tetrachloroethene	< 3.49	ug/Kg		4/18/2013
Toluene	< 3.49	ug/Kg		4/18/2013
trans-1,2-Dichloroethene	< 3.49	ug/Kg		4/18/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131358

Client: **Stantec**

Project Reference: 190500751

Sample Identifier: L1-B-3S

Lab Sample ID: 131358-01 **Date Sampled:** 4/18/2013

Matrix: Soil **Date Received:** 4/18/2013

trans-1,3-Dichloropropene	< 3.49	ug/Kg	4/18/2013
Trichloroethene	< 3.49	ug/Kg	4/18/2013
Trichlorofluoromethane	< 3.49	ug/Kg	4/18/2013
Vinyl chloride	< 3.49	ug/Kg	4/18/2013

Surrogate outliers indicate probable matrix interference

Method Reference(s): EPA 8260B
EPA 5035

Data File: X04546.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 Monday, April 22, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131358

Client: **Stantec**

Project Reference: 190500751

Sample Identifier: L1-B-4S

Lab Sample ID: 131358-02 **Date Sampled:** 4/18/2013

Matrix: Soil **Date Received:** 4/18/2013

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 331	ug/Kg		4/18/2013
1,2,4,5-Tetrachlorobenzene	< 331	ug/Kg		4/18/2013
1,2,4-Trichlorobenzene	< 331	ug/Kg		4/18/2013
1,2-Dichlorobenzene	< 331	ug/Kg		4/18/2013
1,3-Dichlorobenzene	< 331	ug/Kg		4/18/2013
1,4-Dichlorobenzene	< 331	ug/Kg		4/18/2013
2,3,4,6-Tetrachlorophenol	< 331	ug/Kg		4/18/2013
2,4,5-Trichlorophenol	< 661	ug/Kg		4/18/2013
2,4,6-Trichlorophenol	< 331	ug/Kg		4/18/2013
2,4-Dichlorophenol	< 331	ug/Kg		4/18/2013
2,4-Dimethylphenol	< 331	ug/Kg		4/18/2013
2,4-Dinitrophenol	< 661	ug/Kg		4/18/2013
2,4-Dinitrotoluene	< 331	ug/Kg		4/18/2013
2,6-Dinitrotoluene	< 331	ug/Kg		4/18/2013
2-Chloronaphthalene	< 331	ug/Kg		4/18/2013
2-Chlorophenol	< 331	ug/Kg		4/18/2013
2-Methylnapthalene	< 331	ug/Kg		4/18/2013
2-Methylphenol	< 331	ug/Kg		4/18/2013
2-Nitroaniline	< 661	ug/Kg		4/18/2013
2-Nitrophenol	< 331	ug/Kg		4/18/2013
3&4-Methylphenol	< 331	ug/Kg		4/18/2013
3,3'-Dichlorobenzidine	< 331	ug/Kg		4/18/2013
3-Nitroaniline	< 661	ug/Kg		4/18/2013
4,6-Dinitro-2-methylphenol	< 661	ug/Kg		4/18/2013
4-Bromophenyl phenyl ether	< 331	ug/Kg		4/18/2013
4-Chloro-3-methylphenol	< 331	ug/Kg		4/18/2013
4-Chloroaniline	< 331	ug/Kg		4/18/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131358

Client: **Stantec**

Project Reference: 190500751

Sample Identifier: L1-B-4S
Lab Sample ID: 131358-02 **Date Sampled:** 4/18/2013
Matrix: Soil **Date Received:** 4/18/2013

4-Chlorophenyl phenyl ether	< 331	ug/Kg	4/18/2013
4-Nitroaniline	< 661	ug/Kg	4/18/2013
4-Nitrophenol	< 661	ug/Kg	4/18/2013
Acenaphthene	< 331	ug/Kg	4/18/2013
Acenaphthylene	< 331	ug/Kg	4/18/2013
Acetophenone	< 331	ug/Kg	4/18/2013
Anthracene	< 331	ug/Kg	4/18/2013
Atrazine	< 331	ug/Kg	4/18/2013
Benzaldehyde	< 331	ug/Kg	4/18/2013
Benzo (a) anthracene	< 331	ug/Kg	4/18/2013
Benzo (a) pyrene	< 331	ug/Kg	4/18/2013
Benzo (b) fluoranthene	< 331	ug/Kg	4/18/2013
Benzo (g,h,i) perylene	< 331	ug/Kg	4/18/2013
Benzo (k) fluoranthene	< 331	ug/Kg	4/18/2013
Bis (2-chloroethoxy) methane	< 331	ug/Kg	4/18/2013
Bis (2-chloroethyl) ether	< 331	ug/Kg	4/18/2013
Bis (2-chloroisopropyl) ether	< 331	ug/Kg	4/18/2013
Bis (2-ethylhexyl) phthalate	< 331	ug/Kg	4/18/2013
Butylbenzylphthalate	< 331	ug/Kg	4/18/2013
Caprolactam	< 331	ug/Kg	4/18/2013
Carbazole	< 331	ug/Kg	4/18/2013
Chrysene	< 331	ug/Kg	4/18/2013
Dibenz (a,h) anthracene	< 331	ug/Kg	4/18/2013
Dibenzofuran	< 331	ug/Kg	4/18/2013
Diethyl phthalate	< 331	ug/Kg	4/18/2013
Dimethyl phthalate	< 661	ug/Kg	4/18/2013
Di-n-butyl phthalate	< 331	ug/Kg	4/18/2013
Di-n-octylphthalate	< 331	ug/Kg	4/18/2013
Fluoranthene	< 331	ug/Kg	4/18/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131358

