United States Environmental Protection Agency
Region 7
901 N. 5th Street
Kansas City, KS 66101

Date: NOV 24 2010

Subject: Transmittal of Sample Analysis Results for ASR #: 5104

Project ID: MDA7X300

Project Description: Former Lyons Diecasting Company - Removal Assessment sampling

From: Michael F. Davis, Chief for Dale Pedal
Chemical Analysis and Response Branch, Environmental Services Division

To: Mike B. Davis
SUPR/ERSB/PPSS

Enclosed are the analytical data for the above-referenced Analytical Services Request (ASR) and Project. The Regional Laboratory has reviewed and verified the results in accordance with procedures described in our Quality Manual (QM). In addition to all of the analytical results, this transmittal contains pertinent information that may have influenced the reported results and documents any deviations from the established requirements of the QM.

Please contact us within 14 days of receipt of this package if you determine there is a need for any changes. Please complete the enclosed Customer Satisfaction Survey and Data Disposition/Sample Release memo for this ASR as soon as possible. The process of disposing of the samples for this ASR will be initiated 30 days from the date of this transmittal unless an alternate release date is specified on the Data Disposition/Sample Release memo.

If you have any questions or concerns relating to this data package, contact our customer service line at 913-551-5295.

Enclosures

cc: Analytical Data File.

40338973
Superfund

Project Manager: Mike B. Davis **Org:** SUPR/ERSB/PPSS **Phone:** 913-551-7328

Project ID: MDA7X300

Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling

Location: Buckner **State:** Missouri **Program:** Superfund

Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Purpose: Site Cleanup Support **GPRA PRC:** 302DC6C

Explanation of Codes, Units and Qualifiers used on this report

Sample QC Codes: QC Codes identify the type of sample for quality control purpose.

__ = Field Sample
FB = Field Blank

Units: Specific units in which results are reported.

Deg C = Degrees Celsius
mg/L = Milligrams per Liter
mg/kg = Milligrams per Kilogram
ug/L = Micrograms per Liter
ug/cm2 = Micrograms per Square Centimeter
ug/kg = Micrograms per Kilogram

Data Qualifiers: Specific codes used in conjunction with data values to provide additional information on the quality of reported results, or used to explain the absence of a specific value.

(Blank)= Values have been reviewed and found acceptable for use.
J = The identification of the analyte is acceptable; the reported value is an estimate.
L = The identification of the analyte is acceptable; the reported value may be biased low. The actual value is expected to be greater than the reported value.
O = Parameter not analyzed.
R = The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable.
U = The analyte was not detected at or above the reporting limit.
UJ = The analyte was not detected at or above the reporting limit. The reporting limit is an estimate.

ASR Number: 5104 **Sample Information Summary** **11/24/2010**

Project ID: MDA7X300 **Project Desc:** Former Lyons Diecasting Company - Removal Assessment sampling

