MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - REMEDIATION AND REDEVELOPMENT DIVISION
PO BOX 30426, LANSING, MICHIGAN 48909-7926, Phone 517-284-5087, Fax 517-241-9581

Request for DEQ Review of Response Activity Plan

This form is required for submittal of a request for the DEQ to review a Response Activity Plan, under Section 20114b, Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.

Section A: Type of Response Activity Plan being Submitted (Check all that apply):

Remedial Investigation	☐	20b(2)Site Specific Criteria *(modification of generic criteria)*	☐
Evaluation Plan	☐		
Feasibility Study	☐	20b(3) Site Specific Criteria or Surrogate *(no generic criteria available)*	☐
Remedial Action Plan	☐		
Interim Response Plan	☐	Section 20118(4) and (5) Request	☐
Mixing Zone Request	☐	Land or Resource Use Restrictions	☐
20e(14) De Minimus GSI Impact	☐	Other, Specify: Soil Excavation and Installation of Vegetated Soil Cover	☒

The Response Activity Plan addresses the entire facility: ☐
(entire facility as defined by Part 201, all releases, hazardous substances, and environmental media)

The Response Activity Plan does not address the entire facility: ☒
Please specify the release(s), hazardous substance(s), environmental media, and/or portions of the facility addressed by the Response Activity Plan.

At select areas of the site, excavate soils with concentrations exceeding lead non-residential direct contact criteria and then install vegetated soil covers (exposure barriers).

Section B: Facility/Property Subject to (Check all that apply):

Facility regulated under Part 201 Part 201 Facility ID (if known):	☒
Leaking Underground Storage Tank regulated pursuant to Part 213 Part 211/213. Facility ID, if known:	☐
Oil or gas production and development regulated pursuant to Part 615 or 625	☐
Licensed landfill regulated pursuant to Part 115	☐
Licensed hazardous waste treatment, storage, or disposal facility regulated pursuant to Part 111	☐
Consent Agreement or other legal agreement with the MDEQ	☐

Section C: Facility and Locational Information:

Facility Name: RACER Saginaw Peninsula Property

Street Address of Property: 79 West Center Street

City: Saginaw State: MI Zip:

Property Tax ID (include all applicable IDs): 19-2231-00100

Status of submitter relative to the property (check all that apply):

	Former	Current	Prospective
Owner	☐	☐	☐
Operator	☒	☐	☐

County: Saginaw
City/Village/Township: Saginaw
Town: 12N Range: 4E Section:35
Quarter: SW Quarter-Quarter: SW

Decimal Degrees Latitude: 43.396305
Decimal Degrees Longitude: -83.974859

Reference point for latitude and longitude:
Center of site ☒ Main/front door ☐
Front gate/main entrance ☐ Other ☐

Collection method:
Survey ☐ GPS ☒ Interpolation ☐

Request for DEQ Review of Response Activity Plan

Section D: Submitter Information:

Entity/person requesting review: RACER Trust
Contact Person (name and title): David Favero, Deputy Cleanup Manager - Michigan
Submitter Address: 500 Woodward Ave, Suite 2650 State: MI Zip: 48226
City: Detroit E-Mail: dfavero@racertrust.org
Telephone: 734-879-9525
Relationship of contact person to the submitter: employee Company:
Owner Name, if different from submitter: RACER Properties LLC State: Zip:
Address: all info same as above E-Mail:
City:
Telephone:

Section E: Are/were the following present at the facility (Check all that apply):

	Current	Previous	Unknown
Mobile or Migrating Non Aqueous Phase Liquids (NAPL)	☐	☐	☐
Soil contamination above any residential criteria	☒	☐	☐
Soil contamination above any non-residential criteria	☒	☐	☐
Soil aesthetic impacts	☐	☐	☐
Groundwater contamination above any residential criteria	☒	☐	☐
Groundwater contamination above any non-residential criteria	☒	☐	☐
Groundwater aesthetic impacts	☐	☐	☐
Soil Gas contamination above residential vapor intrusion (VI) screening levels	☐	☐	☐
Soil Gas contamination above non-residential VI screening levels	☐	☐	☐
Conditions immediately dangerous to life or health (IDLH)	☐	☐	☐
Fire & Explosion hazards related to releases	☐	☐	☐
Contamination existing in drinking water supply	☐	☐	☐
Imminent threat to drinking water supply	☐	☐	☐
Impact to Surface Water	☐	☐	☐
Surface Water Sediments above screening levels	☐	☐	☐
	☐	☐	☐

Section F: The following questions assist DEQ in evaluating this request.

Known or Suspected Contaminant(s) Type (Check all that apply):
Petroleum ☐ Volatile Organic Compounds ☐ Metals ☒ Other ☐

Current Site Status (Check all that apply):
Undergoing property transfer ☐ Active operations ☐ Inactive operation ☒

Current Property Use:
Residential ☐
Non-residential ☒

Anticipated Property Use:
Residential ☐
Non-residential ☒

Estimated Area of Contamination Addressed in Response Action Plan (Cumulative):
Currently undetermined ☐ < 0.5 acre ☐ > 0.5 acre ☒

Migration:

	Yes	**No**	**Unknown**
Has contamination migrated beyond the property **boundaries?**	☐	☒	☐
Has the Notice of Migration been submitted?	☐	☒	☐

Request for DEQ Review of Response Activity Plan

Facility Investigation Status:

Ongoing ☐ Complete ☒

Facility Response Activity Status (Check all that apply):

None ☐ IR Implemented ☐ Response Activity Ongoing ☒ Response Activity Completed ☐

Drinking Water Supply for Facility (Check all that apply):

Municipal ☐ Private Well(s) ☐ No Current Water Supply ☐ Municipal Available ☒

On-site Well(s) (Check all that apply):

Drinking Water ☐ Industrial/Commercial Production ☐ Agricultural/Irrigation ☐ No well on-site ☒

Approximate Depth of Well(s):

Local Drinking Water Supply:

Is facility in a designated Wellhead Protection Area? Yes ☐ No ☒

Distance to nearest off-site drinking water well: >0.5 miles Private ☒ Municipal ☐

Surface Water Bodies on or Adjacent to Facility (Check all that apply):

Wetlands ☒ Ditch ☐ Stream/River ☒ Lake/Pond ☐

Local Surface Water Bodies:

Distance to nearest wetland: adjacent Ditch: seasonal wetland Stream/River: Saginaw River Lake/Pond:

Have other plans been submitted for this facility?

Facility Name, if different than this submittal: NA

Date and Name of most recent submittal: Excavation and Vegetated Soil Cap Activities Summary Report

Section G: Environmental Professional Signature:

With my signature below, I certify that this plan and all related materials are true, accurate, and complete to the best of my knowledge and belief.

Signature: Scott Clearwater Date: 2-8-16

Printed Name: Scott Clearwater

Company of Environmental Professional: Arcadis of MI, LLC

Address: 28550 Cabot Drive, Suite 500

City: Novi State: MI Zip: 48377

Telephone: 810-225-1921 E-mail address: Scott.Clearwater@arcadis.com

Section H: Submitter Signature:

With my signature below, I certify that this plan and all related materials are true, accurate, and complete to the best of my knowledge and belief and I am legally authorized to sign for the submitter

Signature: David Favero Date: Feb 8, 2016

Printed name: David Favero

Title/Relationship of signatory to submitter: Deputy Clean-up Manager - Michigan

Address: 500 Woodward Avenue, Suite 2650

City: Detroit State: MI Zip: 48226

Telephone: 734-879-9525 E-Mail address: dfavero@racertrust.org

Clearwater, Scott

From: Clearwater, Scott
Sent: Monday, February 08, 2016 4:03 PM
To: MATLOCKS@michigan.gov
Cc: Dave Favero <dfavero@racertrust.org>
Subject: FW: Peninsula Property - Lead Data and Draft Cap Work Plan
Attachments: Peninsula Cap Work Plan DEQ Review Cover Page 2-8-16.pdf; Peninsula HHPA Soil Evaluation Tables and Figure.pdf; Peninsula Supplemental Sample Results and Proposed Cap Areas 2-8-16.PDF

Sue,
Attached please find a Request for DEQ Review of Response Activity Plan for the Proposed Additional Vegetated Cap Area Work Plan. To aid in your review the 2010 summary tables and figure from the Draft Human Health Pathway Analysis for Unsaturated Soil (HHPA) are attached, along with our recent supplemental surficial soil sample results and proposed additional areas for excavation and vegetated soil cap installation Figure. Feel free to let me know if you have any questions or require additional details.
Thanks,
Scott

From: Dave Favero [mailto:dfavero@racertrust.org]
Sent: Thursday, February 04, 2016 3:56 PM
To: Kaelber-Matlock, Sue (DEQ); Clearwater, Scott
Subject: RE: Peninsula Property - Lead Data and Draft Cap Work Plan

Sue,
Does RACER need a formal submittal or approval? Or will all this have to go into a Certificate of Completion or NFA request?

Also I would appreciate if you would verify that the proposed new areas are adequate to address the lead issue.

Thank you,

David Favero
Deputy Cleanup Manager - Michigan

RACER | 500 Woodward Avenue, Suite 2650 | Detroit, MI 48226 | dfavero@racertrust.org | direct line – 734.879.9525 | c – 217.741.6235 | www.racertrust.org

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From: Kaelber-Matlock, Sue (DEQ) [mailto:MATLOCKS@michigan.gov]
Sent: Thursday, February 4, 2016 1:57 PM
To: Clearwater, Scott <Scott.Clearwater@arcadis.com>
Cc: Dave Favero <dfavero@racertrust.org>
Subject: RE: Peninsula Property - Lead Data and Draft Cap Work Plan

Thanks for the update Scott. Please let me know when you schedule the field work. Thanks, Sue

Sue Kaelber-Matlock
MDEQ-Remediation and Redevelopment Division
401 Ketchum Street
Bay City, Michigan 48708
989-894-6249
matlocks@michigan.gov

From: Clearwater, Scott [mailto:Scott.Clearwater@arcadis.com]
Sent: Wednesday, February 03, 2016 11:53 AM
To: Kaelber-Matlock, Sue (DEQ)
Cc: Dave Favero <dfavero@racertrust.org>
Subject: Peninsula Property - Lead Data and Draft Cap Work Plan

Sue,
Based on our discussions regarding the Peninsula Property excavation and vegetated soil cap report and recognition of the oversight of the December 2013 email requesting the boundary be extended to the next clean points, we completed 18 supplemental surficial soil borings (SB15-1 through SB15-18) in order to further assess and define the areas with lead exceedances. These soil samples were analyzed for total lead. Locations with total lead greater than 400 mg/kg were then also analyzed by fractional lead analysis. Based on the results of these supplemental samples there are 4 cap sidewalls that will require additional capping. The attached figure shows the supplemental lead sampling results and 4 proposed cap areas. These areas were drawn from the current cap boundary and extending to the GPS coordinates of the next clean soil point.

The work plan for these 4 areas will be to obtain a revised floodplain permit in order to excavate the first 6-inches of topsoil and then re-place that with clean topsoil to maintain a neutral elevation. The new topsoil will then be seeded in order to establish a vegetated cap matching that of the existing vegetated cap.

Thanks,
Scott

Scott Clearwater | Certified Project Manager | scott.clearwater@arcadis.com
Arcadis | Arcadis U.S., Inc.
28550 Cabot Drive, Suite 500, Novi, MI | 48377 | USA
T. +1 810 225 1921 | M. + 1 248 346 5970

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ARCADIS Design & Consultancy for natural and built assets

Be green, leave it on the screen.

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Table 1
Summary of Soil Sample Analytical Results for Metals
Plant 2 Landfill
Saginaw, Michigan

Location ID:		SB10-100	SB10-101	SB10-102	SB10-103	SB10-104	SB10-105	SB10-106	SB10-107	SB10-108	SB10-109	SB10-110	SB10-111	SB10-112
nple Depth(ft bgs):		0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Date Collected:		01/19/10	01/19/10	01/19/10	01/19/10	01/19/10	01/19/10	01/19/10	01/20/10	01/20/10	01/21/10	01/21/10	01/22/10	01/19/10
Area:	Units	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area
Inorganics														
Aluminum	mg/kg	13,700 J	6,390 J	8,640 J	5,460 J	6,320 J	18,600 J	11,400 J	8,880 J	7,490 J	5,860 J	4,520 J	10,700 J	3,730 J
Antimony	mg/kg	0.260	1.30	0.270	0.710	9.00	1.30	0.200	0.960	0.490	2.10	3.50	0.150 B	0.300
Arsenic	mg/kg	2.00	3.40	4.30	3.60	12.9	3.80	2.00	9.20	4.70	12.7	6.50	2.50	2.90
Barium	mg/kg	136 J	149 J	78.5 J	111 J	846 J	326 J	106 J	103 J	56.0 J	280 J	480 J	170 J	28.1 J
Beryllium	mg/kg	0.710	0.260	0.440	0.240	0.250	0.810	0.600	0.480	0.310	0.150	0.200	0.730	0.200
Cadmium	mg/kg	0.340	0.140	0.290	0.240	0.550	0.290	0.110	0.430	0.150	1.30	0.380	0.110	0.120
Calcium	mg/kg	74,100	67,200	11,300	39,600	15,000	91,100	50,300	34,800	15,400	21,700	9,380	53,200	8,350
Chromium	mg/kg	243 J	34.7 J	38.5 J	45.7 J	221 J	304 J	200 J	72.9 J	35.7 J	257 J	119 J	154 J	42.6 J
Cobalt	mg/kg	1.50	5.40	6.00	5.10	10.7	4.20	1.60	4.90	4.10	14.0	10.7	2.20	2.40
Copper	mg/kg	24.5 J	49.5 J	66.1 J	66.3 J	338 J	103 J	21.7 J	69.8 J	118 J	551 J	166 J	28.6 J	40.2 J
Iron	mg/kg	33,600 J	18,000 J	22,900 J	21,000 J	75,200 J	63,300 J	31,300 J	67,700 J	22,700 J	141,000 J	49,500 J	40,800 J	32,200 J
Lead	mg/kg	30.9	279	24.7	109	2,680	363 J	29.7	42.1	23.2	214 J	595 J	27.4	17.1
Magnesium	mg/kg	1,350 J	18,400 J	4,940 J	11,400 J	3,090 J	2,070 J	1,080 J	3,580 J	2,090 J	4,240 J	2,270 J	1,050 J	518 J
Manganese	mg/kg	20,400 J	291 J	523 J	918 J	2,060 J	19,500 J	16,200 J	3,550 J	1,950 J	2,770 J	1,660 J	12,700 J	3,530 J
Nickel	mg/kg	10.1 J	29.0 J	28.3 J	36.3 J	197 J	69.5 J	8.80 J	26.9	25.4	147 J	194 J	17.7	16.6 J
Potassium	mg/kg	1,510 J	1,560 J	1,460 J	1,090 J	742 J	1,600 J	1,190 J	1,160 J	724 J	533 J	511 J	959 J	343 J
Selenium	mg/kg	1.10	0.680	1.10	0.700	0.700	1.20	0.820	0.690	0.500	0.500	0.580	0.830	0.430
Silver	mg/kg	0.0610 B	0.0510 B	0.100	0.0990	0.350	0.170	0.0390 B	0.0530 B	0.0480 B	0.500	0.500	0.0410 B	0.0330 B
Sodium	mg/kg	600 J	98.0 B J	67.7 B J	100 B J	153 J	659 J	626 J	262 J	143 J	154 J	109 B J	425 J	125 J
Thallium	mg/kg	0.0250 B	0.120	0.110	0.0930	0.0590 B	0.0350 B J	0.0220 B	0.0530 B	0.0470 B	0.0680 B J	0.0570 B J	0.0230 B	0.0280 B
Vanadium	mg/kg	18.4	18.3	20.3	15.6	11.0	20.1	18.2	21.2	14.4	27.2	10.6	17.4	7.00
Zinc	mg/kg	29.0	50.1	55.0	80.3	143	52.5	18.4	34.3	47.9	169	76.2	30.9	18.8

See Notes Page 6.