Client: **Stantec**

Project Reference: 190500751

Sample Identifier: L1-B-4S

Lab Sample ID: 131358-02 **Date Sampled:** 4/18/2013

Matrix: Soil **Date Received:** 4/18/2013

Fluorene	< 331	ug/Kg	4/18/2013
Hexachlorobenzene	< 331	ug/Kg	4/18/2013
Hexachlorobutadiene	< 331	ug/Kg	4/18/2013
Hexachlorocyclopentadiene	< 331	ug/Kg	4/18/2013
Hexachloroethane	< 331	ug/Kg	4/18/2013
Indeno (1,2,3-cd) pyrene	< 331	ug/Kg	4/18/2013
Isophorone	< 331	ug/Kg	4/18/2013
Naphthalene	< 331	ug/Kg	4/18/2013
Nitrobenzene	< 331	ug/Kg	4/18/2013
N-Nitroso-di-n-propylamine	< 331	ug/Kg	4/18/2013
N-Nitrosodiphenylamine	< 331	ug/Kg	4/18/2013
Pentachlorophenol	< 661	ug/Kg	4/18/2013
Phenanthrene	< 331	ug/Kg	4/18/2013
Phenol	< 331	ug/Kg	4/18/2013
Pyrene	< 331	ug/Kg	4/18/2013

Method Reference(s): EPA 8270C
EPA 3550C

Data File: S69030.D

Report Prepared Monday, April 22, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131358

Client: **Stantec**

Project Reference: 190500751

Sample Identifier: L1-B-4S
Lab Sample ID: 131358-02 **Date Sampled:** 4/18/2013
Matrix: Soil **Date Received:** 4/18/2013

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.40	ug/Kg		4/18/2013
1,1,2,2-Tetrachloroethane	< 4.40	ug/Kg		4/18/2013
1,1,2-Trichloroethane	< 4.40	ug/Kg		4/18/2013
1,1-Dichloroethane	< 4.40	ug/Kg		4/18/2013
1,1-Dichloroethene	< 4.40	ug/Kg		4/18/2013
1,2,3-Trichlorobenzene	< 11.0	ug/Kg		4/18/2013
1,2,4-Trichlorobenzene	< 11.0	ug/Kg		4/18/2013
1,2,4-Trimethylbenzene	< 4.40	ug/Kg		4/18/2013
1,2-Dibromo-3-Chloropropane	< 22.0	ug/Kg		4/18/2013
1,2-Dibromoethane	< 4.40	ug/Kg		4/18/2013
1,2-Dichlorobenzene	< 4.40	ug/Kg		4/18/2013
1,2-Dichloroethane	< 4.40	ug/Kg		4/18/2013
1,2-Dichloropropane	< 4.40	ug/Kg		4/18/2013
1,3,5-Trimethylbenzene	< 4.40	ug/Kg		4/18/2013
1,3-Dichlorobenzene	< 4.40	ug/Kg		4/18/2013
1,4-Dichlorobenzene	< 4.40	ug/Kg		4/18/2013
1,4-dioxane	< 44.0	ug/Kg		4/18/2013
2-Butanone	< 22.0	ug/Kg		4/18/2013
2-Hexanone	< 11.0	ug/Kg		4/18/2013
4-Methyl-2-pentanone	< 11.0	ug/Kg		4/18/2013
Acetone	< 22.0	ug/Kg		4/18/2013
Benzene	< 4.40	ug/Kg		4/18/2013
Bromochloromethane	< 11.0	ug/Kg		4/18/2013
Bromodichloromethane	< 4.40	ug/Kg		4/18/2013
Bromoform	< 11.0	ug/Kg		4/18/2013
Bromomethane	< 4.40	ug/Kg		4/18/2013
Carbon disulfide	< 4.40	ug/Kg		4/18/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131358