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
1 -	__	Solid	Lagoon Sediment		10/19/2010	12:00			10/20/2010
2 -	__	Solid	GP-1		10/19/2010	14:11			10/20/2010
3 -	__	Solid	GP-2		10/20/2010	12:00			10/21/2010
4 -	__	Solid	SED-1		10/20/2010	13:23			10/21/2010
5 -	__	Solid	SED-2		10/20/2010	14:22			10/21/2010
6 -	__	Solid	SED-3		10/20/2010	15:53			10/21/2010
7 -	__	Solid	SED-4 (Outfall)		10/20/2010	15:58			10/21/2010
8 -	__	Solid	SED-5 (Background)		10/20/2010	16:12			10/21/2010
9 -	__	Solid	SED-6		10/21/2010	09:21			10/22/2010
10 -	__	Solid	SED-7		10/21/2010	09:41			10/22/2010
11 -	__	Solid	GP-3 (Background)		10/21/2010	10:35			10/22/2010
14 -	__	Solid	SS-1		10/18/2010	12:26			10/20/2010
15 -	__	Solid	SS-2		10/18/2010	12:49			10/20/2010
16 -	__	Solid	SS-3		10/18/2010	13:24			10/20/2010
17 -	__	Solid	SS-4		10/18/2010	13:30			10/20/2010
18 -	__	Solid	SS-5		10/18/2010	13:58			10/20/2010
19 -	__	Solid	SS-6		10/18/2010	14:02			10/20/2010
20 -	__	Solid	SS-14		10/18/2010	14:12			10/20/2010
21 -	__	Solid	SS-13		10/18/2010	14:24			10/20/2010
22 -	__	Solid	SS-12		10/18/2010	14:32			10/20/2010
23 -	__	Solid	SS-11		10/18/2010	14:36			10/20/2010
24 -	__	Solid	SS-17		10/18/2010	14:50			10/20/2010
25 -	__	Solid	SS-26		10/18/2010	14:57			10/20/2010
26 -	__	Solid	SS-27		10/18/2010	15:04			10/20/2010
27 -	__	Solid	SS-28		10/18/2010	15:17			10/20/2010
28 -	__	Solid	SS-29		10/18/2010	15:24			10/20/2010
29 -	__	Solid	SS-30		10/18/2010	15:31			10/20/2010
30 -	__	Solid	SS-31		10/18/2010	15:41			10/20/2010
31 -	__	Solid	SS-15		10/19/2010	09:06			10/20/2010
32 -	__	Solid	SS-16		10/19/2010	09:10			10/20/2010
33 -	__	Solid	SS-7		10/19/2010	09:14			10/20/2010
34 -	__	Solid	SS-8		10/19/2010	09:20			10/20/2010
35 -	__	Solid	SS-9		10/19/2010	09:32			10/20/2010
36 -	__	Solid	SS-10		10/19/2010	09:42			10/20/2010
37 -	__	Solid	SS-18		10/19/2010	10:32			10/20/2010
38 -	__	Solid	SS-19		10/19/2010	10:42			10/20/2010
39 -	__	Solid	SS-20		10/19/2010	10:52			10/20/2010
40 -	__	Solid	SS-21		10/19/2010	11:05			10/20/2010
41 -	__	Solid	SS-22		10/19/2010	11:40			10/20/2010
42 -	__	Solid	SS-23		10/19/2010	13:20			10/20/2010
43 -	__	Solid	SS-24		10/19/2010	13:30			10/20/2010
44 -	__	Solid	SS-25		10/19/2010	13:40			10/20/2010
45 -	__	Solid	SS-32		10/19/2010	13:50			10/20/2010
46 -	__	Solid	SS-33		10/19/2010	14:10			10/20/2010

ASR Number: 5104 **Sample Information Summary** **11/24/2010**

Project ID: MDA7X300 **Project Desc:** Former Lyons Diecasting Company - Removal Assessment sampling