Table 1
Summary of Soil Sample Analytical Results for Metals
Plant 2 Landfill
Saginaw, Michigan

Location ID:		SB10-113	SB10-114	SB10-115	SB10-115-DUP	SB10-116	SB10-117	SB10-118	SB10-119	SB10-120	SB10-121	SB10-122	SB10-123	SB10-124
nple Depth(ft bgs):		0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Date Collected:		01/20/10	01/20/10	01/21/10	01/21/10	01/21/10	01/22/10	01/19/10	01/20/10	01/20/10	01/21/10	01/21/10	01/22/10	01/19/10
Area:	Units	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area
Inorganics														
Aluminum	mg/kg	5,730 J	6,020 J	6,230 J	11,900 J	7,570 J	12,300 J	11,500 J	7,300 J	7,690 J	6,220 J	9,980 J	15,500 J	5,840 J
Antimony	mg/kg	16.0	43.6	0.200	0.230	0.540	1.10	0.330	21.3	2.20	2.40	0.520	0.680	0.450
Arsenic	mg/kg	13.5	12.0	3.70	3.60	4.20	19.7	3.10	19.5	3.80	5.50	4.10	6.20	3.30
Barium	mg/kg	225 J	98.4 J	66.4 J	82.6 J	110 J	150 J	131 J	327 J	67.1 J	120 J	76.8 J	241 J	50.5 J
Beryllium	mg/kg	0.460	0.580	0.260	0.510	0.340	0.860	0.620	0.550	0.380	0.390	0.420	1.20	0.360
Cadmium	mg/kg	0.480	0.250	0.0860	0.0970	0.110	3.50	0.190	0.520	0.160	0.290	0.120	1.70	0.370
Calcium	mg/kg	25,300	14,100	79,100	20,600	18,900	68,200	63,700	24,300	27,200	43,100	63,800	81,900	20,100
Chromium	mg/kg	244 J	130 J	21.3 J	24.9 J	87.8 J	272 J	222 J	263 J	33.6 J	73.6 J	29.8 J	289 J	70.5 J
Cobalt	mg/kg	13.7	10.2	6.10	8.00	3.30	9.60	2.70	13.4	4.80	4.80	5.50	7.30	2.30
Copper	mg/kg	529 J	1,540 J	19.5 J	18.0 J	94.2 J	189 J	41.8 J	429 J	72.9 J	160 J	42.3 J	146 J	56.5 J
Iron	mg/kg	92,000 J	67,300 J	13,900 J	19,300 J	36,100 J	126,000 J	40,700 J	113,000 J	18,700 J	27,800 J	21,600 J	89,100 J	27,000 J
Lead	mg/kg	2,640	10,100	23.6 J	18.2	32.3 J	424	41.8	2,120	485	257 J	60.2	149	57.1
Magnesium	mg/kg	7,490 J	4,890 J	22,400 J	11,500 J	1,580 J	2,230 J	1,310 J	3,780 J	9,190 J	6,490 J	19,100 J	2,580 J	854 J
Manganese	mg/kg	1,440 J	1,450 J	287 J	335 J	4,120 J	15,100 J	15,600 J	4,120 J	696 J	2,510 J	840 J	21,000 J	5,340 J
Nickel	mg/kg	280	279	23.2 J	21.9	25.9 J	152	17.5 J	400	35.8	47.7 J	29.9	76.0	14.8 J
Potassium	mg/kg	998 J	914 J	1,480 J	2,160 J	813 J	1,190 J	1,240 J	946 J	1,240 J	912 J	1,860 J	1,460 J	552 J
Selenium	mg/kg	0.800	1.10	0.720	0.810	0.580	0.650	0.970	0.760	0.690	0.660	0.650	1.00	0.600
Silver	mg/kg	0.270	1.00	0.0350 B	0.0360 B	0.0460 B	0.390	0.0560 B	0.300	0.0690 B	0.100	0.0350 B	0.230	0.0990
Sodium	mg/kg	92.2 B J	96.5 B J	108 B J	82.2 B J	445 J	684 J	377 J	175 J	88.2 B J	157 J	119 J	739 J	199 J
Thallium	mg/kg	0.0910 B	0.100	0.140 J	0.140	0.0500 B J	0.0270 B	0.0310 B	0.0710 B	0.0990	0.0760 B J	0.120	0.0490 B	0.0570 B
Vanadium	mg/kg	13.6	13.5	19.4	28.2	16.9	20.9	19.9	15.7	15.9	16.3	22.5	24.2	9.20
Zinc	mg/kg	211	224	26.3	38.4	39.1	485	43.0	141	51.6	98.8	36.4	131	55.8

See Notes Page 6.

Table 1
Summary of Soil Sample Analytical Results for Metals
Plant 2 Landfill
Saginaw, Michigan

Location ID:		SB10-125	SB10-126	SB10-126-DUP	SB10-127	SB10-128	SB10-129	SB10-130	SB10-131	SB10-132	SB10-133	SB10-134	SB10-135	SB10-136
nple Depth(ft bgs):		0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Date Collected:		01/20/10	01/20/10	01/20/10	01/21/10	01/21/10	01/22/10	01/19/10	01/20/10	01/20/10	01/21/10	01/21/10	01/22/10	01/19/10
Area:	Units	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area
Inorganics														
Aluminum	mg/kg	12,600 J	7,290 J	8,390 J	6,170 J	6,500 J	9,590 J	4,530 J	8,650 J	5,560 J	6,120 J	8,050 J	12,000 J	9,360 J
Antimony	mg/kg	6.00	1.20	1.20	2.30	2.20	0.270	0.180	0.100 B	0.380	0.580	0.530	1.90	0.330
Arsenic	mg/kg	20.7	7.40	6.70	5.80	6.20	3.60	1.70	3.20	3.00	3.30	4.30	13.3	3.10
Barium	mg/kg	143 J	117 J	114 J	126 J	106 J	135 J	39.6 J	50.4 J	44.4 J	49.2 J	114 J	119 J	84.7 J
Beryllium	mg/kg	0.370	0.500	0.580	0.300	0.390	0.600	0.280	0.430	0.320	0.230	0.400	0.560	0.520
Cadmium	mg/kg	3.40	0.380	0.250	0.260	0.260	0.150	0.0500	0.120	0.310	0.160	0.140	2.00	0.190
Calcium	mg/kg	9,020	39,200	44,700	33,500	49,300	34,600	14,800	83,300	42,000	82,600	51,000	38,600	47,800
Chromium	mg/kg	287 J	87.7 J	71.8 J	104 J	109 J	129 J	43.2 J	19.7 J	21.1 J	16.8 J	63.2 J	586 J	155 J
Cobalt	mg/kg	3,940	5.60	6.00	5.60	4.40	2.60	1.20	5.80	3.50	4.30	5.40	18.5	2.50
Copper	mg/kg	1,260 J	151 J	114 J	192 J	140 J	42.6 J	18.0 J	14.3 J	27.8 J	27.2 J	42.2 J	870 J	38.3 J
Iron	mg/kg	236,000 J	30,400 J	28,800 J	34,800 J	28,700 J	45,500 J	10,700 J	14,400 J	12,100 J	12,700 J	22,500 J	133,000 J	33,600 J
Lead	mg/kg	715	213	174	191 J	251	23.8	9.30	8.50	113	83.9 J	75.5	209	33.4
Magnesium	mg/kg	4,410 J	8,560 J	4,060 J	6,590 J	4,380 J	1,030 J	537 J	22,900 J	9,380 J	14,500 J	12,200 J	2,580 J	2,140 J
Manganese	mg/kg	2,530 J	2,420 J	1,450 J	2,190 J	2,210 J	9,950 J	3,210 J	293 J	448 J	230 J	1,000 J	7,940 J	10,400 J
Nickel	mg/kg	187	56.1	51.0	64.6 J	59.7	38.0	6.30 J	18.0	14.9	17.2 J	36.0	153	19.3 J
Potassium	mg/kg	860 J	1,120 J	1,130 J	886 J	817 J	763 J	412 J	1,930 J	899 J	1,320 J	1,430 J	835 J	1,140 J
Selenium	mg/kg	1.30	0.670	0.670	0.690	0.630	0.930	0.400	0.860	0.510	0.510	0.650	0.540	0.800
Silver	mg/kg	0.730	0.120	0.100	0.110	0.270	0.0490 B	0.0190 B	0.0390 B	0.0420 B	0.0360 B	0.0480 B	0.940	0.0680 B
Sodium	mg/kg	549 J	165 J	127 J	140 J	140 J	1,220 J	195 J	122 J	77.7 B J	86.8 B J	100 B J	311 J	412 J
Thallium	mg/kg	0.0670 B	0.0830 B	0.0860 B	0.0740 B J	0.0660 B	0.0410 B	0.0190 B	0.150	0.0940	0.110 J	0.0990	0.0720 B	0.0370 B
Vanadium	mg/kg	34.6	17.4	14.1	14.5	13.5	12.7	6.60	23.1	13.5	17.2	17.1	29.1	13.0
Zinc	mg/kg	265	143	101	98.8	67.3	21.4	8.90	29.2	52.5	34.6	41.0	161	41.3

See Notes Page 6.

Table 1
Summary of Soil Sample Analytical Results for Metals
Plant 2 Landfill
Saginaw, Michigan

Location ID:		SB10-137	SB10-138	SB10-139	SB10-140	SB10-141	SB10-142	SB10-143	SB10-144	SB10-144-DUP	SB10-145	SB10-146	SB10-147	SB10-148
nple Depth(ft bgs):		0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Date Collected:		01/20/10	01/20/10	01/21/10	01/21/10	01/22/10	01/19/10	01/19/10	01/20/10	01/20/10	01/20/10	01/21/10	01/21/10	01/19/10
Area:	Units	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area
Inorganics														
Aluminum	mg/kg	4,600 J	3,400 J	4,630 J	8,340 J	15,800 J	10,600 J	3,610 J	4,290 J	11,200 J	4,890 J	6,030 J	11,800 J	1,890 J
Antimony	mg/kg	5.90	0.330	1.20	0.630	0.210	0.160 B	3.40	6.40	0.460	2.50	5.30	0.140 B	1.00
Arsenic	mg/kg	10.3	1.50	2.80	4.40	2.50	2.60	19.1	12.3	2.30	7.50	23.0	2.80	9.10
Barium	mg/kg	116 J	39.0 J	60.5 J	87.1 J	196 J	96.5 J	48.9 J	87.4 J	103 J	48.5 J	105 J	125 J	18.6 J
Beryllium	mg/kg	0.210	0.150	0.190	0.470	1.10	0.530	0.150	0.300	0.780	0.290	0.540	0.790	0.0870
Cadmium	mg/kg	0.730	0.0660	0.220	0.190	0.250	0.220	1.60	1.20	0.340	0.0670	1.10	0.0580	0.0260 B
Calcium	mg/kg	27,400	39,900	31,100	43,900	83,900	71,100	38,900	14,100	50,900	12,800	15,200	50,900	6,510
Chromium	mg/kg	191 J	19.8 J	38.8 J	61.6 J	212 J	149 J	186 J	220 J	144 J	40.8 J	442 J	156 J	382 J
Cobalt	mg/kg	33.0	2.30	4.10	4.80	1.70	3.70	18.6	16.7	2.70	4.70	24.7	2.80	11.9
Copper	mg/kg	687 J	14.9 J	51.0 J	56.0 J	22.1 J	21.2 J	272 J	316 J	23.5 J	88.1 J	1,570 J	23.0 J	160 J
Iron	mg/kg	92,300 J	8,340 J	19,600 J	33,000 J	52,600 J	29,500 J	238,000 J	154,000 J	42,800 J	50,400 J	265,000 J	42,300 J	161,000 J
Lead	mg/kg	899 J	34.3	233 J	72.9	42.8	22.7	470	721	48.3	547	567	11.1	11.4
Magnesium	mg/kg	5,870 J	3,210 J	7,570 J	8,430 J	1,460 J	9,430 J	6,480 J	4,250 J	1,170 J	2,870 J	2,950 J	1,120 J	1,180 J
Manganese	mg/kg	2,820 J	374 J	732 J	3,430 J	19,500 J	10,200 J	3,220 J	1,660 J	12,700 J	1,530 J	5,480 J	14,200 J	1,780 J
Nickel	mg/kg	127 J	13.4	24.2 J	24.3	9.30	13.6 J	214 J	130	9.60	42.7	191	13.1	102 J
Potassium	mg/kg	617 J	472 J	739 J	1,260 J	1,410 J	1,540 J	671 J	584 J	1,070 J	533 J	730 J	954 J	223 J
Selenium	mg/kg	0.640	0.320	0.500	0.620	1.20	0.870	0.400	0.390	0.970	0.400	0.490	0.660	0.250
Silver	mg/kg	1.60	0.0200 B	0.0860 B	0.0680 B	0.0630 B	0.0470 B	0.340	1.60	0.0680 B	0.0450 B	1.30	0.0250 B	0.100
Sodium	mg/kg	128 J	50.5 B J	71.3 B J	139 J	705 J	337 J	80.6 B J	107 B J	2,100 J	74.6 B J	219 J	382 J	46.1 B J
Thallium	mg/kg	0.0700 B J	0.0500 B	0.0660 B J	0.0750 B	0.0280 B	0.0830 B	0.0750 B	0.0530 B	0.0290 B	0.0540 B	0.0530 B	0.0220 B	0.0270 B
Vanadium	mg/kg	24.4	9.40	13.6	19.6	19.7	18.6	7.00	26.2	15.3	14.8	72.3	15.4	47.4
Zinc	mg/kg	154	18.5	36.1	42.4	45.6	38.8	88.0	155	56.4	23.0	386	14.8	258

See Notes Page 6.