Client: **Stantec**

Project Reference: 190500751

Sample Identifier: L1-B-4S

Lab Sample ID: 131358-02 **Date Sampled:** 4/18/2013

Matrix: Soil **Date Received:** 4/18/2013

Carbon Tetrachloride	< 4.40	ug/Kg		4/18/2013
Chlorobenzene	< 4.40	ug/Kg		4/18/2013
Chloroethane	< 4.40	ug/Kg		4/18/2013
Chloroform	< 4.40	ug/Kg		4/18/2013
Chloromethane	< 4.40	ug/Kg		4/18/2013
cis-1,2-Dichloroethene	**27.0**	ug/Kg		4/18/2013
cis-1,3-Dichloropropene	< 4.40	ug/Kg		4/18/2013
Cyclohexane	< 22.0	ug/Kg		4/18/2013
Dibromochloromethane	< 4.40	ug/Kg		4/18/2013
Dichlorodifluoromethane	< 4.40	ug/Kg		4/18/2013
Ethylbenzene	< 4.40	ug/Kg		4/18/2013
Freon 113	< 4.40	ug/Kg		4/18/2013
Isopropylbenzene	< 4.40	ug/Kg		4/18/2013
m,p-Xylene	< 4.40	ug/Kg		4/18/2013
Methyl acetate	< 4.40	ug/Kg		4/18/2013
Methyl tert-butyl Ether	< 4.40	ug/Kg		4/18/2013
Methylcyclohexane	< 4.40	ug/Kg		4/18/2013
Methylene chloride	< 11.0	ug/Kg		4/18/2013
Naphthalene	< 11.0	ug/Kg		4/18/2013
n-Butylbenzene	< 4.40	ug/Kg		4/18/2013
n-Propylbenzene	< 4.40	ug/Kg		4/18/2013
o-Xylene	< 4.40	ug/Kg		4/18/2013
p-Isopropyltoluene	< 4.40	ug/Kg		4/18/2013
sec-Butylbenzene	< 4.40	ug/Kg		4/18/2013
Styrene	< 11.0	ug/Kg		4/18/2013
tert-Butylbenzene	< 4.40	ug/Kg		4/18/2013
Tetrachloroethene	**2.35**	ug/Kg	J	4/18/2013
Toluene	< 4.40	ug/Kg		4/18/2013
trans-1,2-Dichloroethene	**4.77**	ug/Kg		4/18/2013

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131358

Client: **Stantec**

Project Reference: 190500751

Sample Identifier: L1-B-4S

Lab Sample ID: 131358-02 **Date Sampled:** 4/18/2013

Matrix: Soil **Date Received:** 4/18/2013

trans-1,3-Dichloropropene	< 4.40	ug/Kg	4/18/2013
Trichloroethene	**63.5**	ug/Kg	4/18/2013
Trichlorofluoromethane	< 4.40	ug/Kg	4/18/2013
Vinyl chloride	< 4.40	ug/Kg	4/18/2013

Method Reference(s): EPA 8260B
EPA 5035

Data File: X04555.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: 131358

Client: **Stantec**

Project Reference: 190500751

Sample Identifier: L1-B-3S

Lab Sample ID: 131358-01

Matrix: Soil

Date Sampled: 4/18/2013

Date Received: 4/18/2013

Semi-Volatile Tentatively Identified Compounds

Tentatively Identified Compound	Result	Units	Qualifier	Date Analyzed
Unknown Alkane	**349**	ug/Kg		4/18/2013
Unknown Alkane	**265**	ug/Kg		4/18/2013
Unknown Alkane	**336**	ug/Kg		4/18/2013
Unknown Alkane	**1070**	ug/Kg		4/18/2013
Unknown Alkane	**605**	ug/Kg		4/18/2013
Unknown	**243**	ug/Kg		4/18/2013
Decahydro-trans-naphthalene	**796**	ug/Kg		4/18/2013
Tricyclo [3.3.1 (n,7) decane	**289**	ug/Kg		4/18/2013
Unknown	**263**	ug/Kg		4/18/2013
Unknown Alkane	**263**	ug/Kg		4/18/2013
Unknown PAH	**552**	ug/Kg		4/18/2013
Unknown	**502**	ug/Kg		4/18/2013
Unknown Alkane	**1330**	ug/Kg		4/18/2013
Unknown	**714**	ug/Kg		4/18/2013
Unknown	**456**	ug/Kg		4/18/2013
Unknown	**618**	ug/Kg		4/18/2013
Unknown	**943**	ug/Kg		4/18/2013
Unknown	**569**	ug/Kg		4/18/2013
Sulfur	**19300**	ug/Kg		4/18/2013
Unknown	**1290**	ug/Kg		4/18/2013

Method Reference(s): EPA 8270C
EPA 3550C

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

Report Prepared Monday, April 22, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131358