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
47 -	__	Solid	SS-34		10/19/2010	14:21			10/20/2010
48 -	__	Solid	SS-35		10/19/2010	14:31			10/20/2010
49 -	__	Solid	SS-36		10/19/2010	14:41			10/20/2010
50 -	__	Solid	SS-37		10/19/2010	15:40			10/20/2010
51 -	__	Solid	SS-38		10/19/2010	15:50			10/20/2010
52 -	__	Solid	SS-42		10/19/2010	16:41			10/20/2010
53 -	__	Solid	SS-40		10/19/2010	16:24			10/20/2010
54 -	__	Solid	SS-41		10/19/2010	16:31			10/20/2010
55 -	__	Solid	SS-39		10/19/2010	16:20			10/20/2010
56 -	__	Solid	SS-43		10/19/2010	17:13			10/20/2010
57 -	__	Solid	SS-44		10/20/2010	09:11			10/21/2010
58 -	__	Solid	SS-45		10/20/2010	09:16			10/21/2010
59 -	__	Solid	SS-46		10/20/2010	09:22			10/21/2010
60 -	__	Solid	SS-47		10/20/2010	09:43			10/21/2010
61 -	__	Solid	SS-48		10/20/2010	09:54			10/21/2010
62 -	__	Solid	SS-49		10/20/2010	10:13			10/21/2010
63 -	__	Solid	SS-50		10/20/2010	10:50			10/21/2010
64 -	__	Solid	SS-51		10/20/2010	10:55			10/21/2010
65 -	__	Solid	SS-52		10/20/2010	11:00			10/21/2010
66 -	__	Solid	SS-53		10/20/2010	11:05			10/21/2010
101 -	__	Waste	Solid concrete chip sample 1		10/21/2010	09:07			10/22/2010
102 -	__	Waste	Solid concrete chip sample 2		10/20/2010	10:13			10/22/2010
103 -	__	Waste	Solid concrete chip sample 3		10/20/2010	10:23			10/22/2010
104 -	__	Waste	Solid concrete chip sample 4		10/21/2010	10:33			10/22/2010
105 -	__	Waste	Solid concrete chip sample 5		10/21/2010	10:45			10/22/2010
106 -	__	Waste	Floor sweeping sample #1		10/20/2010	11:04			10/21/2010
107 -	__	Waste	Floor sweeping sample #2		10/20/2010	11:10			10/21/2010
108 -	__	Waste	Floor sweeping sample #3		10/20/2010	11:14			10/21/2010
109 -	__	Waste	Floor sweeping sample #4		10/20/2010	11:17			10/21/2010
110 -	__	Waste	Floor sweeping sample #5		10/20/2010	11:20			10/21/2010
201 -	__	Water	Lagoon 1 Suface water sample		10/19/2010	11:52			10/20/2010
202 -	__	Water	SW-1		10/20/2010	13:17			10/21/2010
203 -	__	Water	SW-2		10/20/2010	14:16			10/21/2010
204 -	__	Water	SW-3		10/20/2010	15:48			10/21/2010
205 -	__	Water	SW-4 (Background)		10/20/2010	16:07			10/21/2010
206 -	__	Water	SW-5		10/21/2010	09:10			10/22/2010
207 -	__	Water	SW-6		10/21/2010	09:34			10/22/2010
212 -	FB	Water	Field Blank sample		10/18/2010	15:00			10/19/2010
213 -	FB	Water	LDL VOA/TPH VOA (GRO) Trip Blank sample		10/18/2010	15:00			10/19/2010
301 -	__	Waste	Wipe Sample-1 Area wiped: 100 Units: cm		10/21/2010	13:35			10/22/2010
302 -	__	Waste	Wipe Sample -2 Area wiped: 100 Units: cm		10/21/2010	13:45			10/22/2010
303 -	__	Waste	Wipe Sample-3 Area wiped: 100 Units: cm		10/21/2010	13:55			10/22/2010

ASR Number: 5104 **Sample Information Summary** **11/24/2010**

Project ID: MDA7X300 **Project Desc:** Former Lyons Diecasting Company - Removal Assessment sampling

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
304 -	__	Waste	Wipe Sample -4 Area wiped: 100 Units: cm		10/21/2010	14:05			10/22/2010
305 -	__	Waste	Wipe Sample-5 Area wiped: 100 Units: cm		10/21/2010	14:15			10/22/2010
401 -	__	Waste	Haz. waste = liquid non-aqueous sample (WPL-1)		10/21/2010	14:08			10/22/2010
402 -	__	Waste	Haz. waste = liquid non-aqueous sample (WPL-2)		10/21/2010	15:44			10/22/2010
404 -	__	Waste	Haz. waste = water sample (WPW-1)		10/21/2010	13:48			10/22/2010
405 -	__	Waste	Haz. waste = water sample (WPW-2)		10/21/2010	15:24			10/22/2010
407 -	__	Waste	Haz. waste = sludge sample (WPS-1)		10/21/2010	14:32			10/22/2010
408 -	__	Waste	Haz. waste = sludge sample (WPS-2)		10/21/2010	16:00			10/22/2010

Analysis **Comments About Results For This Analysis**

1 Metals in Solids by ICP-AES

Lab: Contract Lab Program (Out-Source)

Method: CLP Statement of Work

Basis: Dry

Samples:

1-__	2-__	3-__	4-__	5-__	6-__	7-__
8-__	9-__	10-__	11-__	14-__	15-__	16-__
17-__	18-__	19-__	20-__	21-__	22-__	23-__
24-__	25-__	26-__	27-__	28-__	29-__	30-__
31-__	32-__	33-__	34-__	35-__	36-__	37-__
38-__	39-__	40-__	41-__	42-__	43-__	44-__
45-__	46-__	47-__	48-__	49-__	50-__	51-__
52-__	53-__	54-__	55-__	56-__	57-__	58-__
59-__	60-__	61-__	62-__	63-__	64-__	65-__
66-__						

Comments:

Slight beryllium, cadmium, and potassium contamination were found in the calibration blanks. Only samples containing this analyte at a level greater than ten times the contamination level of the blank are reported without being qualified. All samples that contained this analyte but at a level less than ten times the contamination in the blank have the result U-coded indicating that the reporting limit has been raised to the level found in the sample. Samples affected were: beryllium in -30, -40, -41, -44, -48, and -51, cadmium in -32 and -39, and potassium in -3, -8, -15 through -29, -31, -32, -33, and -36.

Cadmium in samples -1, -2, -9 through -11, -32, -38, -39, and -44 and silver in samples -9 through -11, -65, and -66 were UJ-coded. These analytes were not found in the samples at or above the reporting limits, however, the reporting limits are an estimate (UJ-coded) due to negative recoveries of these analytes in the interference check samples (ICS) which were not present in the ICS solution but whose absolute values were greater than the method detection limits (MDL), therefore, a possibility of false negatives exists. The actual reporting limits may be higher than the reported values.

Antimony was UJ-coded in samples -2, -11, -36, and -59. This analyte was not found in the samples at or above the reporting limits, however, the reporting limits are an estimate (UJ-coded) due to low recoveries of this analyte (Sb: 28-37% vs 75-125%) in the laboratory matrix spike. The actual reporting limit for this analyte may be higher than the reported value.

Arsenic was J-coded in sample -2. Although the analyte in question has been positively identified in the sample, the quantitation is an estimate (J-coded) due to low recovery of this analyte (As: 59% vs 75-125%) in the laboratory matrix spike. The actual concentration for this analyte may be higher than the reported value.

Arsenic and copper in sample -59 and zinc in sample -2 were J-coded. Although the analytes in question have been positively identified in the sample, the quantitations are an

Analysis **Comments About Results For This Analysis**

estimate (J-coded) due to high recoveries of these analytes (As: 127%, Cu: 135%, and Zn: 231% vs 75-125%) in the laboratory matrix spikes. The actual concentrations for these analytes may be lower than the reported values.

Manganese was J-coded in sample -59. Although the analyte in question has been positively identified in the sample, the quantitation is an estimate (J-coded) due to poor precision (54% vs 35%) obtained for this analyte in the laboratory duplicate sample.

Beryllium was J-coded in sample -59 and potassium in sample -36 and sodium in samples -2, -11, -36, and -59 were UJ-coded. Positive results were J-coded and non-detect results were UJ-coded due to the serial dilution percent differences (Be: 19%, K: 16%, and Na: 18-36%) being above the control limits (15%). The actual concentrations for beryllium, potassium, and sodium may be higher than the reported values.

1 PCBs in Soil by GC/EC

Lab: Contract Lab Program (Out-Source)

Method: CLP Statement of Work

Basis: Dry

Samples:

1-__	2-__	3-__	4-__	5-__	6-__	7-__
8-__	9-__	10-__	11-__	14-__	15-__	16-__
17-__	18-__	19-__	20-__	21-__	22-__	23-__
24-__	25-__	26-__	27-__	28-__	29-__	30-__
31-__	32-__	33-__	34-__	35-__	36-__	37-__
38-__	39-__	40-__	41-__	42-__	43-__	44-__
45-__	46-__	47-__	48-__	49-__	50-__	51-__
52-__	53-__	54-__	55-__	56-__	57-__	58-__
59-__	60-__	61-__	62-__	63-__	64-__	65-__
66-__						

Comments:

SDG No.G6BG5 - Including Samples -1, -2 and -14 through -31

The percent moisture content (89%) for sample -1 exceeded primary criteria (<70%). AR1242 was J-coded in sample -1. Although the analytes in question have been positively identified in the sample, the quantitation is an estimate (J-coded) due to high moisture content. The analytes that were not found in the sample at or above the reporting limits were UJ-coded; however, the reporting limits are an estimate (UJ-coded) due to high moisture content.
Note: Due to high moisture content and high levels of AR1242 (1:10 dilution was lowest reported), the CRQLs were raised by a factor of 90 times for this sample.