Table 1
Summary of Soil Sample Analytical Results for Metals
Plant 2 Landfill
Saginaw, Michigan

Location ID:		SB10-149	SB10-149-DUP	SB10-150	SB10-151	SB10-152	SB10-153	SB10-154	SB10-155	SB10-156	SB10-157	SB10-158	SB10-159	SB10-160
nple Depth(ft bgs):		0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Date Collected:		01/19/10	01/19/10	01/20/10	01/20/10	01/21/10	01/21/10	01/19/10	01/19/10	01/20/10	01/20/10	01/21/10	01/21/10	01/19/10
Area:	Units	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area
Inorganics														
Aluminum	mg/kg	3,780 J	4,100 J	8,300 J	7,980 J	5,390 J	7,660 J	16,900 J	5,490 J	10,100 J	6,020 J	7,480 J	4,490 J	15,600 J
Antimony	mg/kg	1.90	1.70	0.0840 B	0.140 B	1.60	22.1	0.150 B	23.5	0.130 B	0.370	0.880	0.250	0.130 B
Arsenic	mg/kg	12.8	16.2	1.80	3.10	11.7	4.90	1.80	8.40	4.20	5.10	7.60	2.50	1.60
Barium	mg/kg	90.9 J	105 J	45.0 J	52.8 J	84.8 J	89.8 J	167 J	61.0 J	65.8 J	113 J	130 J	41.5 J	158 J
Beryllium	mg/kg	0.120	0.110	0.360	0.410	0.310	0.530	0.860	0.210	0.480	0.310	0.440	0.290	0.840
Cadmium	mg/kg	3.50	2.70	0.0590	0.210	0.830	0.540	0.0900	1.30	0.140	0.370	1.50	0.120	0.160
Calcium	mg/kg	5,890	6,420	71,900	78,800	35,800	22,400	112,000	20,700	76,300	57,900	50,100	32,800	117,000
Chromium	mg/kg	228 J	272 J	17.4 J	31.7 J	196 J	110 J	283 J	84.7 J	22.8 J	63.2 J	152 J	56.3 J	256 J
Cobalt	mg/kg	18.8	20.8	6.10	4.00	11.9	5.40	1.40	8.50	6.90	6.30	9.30	2.20	1.30
Copper	mg/kg	458 J	477 J	10.6 J	22.8 J	275 J	190 J	21.7 J	173 J	15.7 J	72.3 J	334 J	27.7 J	13.0 J
Iron	mg/kg	132,000 J	167,000 J	11,800 J	15,900 J	137,000 J	81,200 J	50,200 J	84,800 J	16,400 J	37,700 J	93,500 J	20,100 J	27,900 J
Lead	mg/kg	116	130	5.40	20.3	125	4,180	15.7	63.9	10.1	36.5	114	22.8	19.0
Magnesium	mg/kg	2,030 J	2,520 J	20,600 J	7,500 J	7,920 J	1,470 J	1,880 J	4,100 J	18,900 J	14,500 J	7,870 J	3,960 J	1,800 J
Manganese	mg/kg	2,420 J	2,920 J	357 J	1,070 J	2,530 J	7,240 J	27,700 J	3,170 J	309 J	978 J	4,930 J	2,770 J	26,300 J
Nickel	mg/kg	120 J	129 J	14.8	14.6	73.1	45.9	9.40 J	71.8 J	20.0	33.2	72.9	15.1	5.50 J
Potassium	mg/kg	400 J	423 J	2,110 J	1,140 J	805 J	590 J	1,950 J	653 J	2,280 J	1,170 J	906 J	497 J	1,730 J
Selenium	mg/kg	0.270	0.610	0.640	0.700	0.790	0.720	1.30	0.580	0.730	0.690	0.590	0.450	1.20
Silver	mg/kg	0.600	0.670	0.0900 U	0.0510 B	0.330	0.740	0.0360 B	0.230	0.0410 B	0.0990	0.360	0.0350 B	0.0400 B
Sodium	mg/kg	105 B J	123 J	136 J	125 J	128 J	270 J	786 J	149 J	124 J	127 J	221 J	155 J	551 J
Thallium	mg/kg	0.0390 B	0.0530 B	0.110	0.0950	0.0620 B	0.0490 B	0.0210 B	0.0570 B	0.150	0.0930	0.0600 B	0.0350 B	0.0230 B
Vanadium	mg/kg	35.9	32.5	22.2	17.6	16.3	14.8	18.4	13.5	27.0	19.6	24.6	9.00	17.0
Zinc	mg/kg	166	406	22.8	45.6	100	67.8	13.8	65.7	36.3	74.2	143	73.5	24.7

See Notes Page 6.

Table 1
Summary of Soil Sample Analytical Results for Metals
Plant 2 Landfill
Saginaw, Michigan

Location ID:		SB10-161	SB10-162	SB10-163	SB10-164	SB10-165
nple Depth(ft bgs):		0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Date Collected:		01/19/10	01/20/10	01/20/10	01/21/10	01/21/10
Area:	Units	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area
Inorganics						
Aluminum	mg/kg	15,700 J	6,820 J	4,240 J	11,400 J	10,600 J
Antimony	mg/kg	0.140 B	0.200	0.170	0.0570 B	0.510
Arsenic	mg/kg	1.60	2.90	2.50	2.60	4.00
Barium	mg/kg	157 J	52.2 J	54.3 J	61.8 J	72.8 J
Beryllium	mg/kg	0.770	0.460	0.330	0.510	0.680
Cadmium	mg/kg	0.110	0.160	0.0860	0.230	0.250
Calcium	mg/kg	108,000	21,000	28,300	16,700	51,400
Chromium	mg/kg	263 J	77.4 J	57.9 J	20.4 J	89.1 J
Cobalt	mg/kg	1.10	2.60	2.40	5.10	3.30
Copper	mg/kg	14.5 J	24.1 J	22.4 J	13.8 J	35.8 J
Iron	mg/kg	33,700 J	30,500 J	23,800 J	15,200 J	35,800 J
Lead	mg/kg	17.6	19.3	9.80	11.8	33.0
Magnesium	mg/kg	2,050 J	1,800 J	3,710 J	4,410 J	4,650 J
Manganese	mg/kg	26,600 J	3,610 J	874 J	258 J	5,210 J
Nickel	mg/kg	6.90 J	15.3	15.1	15.4	19.0
Potassium	mg/kg	1,790 J	592 J	511 J	1,760 J	765 J
Selenium	mg/kg	1.20	0.670	0.590	0.830	1.10
Silver	mg/kg	0.0350 B	0.0540 B	0.0340 B	0.0340 B	0.0930 B
Sodium	mg/kg	750 J	242 J	162 J	64.2 B J	378 J
Thallium	mg/kg	0.0240 B	0.0460 B	0.0600 B	0.110	0.0710 B
Vanadium	mg/kg	18.1	9.30	4.30	21.8	11.3
Zinc	mg/kg	25.4	134	165	48.9	359

Notes:
B Indicates an estimated value between the instrument detection limit and the Reporting Limit (RL)
J Indicates an estimated value.
U The compound was analyzed for but not detected. The associated value is the compound quantitation limit

Table 2
Summary of Soil Sample Analytical Results for Volatile Organic Compounds
Plant 2 Landfill
Saginaw, Michigan

Location ID:		SB10-100	SB10-100-DUP	SB10-101	SB10-102	SB10-103	SB10-104	SB10-105	SB10-106	SB10-107	SB10-108	SB10-109	SB10-110	SB10-111	SB10-112
Sample Depth(ft BGS):		3 - 5	3 - 5	3 - 4.7	2.5 - 4.5	2.5 - 4.5	3.5 - 5.5	3.5 - 5.5	4 - 6	3.5 - 5.5	3 - 5	2.5 - 4.5	3.5 - 5.5	3.5 - 5.5	3.5 - 5.5
Date Collected:		01/19/10	01/19/10	01/19/10	01/19/10	01/19/10	01/19/10	01/19/10	01/19/10	01/20/10	01/20/10	01/21/10	01/21/10	01/22/10	01/19/10
Area:	Units	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area
Volatile Organics															
1,1,1-Trichloroethane	mg/kg	0.043 UJ	0.044 U	0.050 UJ	0.046 UJ	0.045 UJ	0.051 UJ	0.042 UJ	0.047 UJ	0.052 U	0.052 U	0.047 U	0.048 U	0.046 U	0.043 UJ
1,1,2,2-Tetrachloroethane	mg/kg	0.043 U	0.044 U	0.050 U	0.046 U	0.045 U	0.051 U	0.042 U	0.047 U	0.13 U	0.052 U	0.047 U	0.048 U	0.046 U	0.043 U
1,1,2-trichloro-1,2,2-trifluoroethane	mg/kg	0.21 U	0.22 U	0.25 U	0.23 U	0.23 U	0.26 U	0.21 U	0.24 U	0.10 U	0.26 U	0.24 U	0.24 U	0.23 U	0.22 U
1,1,2-Trichloroethane	mg/kg	0.043 U	0.044 U	0.050 U	0.046 U	0.045 U	0.051 U	0.042 U	0.047 U	0.093 U	0.052 U	0.047 U	0.048 U	0.046 U	0.043 U
1,1-Dichloroethane	mg/kg	0.043 U	0.044 U	0.050 U	0.046 U	0.045 U	0.051 U	0.042 U	0.047 U	0.052 U	0.052 U	0.018 J	0.048 U	0.046 U	0.043 U
1,1-Dichloroethene	mg/kg	0.043 UJ	0.044 U	0.050 UJ	0.046 UJ	0.045 UJ	0.051 UJ	0.042 UJ	0.047 UJ	0.052 U	0.052 U	0.047 U	0.048 U	0.046 U	0.043 UJ
1,2,4-Trichlorobenzene	mg/kg	0.21 U	0.22 U	0.25 U	0.23 U	0.23 U	0.26 U	0.018 J	0.24 U	0.26 U	0.26 U	0.24 U	0.24 U	0.23 U	0.22 U
1,2-Dibromo-3-chloropropane	mg/kg	0.21 UJ	0.22 U	0.25 UJ	0.23 UJ	0.23 UJ	0.26 UJ	0.21 UJ	0.24 UJ	0.099 UJ	0.26 UJ	0.24 UJ	0.24 UJ	0.23 U	0.22 UJ
1,2-Dibromoethane	mg/kg	0.21 UJ	0.22 U	0.25 U	0.23 U	0.23 U	0.26 U	0.21 U	0.24 U	0.26 U	0.11 U	0.24 U	0.24 U	0.23 U	0.22 U
1,2-Dichlorobenzene	mg/kg	0.085 U	0.087 U	0.10 U	0.092 U	0.091 U	0.10 U	0.084 U	0.095 U	0.096 U	0.10 U	0.094 U	0.095 U	0.093 U	0.087 U
1,2-Dichloroethane	mg/kg	0.043 U	0.044 U	0.050 U	0.046 U	0.045 U	0.051 U	0.042 U	0.047 U	0.052 U	0.086 U	0.047 U	0.048 U	0.046 U	0.043 U
1,2-Dichloropropane	mg/kg	0.043 U	0.044 U	0.050 U	0.046 U	0.045 U	0.051 U	0.042 U	0.047 U	0.097 U	0.052 U	0.047 U	0.048 U	0.046 U	0.043 U
1,3-Dichlorobenzene	mg/kg	0.085 U	0.087 U	0.10 U	0.092 U	0.091 U	0.10 U	0.084 U	0.095 U	0.10 U	0.10 U	0.094 U	0.095 U	0.093 U	0.087 U
1,4-Dichlorobenzene	mg/kg	0.085 U	0.087 U	0.10 U	0.092 U	0.091 U	0.10 U	0.084 U	0.095 U	0.10 U	0.089 U	0.094 U	0.095 U	0.093 U	0.087 U
2-Butanone	mg/kg	0.64 U	0.65 U	0.082 J	0.058 J	0.68 U	0.77 U	0.63 U	0.075 J	0.12 U	0.78 U	0.71 U	0.71 U	0.70 U	0.65 U
2-Hexanone	mg/kg	2.1 U	2.2 U	2.5 U	2.3 U	2.3 U	2.6 U	2.1 U	2.4 U	2.6 U	2.6 U	2.4 U	2.4 U	2.3 U	2.2 U
4-Methyl-2-pentanone	mg/kg	2.1 U	2.2 U	2.5 U	2.3 U	2.3 U	2.6 U	2.1 U	2.4 U	2.6 U	2.6 U	2.4 U	2.4 U	0.033 J	2.2 U
Acetone	mg/kg	0.64 U	0.65 U	0.75 U	0.69 U	0.17 J	0.77 U	0.12 J	0.71 U	0.78 U	0.78 U	0.71 U	0.71 U	0.70 U	0.65 U
Benzene	mg/kg	0.043 U	0.044 U	0.050 U	0.046 U	0.045 U	0.051 U	0.042 U	0.047 U	0.052 U	0.052 U	0.047 U	0.0097 J	0.046 U	0.012 J
Bromodichloromethane	mg/kg	0.085 UJ	0.087 U	0.10 U	0.092 U	0.091 U	0.10 U	0.084 U	0.095 U	0.10 U	0.10 U	0.094 U	0.095 U	0.093 U	0.087 U
Bromoform	mg/kg	0.085 U	0.087 U	0.10 U	0.092 U	0.091 U	0.10 U	0.084 U	0.095 U	0.10 U	0.10 U	0.094 U	0.095 U	0.093 U	0.087 U
Bromomethane	mg/kg	0.21 U	0.22 U	0.25 U	0.23 U	0.23 U	0.26 U	0.21 U	0.24 U	0.26 UJ	0.26 UJ	0.24 U	0.24 U	0.23 UJ	0.22 U
Carbon Disulfide	mg/kg	0.21 U	0.22 U	0.25 U	0.23 U	0.23 U	0.26 U	0.21 U	0.24 U	0.26 U	0.26 U	0.24 U	0.24 U	0.23 U	0.22 U
Carbon Tetrachloride	mg/kg	0.043 UJ	0.044 U	0.050 UJ	0.046 UJ	0.045 UJ	0.051 UJ	0.042 UJ	0.047 UJ	0.052 U	0.052 U	0.047 U	0.048 U	0.046 U	0.043 UJ
Chlorobenzene	mg/kg	0.043 U	0.044 U	0.050 U	0.046 U	0.045 U	0.051 U	0.042 U	0.047 U	0.052 U	0.052 U	0.047 U	0.048 U	0.046 U	0.043 U
Chloroethane	mg/kg	0.21 U	0.22 U	0.25 U	0.23 U	0.23 U	0.26 U	0.21 U	0.24 U	0.26 U	0.26 U	0.24 U	0.24 U	0.23 U	0.22 U
Chloroform	mg/kg	0.043 U	0.044 U	0.050 U	0.046 U	0.045 U	0.051 U	0.042 U	0.047 U	0.052 U	0.052 U	0.047 U	0.048 U	0.046 U	0.043 U
Chloromethane	mg/kg	0.21 U	0.22 U	0.25 U	0.23 U	0.23 U	0.26 U	0.21 U	0.24 U	0.26 U	0.26 U	0.24 U	0.24 U	0.23 U	0.22 U
cis-1,2-Dichloroethene	mg/kg	0.043 U	0.044 U	0.050 U	0.046 U	0.045 U	0.051 U	0.042 U	0.047 U	0.052 U	0.052 U	0.047 U	0.048 U	0.046 U	0.043 U
cis-1,3-Dichloropropene	mg/kg	0.043 UJ	0.044 U	0.050 UJ	0.046 UJ	0.045 UJ	0.051 UJ	0.042 UJ	0.047 UJ	0.052 U	0.096 U	0.047 U	0.048 U	0.046 U	0.043 UJ
Cyclohexane	mg/kg	1.0 U	1.0 U	1.2 U	1.1 U	1.1 U	1.2 U	1.0 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U	1.1 U	1.0 U
Dibromochloromethane	mg/kg	0.043 UJ	0.044 U	0.050 U	0.046 U	0.045 U	0.051 U	0.042 U	0.047 U	0.052 U	0.052 U	0.047 U	0.048 U	0.046 U	0.043 U
Dichlorodifluoromethane	mg/kg	0.085 U	0.087 U	0.10 U	0.092 U	0.091 U	0.10 U	0.084 U	0.095 U	0.10 UJ	0.10 UJ	0.094 UJ	0.095 UJ	0.093 UJ	0.087 U
Ethylbenzene	mg/kg	0.043 U	0.044 U	0.050 U	0.046 U	0.045 U	0.051 U	0.042 U	0.047 U	0.052 U	0.095 U	0.0083 J	0.014 J	0.015 J	0.0097 J
Isopropylbenzene	mg/kg	0.21 U	0.22 U	0.25 U	0.23 U	0.23 U	0.26 U	0.21 U	0.24 U	0.10 U	0.26 U	0.24 U	0.0065 J	0.23 U	0.0065 J
Methyl acetate	mg/kg	1.0 U	0.060 J	0.16 J	1.1 U	0.12 J	0.41 J	1.0 U	1.1 U	0.087 U	1.3 U	1.1 U	0.074 J	0.063 J	1.0 U
Methyl cyclohexane	mg/kg	0.016 J	0.072 J	1.2 U	0.0071 J	1.1 U	1.2 U	0.024 J	0.010 J	1.2 U	0.011 J	1.1 U	1.1 U	1.1 U	0.029 J
Methyl tert-butyl ether	mg/kg	0.21 U	0.22 U	0.25 U	0.23 U	0.23 U	0.26 U	0.21 U	0.24 U	0.26 U	0.26 U	0.24 U	0.24 U	0.23 U	0.22 U
Methylene Chloride	mg/kg	0.21 U	0.22 U	0.25 U	0.23 U	0.23 U	0.26 U	0.21 U	0.24 U	0.26 U	0.26 U	0.24 U	0.24 U	0.23 U	0.22 U
Styrene	mg/kg	0.043 U	0.044 U	0.050 U	0.046 U	0.045 U	0.051 U	0.042 U	0.047 U	0.052 U	0.095 U	0.047 U	0.048 U	0.046 U	0.043 U
Tetrachloroethene	mg/kg	0.033 J	0.030 J	0.050 UJ	0.046 UJ	0.045 UJ	0.051 UJ	0.042 UJ	0.047 UJ	0.052 U	0.052 U	0.047 U	0.048 U	0.046 U	0.078 J
Toluene	mg/kg	0.085 U	0.087 U	0.10 U	0.092 U	0.091 U	0.10 U	0.011 J	0.095 U	0.10 U	0.10 U	0.094 U	0.012 J	0.16	0.020 J
trans-1,2-Dichloroethene	mg/kg	0.043 UJ	0.044 U	0.050 UJ	0.046 UJ	0.045 UJ	0.051 UJ	0.042 UJ	0.047 UJ	0.052 U	0.052 U	0.047 U	0.048 U	0.046 U	0.043 UJ
trans-1,3-Dichloropropene	mg/kg	0.043 UJ	0.044 U	0.050 UJ	0.046 UJ	0.045 UJ	0.051 UJ	0.042 UJ	0.047 UJ	0.052 UJ	0.11 UJ	0.047 UJ	0.048 UJ	0.046 U	0.043 UJ
Trichloroethene	mg/kg	0.043 U	0.044 U	0.050 U	0.015 J	0.015 J	0.051 U	0.042 U	0.047 U	0.055	0.052 U	0.040 J	0.017 J	0.046 U	0.043 U
Trichlorofluoromethane	mg/kg	0.085 U	0.087 UJ	0.10 U	0.092 U	0.091 U	0.10 U	0.084 U	0.095 U	0.10 U	0.10 U	0.094 U	0.095 U	0.093 U	0.087 U
Vinyl Chloride	mg/kg	0.034 U	0.035 U	0.040 U	0.037 U	0.036 U	0.041 U	0.033 U	0.038 U	0.042 U	0.042 U	0.038 U	0.038 U	0.037 U	0.035 U
Total Xylenes	mg/kg	0.022 J	0.021 J	0.15 U	0.031 J	0.14 U	0.15 U	0.022 J	0.14 U	0.16 U	0.16 U	0.037 J	0.070 J	0.13 J	0.059 J