Client: **Stantec**

Project Reference: 190500751

Sample Identifier: L1-B-3S

Lab Sample ID: 131358-01

Matrix: Soil

Date Sampled: 4/18/2013

Date Received: 4/18/2013

Volatile Tentatively Identified Compounds

Tentatively Identified Compound	Result	Units	Qualifier	Date Analyzed
Alkyl Hydrocarbon	**202**	ug/Kg		4/18/2013
Alkyl Hydrocarbon	**120**	ug/Kg		4/18/2013
Alkyl Hydrocarbon	**313**	ug/Kg		4/18/2013
Unknown	**122**	ug/Kg		4/18/2013
Alkyl Hydrocarbon	**237**	ug/Kg		4/18/2013
Alkyl Cyclohexane	**127**	ug/Kg		4/18/2013
Alkyl Cyclohexane	**121**	ug/Kg		4/18/2013
Alkyl Cyclohexane	**97.7**	ug/Kg		4/18/2013
Alkyl Hydrocarbon	**100**	ug/Kg		4/18/2013
Alkyl Hydrocarbon	**268**	ug/Kg		4/18/2013
Unknown	**201**	ug/Kg		4/18/2013
Alkyl Hydrocarbon	**104**	ug/Kg		4/18/2013
Unknown	**95.9**	ug/Kg		4/18/2013
Alkyl Naphthalene	**341**	ug/Kg		4/18/2013
Unknown	**96.6**	ug/Kg		4/18/2013
Alkyl Cyclohexane	**136**	ug/Kg		4/18/2013
Alkyl Hydrocarbon	**178**	ug/Kg		4/18/2013
Alkyl Hydrocarbon	**103**	ug/Kg		4/18/2013
Unknown	**281**	ug/Kg		4/18/2013
Unknown	**158**	ug/Kg		4/18/2013

Method Reference(s): EPA 8260B
EPA 5035A

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

Report Prepared Monday, April 22, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131358

Client: **Stantec**

Project Reference: 190500751

Sample Identifier: L1-B-4S

Lab Sample ID: 131358-02

Matrix: Soil

Date Sampled: 4/18/2013

Date Received: 4/18/2013

Semi-Volatile Tentatively Identified Compounds

Tentatively Identified Compound	Result	Units	Qualifier	Date Analyzed
None Found	< 132	ug/Kg		4/18/2013

Method Reference(s): EPA 8270C
EPA 3550C

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

Report Prepared Monday, April 22, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 131358

Client: **Stantec**

Project Reference: 190500751

Sample Identifier: L1-B-4S

Lab Sample ID: 131358-02

Matrix: Soil

Date Sampled: 4/18/2013

Date Received: 4/18/2013

Volatile Tentatively Identified Compounds

Tentatively Identified Compound	Result	Units	Qualifier	Date Analyzed
Unknown	**40.5**	ug/Kg		4/18/2013
Unknown	**39.2**	ug/Kg		4/18/2013

Method Reference(s): EPA 8260B
EPA 5035A

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

Report Prepared Monday, April 22, 2013

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

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC

REPORT TO:		INVOICE TO:		LAB PROJECT ID
CLIENT:	Stantec	CLIENT:	Same	131358
ADDRESS:	61 Commercial	ADDRESS:		Quotation #:
CITY:	Rochester STATE: ZIP:	CITY:	STATE: ZIP:	
PHONE:	645-2567	PHONE:		Email:
ATTN:	Bob Mahoney / Mike Storonsky	ATTN:	Bob Mahoney ~~Mike Storonsky~~	bob.mahoney@stantec.com mike.storonsky@stantec.com

PROJECT REFERENCE
19050075?

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 VOCs + STARS	TCL SVOCs + STARS									REMARKS	PARADIGM LAB SAMPLE NUMBER		
1	4/18/13	0715		X	L4-B-3S	SO	1	X	X									include TICs	0	1	
2	4/18/13	1140		X	L1-B-4S	SO	1	X	X										0	2	
3																					
4																					
5																					
6																					
7																					
8																					
9																					
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	☒	Stantec EDD ☒
Rush 1 day	☑			
Other please indicate: ASAP	☐	Other please indicate:	☐	Other EDD please indicate: ☐

Sampled By: RJMahoney	4/18/13 0715	Date/Time
Relinquished By: RJMahoney	4/18/13 1506	Date/Time
Received By: Jana J Arora	4/18/13 1500	Date/Time
Received @ Lab By: Elizabeth A Hamch	4/18/13 1506	Date/Time

4°C iced @ 1507 from samples. Cooler delivered by Stantec so custody seals NA.

Total Cost:

P.I.F. ☐

Chain of Custody Supplement

Client: Stantec **Completed by:** Mail

Lab Project ID: 131358 **Date:** 4/18/13

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
Comments			
Preservation			X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		
Comments	4°C iced @ 1507 from Samples. Cooler delivered by Stantec so custody seals N/A		
Sufficient Sample Quantity	X		
Comments			