See Notes Page 5.

Table 2
Summary of Soil Sample Analytical Results for Volatile Organic Compounds
Plant 2 Landfill
Saginaw, Michigan

Location ID:		SB10-113	SB10-114	SB10-115	SB10-116	SB10-117	SB10-118	SB10-119	SB10-120	SB10-121	SB10-122	SB10-123	SB10-124	SB10-125	SB10-126
Sample Depth(ft BGS):		4 - 6	3 - 5	3.5 - 5.5	4 - 6	3.5 - 5.5	3.5 - 5.5	4 - 6	3 - 5	3.5 - 5.5	4 - 6	3.5 - 5.5	3.5 - 5.5	3.5 - 5.5	3 - 5
Date Collected:		01/20/10	01/20/10	01/21/10	01/21/10	01/22/10	01/19/10	01/20/10	01/20/10	01/21/10	01/21/10	01/22/10	01/19/10	01/20/10	01/20/10
Area:	Units	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area
Volatile Organics															
1,1,1-Trichloroethane	mg/kg	0.049 U	0.059 U	0.043 U	0.040 U	0.064 U	0.040 UJ	0.046 U	0.067 U	0.044 U	0.045 U	0.044 U	0.045 U	0.043 U	0.064 U
1,1,2,2-Tetrachloroethane	mg/kg	0.049 U	0.059 U	0.043 U	0.040 U	0.064 U	0.040 U	0.046 U	0.067 U	0.044 U	0.045 U	0.044 U	0.045 U	0.043 U	0.064 U
1,1,2-trichloro-1,2,2-trifluoroethane	mg/kg	0.24 U	0.30 U	0.22 U	0.20 U	0.32 U	0.20 U	0.23 U	0.33 U	0.22 U	0.23 U	0.22 U	0.23 U	0.22 U	0.32 U
1,1,2-Trichloroethane	mg/kg	0.049 U	0.059 U	0.043 U	0.040 U	0.064 U	0.040 U	0.046 U	0.067 U	0.044 U	0.045 U	0.044 U	0.045 U	0.043 U	0.064 U
1,1-Dichloroethane	mg/kg	0.049 U	0.059 U	0.043 U	0.040 U	0.064 U	0.040 U	0.046 U	0.067 U	0.044 U	0.045 U	0.044 U	0.045 U	0.043 U	0.064 U
1,1-Dichloroethene	mg/kg	0.049 U	0.059 U	0.043 U	0.040 U	0.064 U	0.040 UJ	0.046 U	0.067 U	0.044 U	0.045 U	0.044 U	0.045 U	0.043 U	0.064 UJ
1,2,4-Trichlorobenzene	mg/kg	0.24 U	0.30 U	0.22 U	0.20 U	0.32 U	0.20 U	0.23 U	0.33 U	0.22 U	0.23 U	0.22 U	0.23 U	0.12 J	0.32 UJ
1,2-Dibromo-3-chloropropane	mg/kg	0.24 UJ	0.30 UJ	0.22 UJ	0.20 UJ	0.32 U	0.20 UJ	0.23 UJ	0.33 UJ	0.22 UJ	0.23 UJ	0.22 U	0.23 UJ	0.22 UJ	0.32 UJ
1,2-Dibromoethane	mg/kg	0.24 U	0.30 U	0.22 U	0.20 U	0.32 U	0.20 U	0.23 U	0.33 U	0.22 U	0.23 U	0.22 U	0.23 U	0.22 U	0.32 UJ
1,2-Dichlorobenzene	mg/kg	0.097 U	0.12 U	0.086 U	0.080 U	0.13 U	0.079 U	0.093 U	0.13 U	0.089 U	0.090 U	0.088 U	0.090 U	0.087 U	0.13 UJ
1,2-Dichloroethane	mg/kg	0.049 U	0.059 U	0.043 U	0.040 U	0.064 U	0.040 U	0.046 U	0.067 U	0.044 U	0.045 U	0.044 U	0.045 U	0.043 U	0.064 U
1,2-Dichloropropane	mg/kg	0.049 U	0.059 U	0.043 U	0.040 U	0.064 U	0.040 U	0.046 U	0.067 U	0.044 U	0.045 U	0.044 U	0.045 U	0.043 U	0.064 U
1,3-Dichlorobenzene	mg/kg	0.097 U	0.12 U	0.086 U	0.080 U	0.13 U	0.079 U	0.093 U	0.13 U	0.089 U	0.090 U	0.088 U	0.090 U	0.017 J	0.13 UJ
1,4-Dichlorobenzene	mg/kg	0.097 U	0.12 U	0.086 U	0.080 U	0.13 U	0.079 U	0.093 U	0.13 U	0.089 U	0.090 U	0.088 U	0.090 U	0.014 J	0.13 UJ
2-Butanone	mg/kg	0.73 U	0.89 U	0.65 U	0.60 U	0.96 U	0.60 U	0.70 U	1.0 U	0.67 U	0.68 U	0.66 U	0.68 U	0.65 U	0.96 U
2-Hexanone	mg/kg	2.4 U	3.0 U	2.2 U	2.0 U	3.2 U	2.0 U	2.3 U	3.3 U	2.2 U	2.3 U	2.2 U	2.3 U	2.2 U	3.2 U
4-Methyl-2-pentanone	mg/kg	2.4 U	3.0 U	2.2 U	2.0 U	3.2 U	2.0 U	2.3 U	3.3 U	2.2 U	2.3 U	2.2 U	2.3 U	2.2 U	3.2 U
Acetone	mg/kg	0.73 U	0.89 U	0.65 U	0.60 U	0.96 U	0.60 U	0.70 U	1.0 U	0.67 U	0.68 U	0.66 U	0.68 U	0.65 U	0.96 U
Benzene	mg/kg	0.049 U	0.059 U	0.011 J	0.040 U	0.064 U	0.040 U	0.046 U	0.067 U	0.044 U	0.045 U	0.044 U	0.045 U	0.043 U	0.064 UJ
Bromodichloromethane	mg/kg	0.097 U	0.12 U	0.086 U	0.080 U	0.13 U	0.079 U	0.093 U	0.13 U	0.089 U	0.090 U	0.088 U	0.090 U	0.087 U	0.13 UJ
Bromoform	mg/kg	0.097 U	0.12 U	0.086 U	0.080 U	0.13 U	0.079 U	0.093 U	0.13 U	0.089 U	0.090 U	0.088 U	0.090 U	0.087 U	0.13 U
Bromomethane	mg/kg	0.24 UJ	0.30 UJ	0.22 U	0.20 U	0.32 UJ	0.20 U	0.23 UJ	0.33 UJ	0.22 U	0.23 U	0.22 UJ	0.23 U	0.22 UJ	0.32 UJ
Carbon Disulfide	mg/kg	0.24 U	0.30 U	0.22 U	0.20 U	0.32 U	0.20 U	0.23 U	0.33 U	0.22 U	0.23 U	0.22 U	0.23 U	0.22 U	0.32 U
Carbon Tetrachloride	mg/kg	0.049 U	0.059 U	0.043 U	0.040 U	0.064 U	0.040 UJ	0.046 U	0.067 U	0.044 U	0.045 U	0.044 U	0.045 U	0.043 U	0.064 U
Chlorobenzene	mg/kg	0.049 U	0.059 U	0.043 U	0.040 U	0.064 U	0.040 U	0.046 U	0.067 U	0.044 U	0.045 U	0.044 U	0.045 U	0.043 U	0.064 UJ
Chloroethane	mg/kg	0.24 U	0.30 U	0.22 U	0.20 U	0.32 U	0.20 U	0.23 U	0.33 U	0.22 U	0.23 U	0.22 U	0.23 U	0.22 U	0.32 U
Chloroform	mg/kg	0.049 U	0.059 U	0.043 U	0.040 U	0.064 U	0.040 U	0.046 U	0.067 U	0.044 U	0.045 U	0.044 U	0.045 U	0.043 U	0.064 U
Chloromethane	mg/kg	0.24 U	0.30 U	0.22 U	0.20 U	0.32 U	0.20 U	0.23 U	0.33 U	0.22 U	0.23 U	0.22 U	0.23 U	0.22 U	0.32 U
cis-1,2-Dichloroethene	mg/kg	0.023 J	0.22	0.043 U	0.040 U	0.064 U	0.040 U	0.046 U	0.067 U	0.044 U	0.045 U	0.044 U	0.045 U	0.040 J	0.064 U
cis-1,3-Dichloropropene	mg/kg	0.049 U	0.059 U	0.043 U	0.040 U	0.064 U	0.040 UJ	0.046 U	0.067 U	0.044 U	0.045 U	0.044 U	0.045 U	0.043 U	0.064 U
Cyclohexane	mg/kg	1.2 U	1.4 U	1.0 U	0.96 U	1.5 U	0.95 U	1.1 U	1.6 U	0.0094 J	1.1 U	1.1 U	0.018 J	1.0 U	1.5 UJ
Dibromochloromethane	mg/kg	0.049 U	0.059 U	0.043 U	0.040 U	0.064 U	0.040 U	0.046 U	0.067 U	0.044 U	0.045 U	0.044 U	0.045 U	0.043 U	0.064 UJ
Dichlorodifluoromethane	mg/kg	0.097 UJ	0.12 UJ	0.086 UJ	0.080 UJ	0.13 UJ	0.079 U	0.093 UJ	0.13 UJ	0.089 UJ	0.090 UJ	0.088 UJ	0.090 U	0.087 UJ	0.13 UJ
Ethylbenzene	mg/kg	0.049 U	0.059 U	0.020 J	0.040 U	0.064 U	0.040 U	0.046 U	0.067 U	0.012 J	0.014 J	0.044 U	0.0085 J	0.043 U	0.064 U
Isopropylbenzene	mg/kg	0.24 U	0.30 U	0.22 U	0.20 U	0.32 U	0.20 U	0.23 U	0.33 U	0.22 U	0.23 U	0.22 U	0.23 U	0.22 U	0.32 UJ
Methyl acetate	mg/kg	1.2 U	0.53 J	0.068 J	0.060 J	0.11 J	0.95 U	1.1 U	2.6	1.1 U	1.1 U	0.065 J	1.1 U	1.0 U	1.5 U
Methyl cyclohexane	mg/kg	0.016 J	1.4 U	0.013 J	0.012 J	0.13 J	0.028 J	1.1 U	0.025 J	0.030 J	0.0078 J	1.1 U	0.058 J	1.0 U	0.0094 J
Methyl tert-butyl ether	mg/kg	0.24 U	0.30 U	0.22 U	0.20 U	0.32 U	0.20 U	0.23 U	0.33 U	0.22 U	0.23 U	0.22 U	0.23 U	0.22 U	0.32 U
Methylene Chloride	mg/kg	0.24 U	0.30 U	0.22 U	0.20 U	0.32 U	0.20 U	0.23 U	0.33 U	0.22 U	0.23 U	0.22 U	0.23 U	0.22 U	0.32 U
Styrene	mg/kg	0.049 U	0.059 U	0.043 U	0.040 U	0.064 U	0.040 U	0.046 U	0.067 U	0.044 U	0.045 U	0.044 U	0.045 U	0.043 U	0.064 U
Tetrachloroethene	mg/kg	0.049 U	0.059 U	0.015 J	0.040 U	0.020 J	0.065 J	0.046 U	0.067 U	0.044 U	0.045 U	0.044 U	0.045 U	0.043 U	0.064 U
Toluene	mg/kg	0.097 U	0.12 U	0.014 J	0.0093 J	0.017 J	0.010 J	0.093 U	0.13 U	0.078 J	0.090 U	0.088 U	0.018 J	0.087 U	0.13 UJ
trans-1,2-Dichloroethene	mg/kg	0.049 U	0.059 U	0.043 U	0.040 U	0.064 U	0.040 UJ	0.046 U	0.067 U	0.044 U	0.045 U	0.044 U	0.045 U	0.043 U	0.064 U
trans-1,3-Dichloropropene	mg/kg	0.049 UJ	0.059 UJ	0.043 UJ	0.040 UJ	0.064 U	0.040 UJ	0.046 UJ	0.067 UJ	0.044 UJ	0.045 UJ	0.044 U	0.045 U	0.043 UJ	0.064 UJ
Trichloroethene	mg/kg	0.61	3.1	0.057	0.040 U	0.064 U	0.040 U	0.029 J	0.067 U	0.040 J	0.021 J	0.14	0.045 U	0.95	0.064 U
Trichlorofluoromethane	mg/kg	0.097 U	0.12 U	0.086 U	0.080 U	0.13 U	0.079 U	0.093 U	0.13 U	0.089 U	0.090 U	0.088 U	0.090 U	0.087 U	0.13 UJ
Vinyl Chloride	mg/kg	0.039 U	0.047 U	0.035 U	0.032 U	0.051 U	0.032 U	0.037 U	0.053 U	0.035 U	0.036 U	0.035 U	0.036 U	0.035 U	0.051 U
Total Xylenes	mg/kg	0.020 J	0.18 U	0.15	0.027 J	0.037 J	0.026 J	0.14 U	0.20 U	0.10 J	0.099 J	0.13 U	0.058 J	0.13 U	0.19 U

See Notes Page 5.

Table 2
Summary of Soil Sample Analytical Results for Volatile Organic Compounds
Plant 2 Landfill
Saginaw, Michigan

Location ID:		SB10-126-DUP	SB10-127	SB10-128	SB10-129	SB10-130	SB10-131	SB10-132	SB10-133	SB10-133-DUP	SB10-134	SB10-135	SB10-136	SB10-137	SB10-138
Sample Depth(ft BGS):		3 - 5	3.5 - 5.5	4 - 6	4 - 6	3.5 - 5.5	3.5 - 5.5	3 - 5	3.5 - 5.5	3.5 - 5.5	3.5 - 5.5	4.5 - 6.5	3.5 - 5.5	3.5 - 5.5	4 - 6
Date Collected:		01/20/10	01/21/10	01/21/10	01/22/10	01/19/10	01/20/10	01/20/10	01/21/10	01/21/10	01/21/10	01/22/10	01/19/10	01/20/10	01/20/10
Area:	Units	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area
Volatile Organics															
1,1,1-Trichloroethane	mg/kg	0.047 U	0.047 U	0.041 U	0.044 U	0.044 U	0.048 U	0.049 U	0.051 U	0.051 U	0.072 U	0.041 U	0.042 U	0.051 U	0.046 U
1,1,2,2-Tetrachloroethane	mg/kg	0.047 U	0.047 U	0.041 U	0.044 U	0.044 U	0.048 U	0.049 U	0.051 U	0.051 U	0.072 U	0.041 U	0.042 U	0.051 U	0.046 U
1,1,2-trichloro-1,2,2-trifluoroethane	mg/kg	0.24 U	0.23 U	0.20 U	0.22 U	0.22 U	0.24 U	0.25 U	0.26 U	0.26 U	0.36 U	0.21 U	0.21 U	0.26 U	0.23 U
1,1,2-Trichloroethane	mg/kg	0.047 U	0.047 U	0.041 U	0.044 U	0.044 U	0.048 U	0.049 U	0.051 U	0.051 U	0.072 U	0.041 U	0.042 U	0.051 U	0.046 U
1,1-Dichloroethane	mg/kg	0.047 U	0.047 U	0.041 U	0.044 U	0.044 U	0.048 U	0.049 U	0.051 U	0.051 U	0.072 U	0.041 U	0.042 U	0.051 U	0.046 U
1,1-Dichloroethene	mg/kg	0.047 U	0.047 U	0.041 U	0.044 U	0.044 U	0.048 U	0.049 U	0.051 U	0.051 U	0.072 U	0.041 U	0.042 U	0.051 U	0.046 U
1,2,4-Trichlorobenzene	mg/kg	0.24 U	0.23 U	0.20 U	0.22 U	0.22 U	0.24 U	0.020 J	0.26 U	0.26 U	0.36 U	0.21 U	0.21 U	0.26 U	0.23 U
1,2-Dibromo-3-chloropropane	mg/kg	0.24 U	0.23 UJ	0.20 UJ	0.22 U	0.22 UJ	0.24 UJ	0.25 UJ	0.26 UJ	0.26 U	0.36 UJ	0.21 U	0.21 UJ	0.26 UJ	0.23 UJ
1,2-Dibromoethane	mg/kg	0.24 U	0.23 U	0.20 U	0.22 U	0.22 U	0.24 U	0.25 U	0.26 U	0.26 U	0.36 U	0.21 U	0.21 U	0.26 U	0.23 U
1,2-Dichlorobenzene	mg/kg	0.094 U	0.093 U	0.081 U	0.088 U	0.088 U	0.096 U	0.099 U	0.10 U	0.10 U	0.14 U	0.083 U	0.083 U	0.10 U	0.092 U
1,2-Dichloroethane	mg/kg	0.047 U	0.047 U	0.041 U	0.044 U	0.044 U	0.048 U	0.049 U	0.051 U	0.051 U	0.072 U	0.041 U	0.042 U	0.051 U	0.046 U
1,2-Dichloropropane	mg/kg	0.047 U	0.047 U	0.041 U	0.044 U	0.044 U	0.048 U	0.049 U	0.051 U	0.051 U	0.072 U	0.041 U	0.042 U	0.051 U	0.046 U
1,3-Dichlorobenzene	mg/kg	0.094 U	0.093 U	0.081 U	0.088 U	0.088 U	0.096 U	0.099 U	0.0093 J	0.10 U	0.14 U	0.083 U	0.083 U	0.10 U	0.092 U
1,4-Dichlorobenzene	mg/kg	0.094 U	0.093 U	0.081 U	0.088 U	0.088 U	0.096 U	0.099 U	0.10 U	0.10 U	0.14 U	0.083 U	0.083 U	0.10 U	0.092 U
2-Butanone	mg/kg	0.71 U	0.70 U	0.61 U	0.66 U	0.66 U	0.72 U	0.74 U	0.77 U	0.77 U	1.1 U	0.62 U	0.62 U	0.77 U	0.69 U
2-Hexanone	mg/kg	2.4 U	2.3 U	2.0 U	2.2 U	2.2 U	2.4 U	2.5 U	2.6 U	2.6 U	3.6 U	2.1 U	2.1 U	2.6 U	2.3 U
4-Methyl-2-pentanone	mg/kg	2.4 U	2.3 U	2.0 U	2.2 U	2.2 U	2.4 U	2.5 U	2.6 U	2.6 U	3.6 U	2.1 U	2.1 U	2.6 U	2.3 U
Acetone	mg/kg	0.71 U	0.70 U	0.61 U	0.66 U	0.66 U	0.72 U	0.74 U	0.77 U	0.77 U	1.1 U	0.62 U	0.62 U	0.77 U	0.69 U
Benzene	mg/kg	0.047 U	0.047 U	0.041 U	0.044 U	0.044 U	0.048 U	0.0087 J	0.041 J	0.040 J	0.072 U	0.041 U	0.013 J	0.051 U	0.010 J
Bromodichloromethane	mg/kg	0.094 UJ	0.093 U	0.081 U	0.088 U	0.088 U	0.096 U	0.099 U	0.10 U	0.10 U	0.14 U	0.083 U	0.083 U	0.10 U	0.092 U
Bromoform	mg/kg	0.094 U	0.093 U	0.081 U	0.088 U	0.088 U	0.096 U	0.099 U	0.10 U	0.10 U	0.14 U	0.083 U	0.083 U	0.10 U	0.092 U
Bromomethane	mg/kg	0.24 UJ	0.23 U	0.20 U	0.22 UJ	0.22 U	0.24 UJ	0.25 UJ	0.26 U	0.26 UJ	0.36 U	0.21 UJ	0.21 U	0.26 UJ	0.23 UJ
Carbon Disulfide	mg/kg	0.24 U	0.032 J	0.20 U	0.22 U	0.22 U	0.24 U	0.25 U	0.26 U	0.26 U	0.36 U	0.21 U	0.21 U	0.26 U	0.23 U
Carbon Tetrachloride	mg/kg	0.047 U	0.047 U	0.041 U	0.044 U	0.044 U	0.048 U	0.049 U	0.051 U	0.051 U	0.072 U	0.041 U	0.042 U	0.051 U	0.046 U
Chlorobenzene	mg/kg	0.047 U	0.047 U	0.041 U	0.044 U	0.044 U	0.048 U	0.049 U	0.0094 J	0.051 U	0.072 U	0.041 U	0.042 U	0.051 U	0.046 U
Chloroethane	mg/kg	0.24 U	0.23 U	0.20 U	0.22 U	0.22 U	0.24 U	0.25 U	0.26 U	0.26 U	0.36 U	0.21 U	0.21 U	0.26 U	0.23 U
Chloroform	mg/kg	0.047 U	0.047 U	0.041 U	0.044 U	0.044 U	0.048 U	0.049 U	0.051 U	0.051 U	0.072 U	0.041 U	0.042 U	0.051 U	0.046 U
Chloromethane	mg/kg	0.24 U	0.23 U	0.20 U	0.22 U	0.22 U	0.24 U	0.25 U	0.26 U	0.26 U	0.36 U	0.21 U	0.21 U	0.26 U	0.23 U
cis-1,2-Dichloroethene	mg/kg	0.047 U	0.047 U	0.041 U	0.044 U	0.044 U	0.027 J	0.074	0.10	0.11	0.072 U	0.041 U	0.042 U	0.029 J	0.018 J
cis-1,3-Dichloropropene	mg/kg	0.047 UJ	0.047 U	0.041 U	0.044 U	0.044 U	0.048 U	0.049 U	0.051 U	0.051 U	0.072 U	0.041 U	0.042 U	0.051 U	0.046 U
Cyclohexane	mg/kg	1.1 U	0.0092 J	0.97 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.7 U	0.069 J	0.011 J	1.2 U	0.0089 J
Dibromochloromethane	mg/kg	0.047 U	0.047 U	0.041 U	0.044 U	0.044 U	0.048 U	0.049 U	0.051 UJ	0.051 U	0.072 U	0.041 U	0.042 U	0.051 U	0.046 U
Dichlorodifluoromethane	mg/kg	0.094 UJ	0.093 UJ	0.081 UJ	0.088 UJ	0.088 U	0.096 UJ	0.099 UJ	0.10 UJ	0.10 UJ	0.14 UJ	0.083 UJ	0.083 U	0.10 UJ	0.092 UJ
Ethylbenzene	mg/kg	0.047 U	0.047 U	0.041 U	0.044 U	0.044 U	0.048 U	0.049 U	0.018 J	0.010 J	0.072 U	0.0080 J	0.042 U	0.051 U	0.046 U
Isopropylbenzene	mg/kg	0.24 U	0.23 U	0.20 U	0.22 U	0.22 U	0.24 U	0.25 U	0.012 J	0.0086 J	0.36 U	0.0062 J	0.0053 J	0.26 U	0.0070 J
Methyl acetate	mg/kg	1.1 U	0.12 J	0.43 J	0.062 J	1.1 U	0.51 J	1.2 U	0.13 J	0.11 J	0.13 J	0.068 J	1.0 U	1.2 U	1.1 U
Methyl cyclohexane	mg/kg	0.071 J	0.016 J	0.0066 J	0.072 J	0.0099 J	1.2 U	0.0070 J	0.012 J	1.2 U	1.7 U	0.081 J	0.039 J	1.2 U	0.011 J
Methyl tert-butyl ether	mg/kg	0.24 U	0.23 U	0.20 U	0.22 U	0.22 U	0.24 U	0.25 U	0.26 U	0.26 U	0.36 U	0.21 U	0.21 U	0.26 U	0.23 U
Methylene Chloride	mg/kg	0.24 U	0.23 U	0.20 U	0.22 U	0.22 U	0.24 U	0.25 U	0.26 U	0.26 U	0.36 U	0.21 U	0.21 U	0.26 U	0.23 U
Styrene	mg/kg	0.047 U	0.047 U	0.041 U	0.044 U	0.044 U	0.048 U	0.049 U	0.051 U	0.051 U	0.072 U	0.041 U	0.042 U	0.051 U	0.046 U
Tetrachloroethene	mg/kg	0.047 UJ	0.047 U	0.041 U	0.023 J	0.044 U	0.048 U	0.049 U	0.051 U	0.051 U	0.072 U	0.014 J	0.010 J	0.051 U	0.046 U
Toluene	mg/kg	0.014 J	0.093 U	0.081 U	0.088 U	0.088 U	0.096 U	0.099 U	0.014 J	0.012 J	0.029 J	0.010 J	0.021 J	0.10 U	0.092 U
trans-1,2-Dichloroethene	mg/kg	0.047 U	0.047 U	0.041 U	0.044 U	0.044 U	0.048 U	0.049 U	0.094	0.092	0.072 U	0.041 U	0.042 U	0.051 U	0.016 J
trans-1,3-Dichloropropene	mg/kg	0.047 UJ	0.047 UJ	0.041 UJ	0.044 U	0.044 U	0.048 UJ	0.049 UJ	0.051 UJ	0.051 U	0.072 UJ	0.041 U	0.042 U	0.051 UJ	0.046 UJ
Trichloroethene	mg/kg	0.016 J	0.029 J	0.056	0.044 U	0.044 U	1.5	0.049 U	0.37 J	0.39	0.046 J	0.19	0.042 U	0.89	0.14
Trichlorofluoromethane	mg/kg	0.094 U	0.093 U	0.081 U	0.088 U	0.088 U	0.096 U	0.099 U	0.10 U	0.10 U	0.14 U	0.083 U	0.083 U	0.10 U	0.092 U
Vinyl Chloride	mg/kg	0.038 U	0.037 U	0.032 U	0.035 U	0.035 U	0.038 U	0.040 U	0.041 U	0.041 U	0.058 U	0.033 U	0.033 U	0.041 U	0.037 U
Total Xylenes	mg/kg	0.14 U	0.14 U	0.12 U	0.021 J	0.027 J	0.14 U	0.15 U	0.033 J	0.15 U	0.033 J	0.031 J	0.055 J	0.15 U	0.030 J

See Notes Page 5.

Table 2
Summary of Soil Sample Analytical Results for Volatile Organic Compounds
Plant 2 Landfill
Saginaw, Michigan

Location ID:		SB10-139	SB10-140	SB10-141	SB10-141-DUP	SB10-142	SB10-143	SB10-144	SB10-145	SB10-146	SB10-147	SB10-148	SB10-149	SB10-150	SB10-151
Sample Depth(ft BGS):		3.5 - 5.5	3.5 - 5.5	4.5 - 6.5	4.5 - 6.5	3.5 - 5.5	3.5 - 5.5	4 - 6	4 - 6	3.5 - 5.5	3.5 - 5.5	3.5 - 5.5	3.5 - 5.5	4.5 - 6.5	4 - 6
Date Collected:		01/21/10	01/21/10	01/22/10	01/22/10	01/19/10	01/19/10	01/20/10	01/20/10	01/21/10	01/21/10	01/19/10	01/19/10	01/20/10	01/20/10
Area:	Units	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area
Volatile Organics															
1,1,1-Trichloroethane	mg/kg	0.048 U	0.057 U	0.040 U	0.042 U	0.047 U	0.045 UJ	0.048 U	0.047 U	0.051 U	0.043 U	0.044 U	0.047 U	0.048 U	0.048 U
1,1,2,2-Tetrachloroethane	mg/kg	0.048 U	0.057 U	0.040 U	0.042 U	0.047 U	0.045 U	0.048 U	0.047 U	0.051 U	0.043 U	0.044 U	0.047 U	0.048 U	0.048 U
1,1,2-trichloro-1,2,2-trifluoroethane	mg/kg	0.24 U	0.28 U	0.20 U	0.21 U	0.24 U	0.23 U	0.24 U	0.23 U	0.25 U	0.22 U	0.22 U	0.24 U	0.24 U	0.24 U
1,1,2-Trichloroethane	mg/kg	0.048 U	0.057 U	0.040 U	0.042 U	0.047 U	0.045 U	0.048 U	0.047 U	0.051 U	0.043 U	0.044 U	0.047 U	0.048 U	0.048 U
1,1-Dichloroethane	mg/kg	0.048 U	0.020 J	0.040 U	0.042 U	0.047 U	0.045 U	0.048 U	0.047 U	0.051 U	0.043 U	0.044 U	0.047 U	0.048 U	0.048 U
1,1-Dichloroethene	mg/kg	0.048 U	0.057 U	0.040 U	0.042 U	0.047 U	0.045 U	0.048 U	0.047 U	0.051 U	0.043 U	0.044 U	0.047 U	0.048 U	0.048 U
1,2,4-Trichlorobenzene	mg/kg	0.24 U	0.28 U	0.16 J	0.21 U	0.24 U	0.23 U	0.018 J	0.23 U	0.25 U	0.22 U	0.22 U	0.24 U	0.24 U	0.24 U
1,2-Dibromo-3-chloropropane	mg/kg	0.24 UJ	0.28 UJ	0.20 U	0.21 U	0.24 UJ	0.23 UJ	0.24 UJ	0.23 U	0.25 UJ	0.22 U	0.22 UJ	0.24 UJ	0.24 UJ	0.24 UJ
1,2-Dibromoethane	mg/kg	0.24 U	0.28 U	0.20 U	0.21 U	0.24 U	0.23 U	0.24 U	0.23 U	0.25 U	0.22 U	0.22 U	0.24 U	0.24 U	0.24 U
1,2-Dichlorobenzene	mg/kg	0.095 U	0.11 U	0.081 U	0.084 U	0.094 U	0.091 U	0.095 U	0.093 U	0.10 U	0.086 U	0.087 U	0.094 U	0.095 U	0.096 U
1,2-Dichloroethane	mg/kg	0.048 U	0.057 U	0.040 U	0.042 U	0.047 U	0.045 U	0.048 U	0.047 U	0.051 U	0.043 U	0.044 U	0.047 U	0.048 U	0.048 U
1,2-Dichloropropane	mg/kg	0.048 U	0.057 U	0.040 U	0.042 U	0.047 U	0.045 U	0.048 U	0.047 U	0.051 U	0.043 U	0.044 U	0.047 U	0.048 U	0.048 U
1,3-Dichlorobenzene	mg/kg	0.018 J	0.11 U	0.081 U	0.084 U	0.094 U	0.091 U	0.012 J	0.093 U	0.10 U	0.086 U	0.087 U	0.094 U	0.095 U	0.096 U
1,4-Dichlorobenzene	mg/kg	0.095 U	0.11 U	0.081 U	0.084 U	0.094 U	0.091 U	0.095 U	0.093 U	0.10 U	0.086 U	0.087 U	0.094 U	0.095 U	0.096 U
2-Butanone	mg/kg	0.71 U	0.85 U	0.61 U	0.63 U	0.71 U	0.68 U	0.71 U	0.70 U	0.76 U	0.65 U	0.65 U	0.71 U	0.71 U	0.72 U
2-Hexanone	mg/kg	2.4 U	2.8 U	2.0 U	2.1 U	2.4 U	2.3 U	2.4 U	2.3 U	2.5 U	2.2 U	2.2 U	2.4 U	2.4 U	2.4 U
4-Methyl-2-pentanone	mg/kg	2.4 U	2.8 U	2.0 U	2.1 U	2.4 U	2.3 U	2.4 U	2.3 U	2.5 U	2.2 U	2.2 U	2.4 U	2.4 U	2.4 U
Acetone	mg/kg	0.71 U	0.85 U	0.61 U	0.63 U	0.71 U	0.68 U	0.71 U	0.70 U	0.76 U	0.65 U	0.65 U	0.71 U	0.71 U	0.72 U
Benzene	mg/kg	0.076	0.057 U	0.040 U	0.042 U	0.047 U	0.045 U	0.048 U	0.019 J	0.051 U	0.0071 J	0.0081 J	0.047 U	0.048 U	0.048 U
Bromodichloromethane	mg/kg	0.095 U	0.11 U	0.081 U	0.084 U	0.094 U	0.091 U	0.095 U	0.093 UJ	0.10 U	0.086 U	0.087 U	0.094 U	0.095 U	0.096 U
Bromoform	mg/kg	0.095 U	0.11 U	0.081 U	0.084 U	0.094 U	0.091 UJ	0.095 U	0.093 U	0.10 U	0.086 U	0.087 U	0.094 U	0.095 U	0.096 U
Bromomethane	mg/kg	0.24 U	0.28 U	0.20 UJ	0.21 UJ	0.24 U	0.23 U	0.24 UJ	0.23 UJ	0.25 U	0.22 UJ	0.22 U	0.24 U	0.24 UJ	0.24 UJ
Carbon Disulfide	mg/kg	0.24 U	0.28 U	0.20 U	0.21 U	0.24 U	0.23 U	0.24 U	0.23 U	0.25 U	0.22 U	0.22 U	0.24 U	0.24 U	0.24 U
Carbon Tetrachloride	mg/kg	0.048 U	0.057 U	0.040 U	0.042 U	0.047 U	0.045 UJ	0.048 U	0.047 U	0.051 U	0.043 U	0.044 U	0.047 U	0.048 U	0.048 U
Chlorobenzene	mg/kg	0.012 J	0.057 U	0.040 U	0.042 U	0.047 U	0.045 U	0.048 U	0.047 U	0.051 U	0.043 U	0.044 U	0.047 U	0.048 U	0.048 U
Chloroethane	mg/kg	0.24 U	0.28 U	0.20 U	0.21 U	0.24 U	0.23 U	0.24 U	0.23 U	0.25 U	0.22 U	0.22 U	0.24 U	0.24 U	0.24 U
Chloroform	mg/kg	0.048 U	0.057 U	0.040 U	0.042 U	0.047 U	0.045 U	0.048 U	0.047 U	0.051 U	0.043 U	0.044 U	0.047 U	0.048 U	0.048 U
Chloromethane	mg/kg	0.24 U	0.28 U	0.20 U	0.21 U	0.24 U	0.23 U	0.24 U	0.23 U	0.25 U	0.22 U	0.22 U	0.24 U	0.24 U	0.24 U
cis-1,2-Dichloroethene	mg/kg	4.1	0.69	0.040 U	0.042 U	0.047 U	0.045 U	0.048 U	0.15	0.37	0.043 U	0.044 U	0.047 U	0.048 U	0.048 U
cis-1,3-Dichloropropene	mg/kg	0.048 U	0.057 U	0.040 U	0.042 U	0.047 U	0.045 UJ	0.048 U	0.047 UJ	0.051 U	0.043 U	0.044 U	0.047 U	0.048 U	0.048 U
Cyclohexane	mg/kg	0.018 J	1.4 U	0.97 U	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	0.071 J	1.0 U	1.1 U	1.1 U	1.2 U
Dibromochloromethane	mg/kg	0.048 U	0.057 U	0.040 U	0.042 U	0.047 U	0.045 U	0.048 U	0.047 U	0.051 U	0.043 U	0.044 U	0.047 U	0.048 U	0.048 U
Dichlorodifluoromethane	mg/kg	0.095 UJ	0.11 UJ	0.081 UJ	0.084 UJ	0.094 U	0.091 U	0.095 UJ	0.093 UJ	0.10 UJ	0.086 UJ	0.087 U	0.094 U	0.095 UJ	0.096 UJ
Ethylbenzene	mg/kg	0.34	0.057 U	0.040 U	0.042 U	0.047 U	0.045 U	0.048 U	0.048	0.051 U	0.014 J	0.011 J	0.047 U	0.048 U	0.048 U
Isopropylbenzene	mg/kg	0.14 J	0.28 U	0.20 U	0.21 U	0.24 U	0.23 U	0.0098 J	0.081 J	0.25 U	0.0067 J	0.22 U	0.24 U	0.24 U	0.24 U
Methyl acetate	mg/kg	0.10 J	0.12 J	0.057 J	0.068 J	1.1 U	0.69 J	1.1 U	1.1 U	1.2 U	1.0 U	1.0 U	1.1 U	1.1 U	1.2 U
Methyl cyclohexane	mg/kg	0.056 J	1.4 U	0.069 J	0.067 J	1.1 U	1.1 U	1.1 U	0.088 J	1.2 U	0.096 J	0.018 J	1.1 U	0.0096 J	0.0077 J
Methyl tert-butyl ether	mg/kg	0.24 U	0.28 U	0.20 U	0.21 U	0.24 U	0.23 U	0.24 U	0.23 U	0.25 U	0.22 U	0.22 U	0.24 U	0.24 U	0.24 U
Methylene Chloride	mg/kg	0.24 U	0.28 U	0.20 U	0.21 U	0.24 U	0.23 U	0.24 U	0.23 U	0.25 U	0.22 U	0.22 U	0.24 U	0.24 U	0.24 U
Styrene	mg/kg	0.048 U	0.057 U	0.040 U	0.042 U	0.047 U	0.045 U	0.048 U	0.047 U	0.051 U	0.043 U	0.044 U	0.047 U	0.048 U	0.048 U
Tetrachloroethene	mg/kg	0.048 U	0.057 U	0.040 U	0.042 U	0.047 U	0.045 U	0.048 U	0.047 UJ	0.051 U	0.043 U	0.044 U	0.047 U	0.048 U	0.048 U
Toluene	mg/kg	0.54	0.11 U	0.011 J	0.011 J	0.094 U	0.091 U	0.095 U	0.025 J	0.10 U	0.022 J	0.018 J	0.094 U	0.095 U	0.096 U
trans-1,2-Dichloroethene	mg/kg	0.45	0.057 U	0.040 U	0.042 U	0.047 U	0.045 U	0.048 U	0.047 U	0.051 U	0.043 U	0.044 U	0.047 U	0.048 U	0.048 U
trans-1,3-Dichloropropene	mg/kg	0.048 UJ	0.057 UJ	0.040 U	0.042 U	0.047 U	0.045 UJ	0.048 UJ	0.047 UJ	0.051 UJ	0.043 U	0.044 U	0.047 U	0.048 UJ	0.048 UJ
Trichloroethene	mg/kg	1.1	1.1	0.23	0.19	0.047 U	0.065	0.048 U	0.51	1.9	0.043 U	0.044 U	0.047 U	0.048 U	0.052
Trichlorofluoromethane	mg/kg	0.095 U	0.11 U	0.081 U	0.084 U	0.094 U	0.091 U	0.095 U	0.093 U	0.10 U	0.086 U	0.087 U	0.094 U	0.095 U	0.096 U
Vinyl Chloride	mg/kg	0.21	0.045 U	0.032 U	0.033 U	0.038 U	0.036 U	0.038 U	0.037 U	0.041 U	0.034 U	0.035 U	0.038 U	0.038 U	0.039 U
Total Xylenes	mg/kg	0.71	0.17 U	0.022 J	0.017 J	0.026 J	0.14 U	0.14 U	0.22	0.15 U	0.062 J	0.049 J	0.14 U	0.14 U	0.023 J

See Notes Page 5.

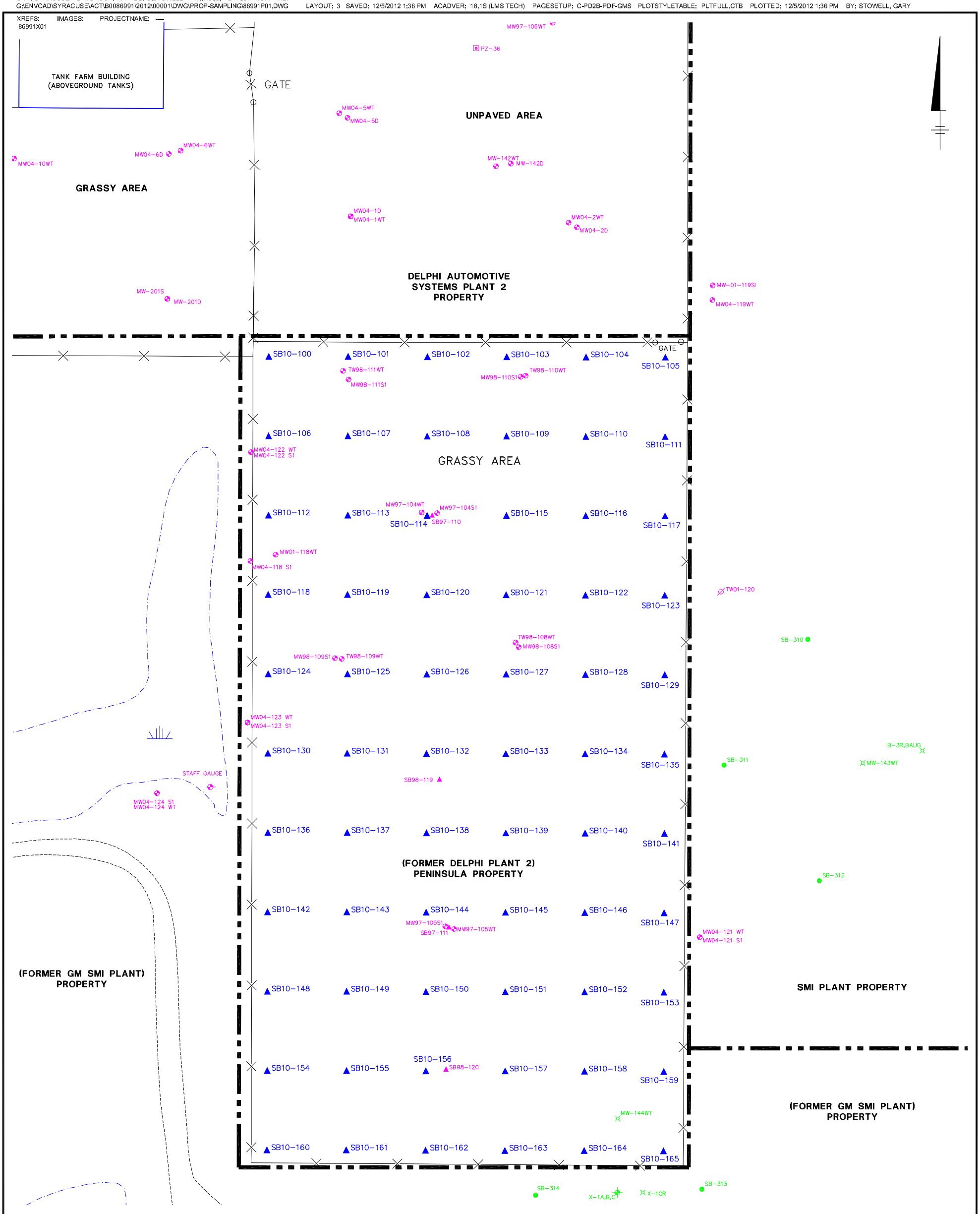
Table 2
Summary of Soil Sample Analytical Results for Volatile Organic Compounds
Plant 2 Landfill
Saginaw, Michigan

Location ID:		SB10-152	SB10-153	SB10-154	SB10-155	SB10-156	SB10-157	SB10-158	SB10-159	SB10-160	SB10-161	SB10-162	SB10-163	SB10-164	SB10-165
Sample Depth(ft BGS):		4 - 6	4.5 - 6.5	3.5 - 5.5	4 - 6	5 - 7	3.5 - 5.5	3.5 - 5.5	3.5 - 5.5	4 - 6	4 - 6	5 - 7	5 - 7	4.5 - 6.5	4.5 - 6.5
Date Collected:		01/21/10	01/21/10	01/19/10	01/19/10	01/20/10	01/20/10	01/21/10	01/21/10	01/19/10	01/19/10	01/20/10	01/20/10	01/21/10	01/21/10
Area:	Units	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area	Peninsula Area
Volatile Organics															
1,1,1-Trichloroethane	mg/kg	0.046 U	0.045 U	0.046 U	0.050 U	0.055 U	0.044 U	0.046 U	0.040 U	0.044 U	0.046 U	0.056 U	0.043 U	0.048 U	0.054 U
1,1,2,2-Tetrachloroethane	mg/kg	0.046 U	0.045 U	0.046 U	0.050 U	0.055 U	0.044 U	0.046 U	0.040 U	0.044 U	0.046 U	0.056 U	0.043 U	0.048 U	0.054 U
1,1,2-trichloro-1,2,2-trifluoroethane	mg/kg	0.23 U	0.23 U	0.23 U	0.25 U	0.27 U	0.22 U	0.23 U	0.20 U	0.22 U	0.23 U	0.28 U	0.22 U	0.24 U	0.27 U
1,1,2-Trichloroethane	mg/kg	0.046 U	0.045 U	0.046 U	0.050 U	0.055 U	0.044 U	0.046 U	0.040 U	0.044 U	0.046 U	0.056 U	0.043 U	0.048 U	0.054 U
1,1-Dichloroethane	mg/kg	0.046 U	0.045 U	0.046 U	0.050 U	0.055 U	0.044 U	0.046 U	0.040 U	0.044 U	0.046 U	0.056 U	0.043 U	0.048 U	0.030 J
1,1-Dichloroethene	mg/kg	0.046 U	0.045 U	0.046 U	0.012 J	0.055 U	0.044 U	0.046 U	0.040 U	0.044 U	0.046 U	0.056 U	0.043 U	0.048 U	0.054 U
1,2,4-Trichlorobenzene	mg/kg	0.23 U	0.23 U	0.23 U	0.25 U	0.27 U	0.22 U	0.23 U	0.20 U	0.22 U	0.23 U	0.28 U	0.22 U	0.24 U	0.27 U
1,2-Dibromo-3-chloropropane	mg/kg	0.23 UJ	0.23 U	0.23 UJ	0.25 UJ	0.27 UJ	0.22 UJ	0.23 UJ	0.20 U	0.22 UJ	0.23 UJ	0.28 UJ	0.22 UJ	0.24 U	0.27 U
1,2-Dibromoethane	mg/kg	0.23 U	0.23 U	0.23 U	0.25 U	0.27 U	0.22 U	0.23 U	0.20 U	0.22 U	0.23 U	0.28 U	0.22 U	0.24 U	0.27 U
1,2-Dichlorobenzene	mg/kg	0.092 U	0.090 U	0.093 U	0.10 U	0.11 U	0.089 U	0.093 U	0.081 U	0.087 U	0.093 U	0.11 U	0.086 U	0.096 U	0.11 U
1,2-Dichloroethane	mg/kg	0.046 U	0.045 U	0.046 U	0.050 U	0.055 U	0.044 U	0.046 U	0.040 U	0.044 U	0.046 U	0.056 U	0.043 U	0.048 U	0.054 U
1,2-Dichloropropane	mg/kg	0.046 U	0.045 U	0.046 U	0.050 U	0.055 U	0.044 U	0.046 U	0.040 U	0.044 U	0.046 U	0.056 U	0.043 U	0.048 U	0.054 U
1,3-Dichlorobenzene	mg/kg	0.092 U	0.090 U	0.093 U	0.10 U	0.11 U	0.089 U	0.093 U	0.081 U	0.087 U	0.093 U	0.11 U	0.086 U	0.096 U	0.11 U
1,4-Dichlorobenzene	mg/kg	0.092 U	0.090 U	0.093 U	0.10 U	0.11 U	0.089 U	0.093 U	0.081 U	0.087 U	0.093 U	0.11 U	0.086 U	0.013 J	0.11 U
2-Butanone	mg/kg	0.69 U	0.68 U	0.068 J	0.75 U	0.82 U	0.67 U	0.70 U	0.61 U	0.65 U	0.70 U	0.84 U	0.65 U	0.72 U	0.81 U
2-Hexanone	mg/kg	2.3 U	2.3 U	2.3 U	2.5 U	2.7 U	2.2 U	2.3 U	2.0 U	2.2 U	2.3 U	2.8 U	2.2 U	2.4 U	2.7 U
4-Methyl-2-pentanone	mg/kg	2.3 U	2.3 U	2.3 U	2.5 U	2.7 U	2.2 U	2.3 U	2.0 U	2.2 U	2.3 U	2.8 U	2.2 U	2.4 U	2.7 U
Acetone	mg/kg	0.69 U	0.68 U	0.70 U	0.75 U	0.82 U	0.67 U	0.70 U	0.61 U	0.65 U	0.70 U	0.84 U	0.65 U	0.72 U	0.81 U
Benzene	mg/kg	0.046 U	0.045 U	0.046 U	0.0095 J	0.017 J	0.0098 J	0.046 U	0.029 J	0.027 J	0.046 U	0.045 J	0.032 J	0.021 J	0.15
Bromodichloromethane	mg/kg	0.092 U	0.090 U	0.093 U	0.10 U	0.11 U	0.089 U	0.093 U	0.081 U	0.087 U	0.093 U	0.11 U	0.086 U	0.096 U	0.11 U
Bromoform	mg/kg	0.092 U	0.090 U	0.093 U	0.10 U	0.11 U	0.089 U	0.093 U	0.081 U	0.087 U	0.093 U	0.11 U	0.086 U	0.096 U	0.11 U
Bromomethane	mg/kg	0.23 U	0.23 UJ	0.23 U	0.25 U	0.27 UJ	0.22 UJ	0.23 U	0.20 UJ	0.22 U	0.23 U	0.28 UJ	0.22 UJ	0.24 UJ	0.27 UJ
Carbon Disulfide	mg/kg	0.23 U	0.23 U	0.23 U	0.25 U	0.27 U	0.22 U	0.23 U	0.20 U	0.22 U	0.23 U	0.28 U	0.22 U	0.24 U	0.27 U
Carbon Tetrachloride	mg/kg	0.046 U	0.045 U	0.046 U	0.050 U	0.055 U	0.044 U	0.046 U	0.040 U	0.044 U	0.046 U	0.056 U	0.043 U	0.048 U	0.054 U
Chlorobenzene	mg/kg	0.046 U	0.045 U	0.046 U	0.050 U	0.055 U	0.044 U	0.046 U	0.040 U	0.044 U	0.046 U	0.056 U	0.043 U	0.048 U	0.054 U
Chloroethane	mg/kg	0.23 U	0.23 U	0.23 U	0.25 U	0.27 U	0.22 U	0.23 U	0.20 U	0.22 U	0.12 J	0.095 J	0.22 U	0.24 U	0.27 U
Chloroform	mg/kg	0.046 U	0.045 U	0.046 U	0.050 U	0.055 U	0.044 U	0.046 U	0.040 U	0.044 U	0.046 U	0.056 U	0.043 U	0.048 U	0.054 U
Chloromethane	mg/kg	0.23 U	0.23 U	0.23 U	0.25 U	0.27 U	0.22 U	0.23 U	0.20 U	0.22 U	0.23 U	0.28 U	0.22 U	0.24 U	0.27 U
cis-1,2-Dichloroethene	mg/kg	0.046 U	0.045 U	0.046 U	2.6	0.055 U	0.044 U	0.046 U	0.040 U	0.044 U	0.046 U	0.056 U	0.043 U	0.048 U	0.054 U
cis-1,3-Dichloropropene	mg/kg	0.046 U	0.045 U	0.046 U	0.050 U	0.055 U	0.044 U	0.046 U	0.040 U	0.044 U	0.046 U	0.056 U	0.043 U	0.048 U	0.054 U
Cyclohexane	mg/kg	1.1 U	1.1 U	1.1 U	1.2 U	0.013 J	1.1 U	1.1 U	0.090 J	1.0 U	1.1 U	0.012 J	0.026 J	1.2 U	0.12 J
Dibromochloromethane	mg/kg	0.046 U	0.045 U	0.046 U	0.050 U	0.055 U	0.044 U	0.046 U	0.040 U	0.044 U	0.046 U	0.056 U	0.043 U	0.048 U	0.054 U
Dichlorodifluoromethane	mg/kg	0.092 UJ	0.090 UJ	0.093 U	0.10 U	0.11 UJ	0.089 UJ	0.093 UJ	0.081 UJ	0.087 U	0.093 U	0.11 UJ	0.086 UJ	0.096 UJ	0.11 UJ
Ethylbenzene	mg/kg	0.046 U	0.045 U	0.046 U	0.050 U	0.017 J	0.044 U	0.046 U	0.014 J	0.018 J	0.046 U	0.049 J	0.015 J	0.042 J	0.054
Isopropylbenzene	mg/kg	0.23 U	0.23 U	0.23 U	0.25 U	0.27 U	0.22 U	0.23 U	0.0086 J	0.028 J	0.23 U	0.078 J	0.0067 J	0.017 J	0.062 J
Methyl acetate	mg/kg	1.1 U	0.059 J	1.1 U	0.095 J	1.3 U	1.1 U	0.072 J	0.10 J	1.0 U	1.1 U	1.3 U	1.0 U	0.080 J	0.12 J
Methyl cyclohexane	mg/kg	1.1 U	1.1 U	1.1 U	0.014 J	0.012 J	1.1 U	1.1 U	0.12 J	0.016 J	0.019 J	0.033 J	0.092 J	0.075 J	0.18 J
Methyl tert-butyl ether	mg/kg	0.23 U	0.23 U	0.23 U	0.25 U	0.27 U	0.22 U	0.23 U	0.20 U	0.22 U	0.23 U	0.28 U	0.22 U	0.24 U	0.27 U
Methylene Chloride	mg/kg	0.23 U	0.23 U	0.23 U	0.25 U	0.27 U	0.22 U	0.23 U	0.20 U	0.22 U	0.23 U	0.28 U	0.22 U	0.24 U	0.27 U
Styrene	mg/kg	0.046 U	0.045 U	0.046 U	0.050 U	0.055 U	0.044 U	0.046 U	0.040 U	0.044 U	0.046 U	0.056 U	0.043 U	0.048 U	0.054 U
Tetrachloroethene	mg/kg	0.046 U	0.045 U	0.046 U	0.050 U	0.055 U	0.044 U	0.046 U	0.040 U	0.044 U	0.046 U	0.056 U	0.043 U	0.048 U	0.054 U
Toluene	mg/kg	0.092 U	0.090 U	0.093 U	0.015 J	0.013 J	0.089 U	0.093 U	0.043 J	0.017 J	0.093 U	0.034 J	0.045 J	0.022 J	0.088 J
trans-1,2-Dichloroethene	mg/kg	0.046 U	0.045 U	0.046 U	0.11 J	0.055 U	0.044 U	0.046 U	0.040 U	0.044 U	0.046 U	0.056 U	0.043 U	0.048 U	0.054 U
trans-1,3-Dichloropropene	mg/kg	0.046 UJ	0.045 U	0.046 U	0.050 U	0.055 UJ	0.044 UJ	0.046 UJ	0.040 U	0.044 U	0.046 U	0.056 UJ	0.043 UJ	0.048 U	0.054 U
Trichloroethene	mg/kg	0.046 U	0.045 U	0.046 U	2.0	0.071	0.057	0.014 J	0.040 U	0.044 U	0.046 U	0.056 U	0.043 U	0.048 U	0.054 U
Trichlorofluoromethane	mg/kg	0.092 U	0.090 U	0.093 U	0.10 U	0.11 U	0.089 U	0.093 U	0.081 U	0.087 U	0.093 U	0.11 U	0.086 U	0.096 U	0.11 U
Vinyl Chloride	mg/kg	0.037 U	0.036 U	0.037 U	0.076	0.044 U	0.036 U	0.037 U	0.032 U	0.035 U	0.037 U	0.045 U	0.034 U	0.038 U	0.043 U
Total Xylenes	mg/kg	0.14 U	0.14 U	0.14 U	0.030 J	0.15 J	0.026 J	0.14 U	0.075 J	0.064 J	0.022 J	0.15 J	0.081 J	0.36	0.19

Notes:
J Indicates an estimated value.
U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

CITY: SYRACUSE DIV/GROUP: 141 DB: G.STOWELL PM:(Reqd) LYR:ON=*;OFF=*REF
G:\ENVCAD\SYRACUSE\ACT\B0086991\2012\00001\DWG\PROP-SAMPLING\86991P01.DWG LAYOUT: 3 SAVED: 12/5/2012 1:36 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: C-PD2B-PDF-GMS PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 12/5/2012 1:36 PM BY: STOWELL, GARY

XREFS: 86991X01 IMAGES: PROJECTNAME: ---



LEGEND:

PROPERTY BOUNDARY

FENCE LINE

SMI PLANT PROPERTY RI AND OTHER COMPLETIONS:

B-2 — WATER TABLE MONITORING WELL

X-1A,B,C — MONITORING WELL CLUSTER

SB-312 — SOIL BORING

SB10-100 — SOIL BORING LOCATION (WEEK OF JANUARY 18, 2010)

DELPHI PLANT 2 AND PENINSULA PROPERTY RI AND OTHER COMPLETIONS:

MW-142D — MONITORING WELL

TW98-108WT — TEMPORARY WELL

SB98-120 — SOIL BORING

PZ-36 — PIEZOMETER

TW01-120 — GRAB GROUNDWATER SAMPLING LOCATION

NOTES:

1. BASE MAP DEVELOPED FROM THE FOLLOWING: PHOTOGRAMMETRIC BASE MAP PREPARED BY LOCKWOOD MAPPING, INC. OF ROCHESTER, NEW YORK., AERIAL PHOTOGRAPHY CONDUCTED ON 11/11/94; AND BASE MAP SUPPLIED BY AIR-LAND SURVEYS, INC., AERIAL PHOTOGRAPHY WAS CONDUCTED DURING 11/90.
2. SAMPLE LOCATIONS ARE APPROXIMATE.

0 30' 60'
GRAPHIC SCALE

MOTORS LIQUIDATION CAMPANY
PENINSULA PROPERTY
SAGINAW, MICHIGAN

SOIL BORING LOCATION MAP SAMPLES COLLECTED WEEK OF JANUARY 18, 2010

ARCADIS

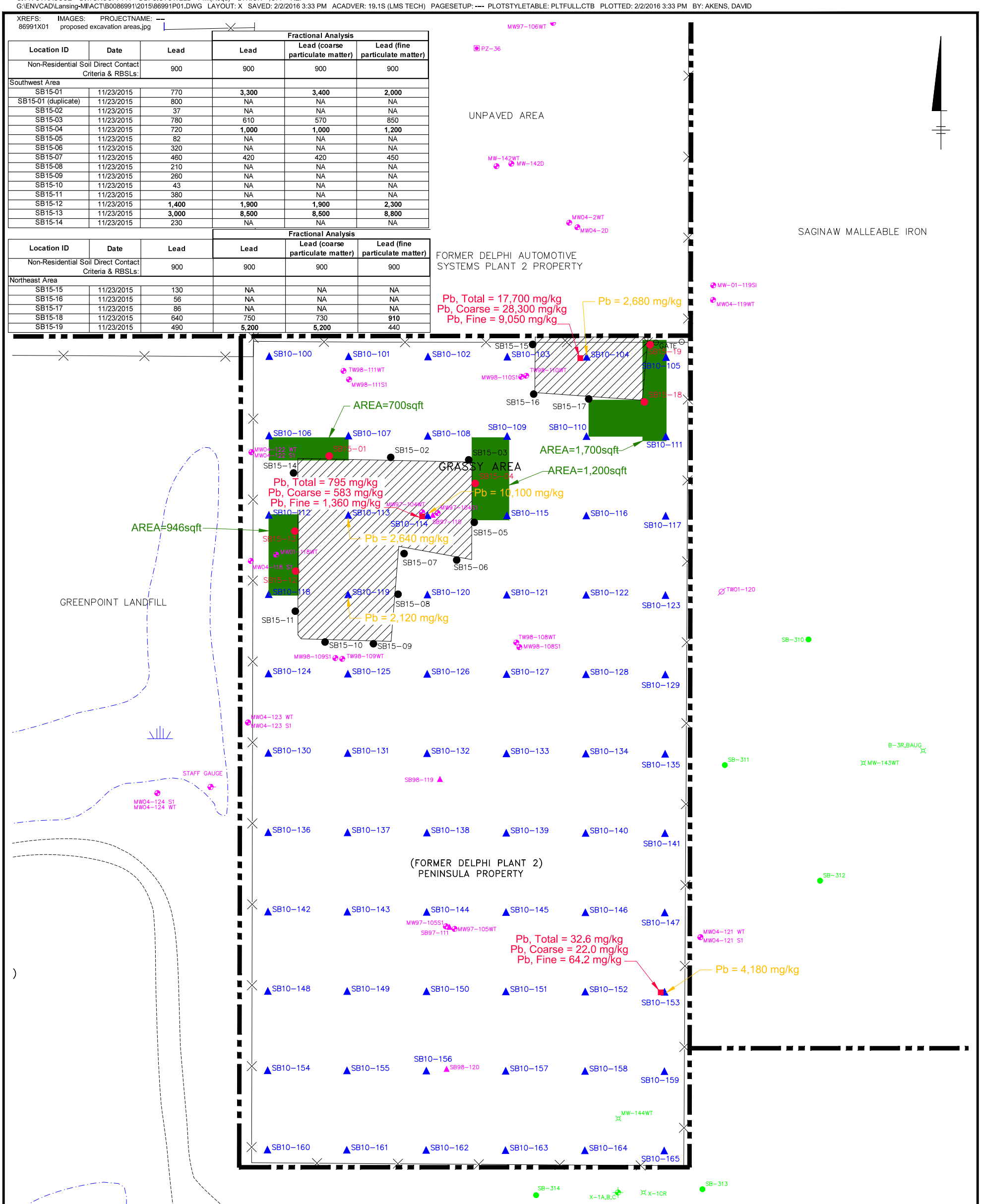
FIGURE
2

CITY: SYRACUSE DIV/GROUP: 141 DB: G.STOWELL PM:(Reqd) LYR:ON=*;OFF=*REF
G:\ENVCAD\Lansing-MI\ACT\B0086991\2015\86991P01.DWG LAYOUT: X SAVED: 2/2/2016 3:33 PM ACADVER: 19.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 2/2/2016 3:33 PM BY: AKENS, DAVID

XREFS: IMAGES: PROJECTNAME: ---
86991X01 proposed excavation areas.jpg

Location ID	Date	Lead	Fractional Analysis		
			Lead	Lead (coarse particulate matter)	Lead (fine particulate matter)
Non-Residential Soil Direct Contact Criteria & RBSLs:		900	900	900	900
Southwest Area					
SB15-01	11/23/2015	770	**3,300**	**3,400**	**2,000**
SB15-01 (duplicate)	11/23/2015	800	NA	NA	NA
SB15-02	11/23/2015	37	NA	NA	NA
SB15-03	11/23/2015	780	610	570	850
SB15-04	11/23/2015	720	**1,000**	**1,000**	**1,200**
SB15-05	11/23/2015	82	NA	NA	NA
SB15-06	11/23/2015	320	NA	NA	NA
SB15-07	11/23/2015	460	420	420	450
SB15-08	11/23/2015	210	NA	NA	NA
SB15-09	11/23/2015	260	NA	NA	NA
SB15-10	11/23/2015	43	NA	NA	NA
SB15-11	11/23/2015	380	NA	NA	NA
SB15-12	11/23/2015	**1,400**	**1,900**	**1,900**	**2,300**
SB15-13	11/23/2015	**3,000**	**8,500**	**8,500**	**8,800**
SB15-14	11/23/2015	230	NA	NA	NA

Location ID	Date	Lead	Fractional Analysis		
			Lead	Lead (coarse particulate matter)	Lead (fine particulate matter)
Non-Residential Soil Direct Contact Criteria & RBSLs:		900	900	900	900
Northeast Area					
SB15-15	11/23/2015	130	NA	NA	NA
SB15-16	11/23/2015	56	NA	NA	NA
SB15-17	11/23/2015	86	NA	NA	NA
SB15-18	11/23/2015	640	750	730	**910**
SB15-19	11/23/2015	490	**5,200**	**5,200**	440



NOTES:

1. BASE MAP DEVELOPED FROM THE FOLLOWING: PHOTOGRAMMETRIC BASE MAP PREPARED BY LOCKWOOD MAPPING, INC. OF ROCHESTER, NEW YORK., AERIAL PHOTOGRAPHY CONDUCTED ON 11/11/94; AND BASE MAP SUPPLIED BY AIR-LAND SURVEYS, INC., AERIAL PHOTOGRAPHY WAS CONDUCTED DURING 11/90.
2. SAMPLE LOCATIONS ARE APPROXIMATE.
3. CLEANUP CRITERIA: PART 201 (ENVIRONMENTAL REMEDIATION) OF THE MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY (MDEQ) NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION ACT (NREPA), 1994 PA 451 (REVISED DECEMBER 30, 2013) RESIDENTIAL GENERIC CLEANUP CRITERIA AND SCREENING LEVELS.
4. BOLD AND SHADED RESULT DENOTES EXCEEDANCE OF CRITERIA.

LEGEND:

- PROPERTY BOUNDARY
- FENCE LINE

SMI PLANT PROPERTY RI AND OTHER COMPLETIONS:

- SB15-01 — BORING LOCATION (NOVEMBER 23, 2015)
- B-2 — WATER TABLE MONITORING WELL
- X-1A,B,C — MONITORING WELL CLUSTER
- SB-312 — SOIL BORING
- SB10-100 — SOIL BORING LOCATION (WEEK OF JANUARY 18, 2010)

DELPHI PLANT 2 AND PENINSULA PROPERTY RI AND OTHER COMPLETIONS:

- MW-142D — MONITORING WELL
- TW98-108WT — TEMPORARY WELL
- SB98-120 — SOIL BORING
- PZ-36 — PIEZOMETER
- TW01-120 — GRAB GROUNDWATER SAMPLING LOCATION

- SOIL BORING LOCATION – AUGUST 15, 2013
- SOIL BORING LOCATION FRACTIONAL LEAD ABOVE 900
- 2015 EXCAVATION AND VEGETATIVE CAP AREA
- PROPOSED CAP AREA

SMI – SAGINAW MALLEABLE IRON
RI – REMEDIAL INVESTIGATION
Mg/kg – MILLIGRAMS PER KILOGRAM
Pb – LEAD

0 30' 60'
GRAPHIC SCALE

RACER PENINSULA PROPERTY
74 WEST CENTER STREET
SAGINAW, MI

SURFICIAL SOIL LEAD RESULTS AND PROPOSED ADDITIONAL CAP AREAS

ARCADIS

FIGURE
X