Column comparison % differences were exceeded (>25% D) for AR1248 in samples -21 (41.5%) and -28 (35.3%). Although the analyte in question has been positively identified in the samples, the quantitations are an estimate (J-coded) due to poor precision obtained for this analyte in the column comparison results.

Analysis **Comments About Results For This Analysis**

SDG No.G6BJ5 - Including Samples -32 through -52

Dilutions were necessary because of high levels of AR1248 in samples -34, -35, -36, -38 and -41 for this analysis. This increased the reporting limits by a factor of 2 times for samples -35, -38 and -41; by a factor of 10 times for sample -34; and by a factor of 3 times for sample -36.

Column comparison % differences were exceeded (>25% D) for AR1248 in sample -52 (35.4%); and for AR1254 in samples -39 (70.7%) and -40 (91.5%). Although the analytes in question have been positively identified in the samples, the quantitations are an estimate (J-coded) due to poor precision obtained for these analytes in the column comparison results.

SDG No.G6BL6 - Including Samples -3 through -8, -53 through -63

Column comparison % differences were exceeded (>25% D) for AR1248 in samples -5 (45.2%), -7 (26.5%), -53 (38.6%), -54 (42.8%), -57 (71.5%), -60 (76.5%), -61 (47.1%), -62 (66.8%) and -63 (136%). Although the analyte in question has been positively identified in the samples, the quantitations are an estimate (J-coded) due to poor precision obtained for this analyte in the column comparison results.

SDG No.G6BJ6 - Including Samples -9, -10, -11, -33, -64, -65 and -66

Dilutions were necessary because of high levels of AR1248 in samples -62 for this analysis. This increased the reporting limits by a factor of 2 times for this sample.

Column comparison % differences were exceeded (>25% D) for AR1248 in samples -33 (31.7%) and -65 (41.0%). Although the analyte in question has been positively identified in the samples, the quantitations are an estimate (J-coded) due to poor precision obtained for this analyte in the column comparison results.

1 Semi-Volatile Organic Compounds in Soil

Lab: Contract Lab Program (Out-Source)

Method: CLP Statement of Work

Basis: Dry

Samples:						
1-__	2-__	3-__	4-__	5-__	6-__	7-__
8-__	9-__	10-__	11-__	14-__	15-__	16-__
17-__	18-__	19-__	20-__	21-__	22-__	23-__
24-__	25-__	26-__	27-__	28-__	29-__	30-__
31-__	32-__	33-__	34-__	35-__	36-__	37-__
38-__	39-__	40-__	41-__	42-__	43-__	44-__

Analysis **Comments About Results For This Analysis**

Samples:							
	45-__	46-__	47-__	48-__	49-__	50-__	51-__
	52-__	53-__	54-__	55-__	56-__	57-__	58-__
	59-__	60-__	61-__	62-__	63-__	64-__	65-__
	66-__						

Comments:

SDG No. G6BG5 - Including Samples: -1, -2 and -14 through -31

The percent moisture content (89%) for sample -1 exceeded primary criteria (<70%). Bis(2-ethylhexyl)phthalate was J-coded in sample -1. Although the analytes in question have been positively identified in the sample, the quantitation is an estimate (J-coded) due to high moisture content. The analytes that were not found in the sample at or above the reporting limits were UJ-coded; however, the reporting limits are an estimate (UJ-coded) due to high moisture content.
Note: Due to high moisture content, the CRQLs were raised by a factor of 9.4 times for this sample.

The RPDs for indeno(1,2,3-cd)pyrene (24.6%), dibenzo(a,h)anthracene (25.9%) and benzo(g,h,i)perylene (22.0%) were above the control limits (20%) on the IC of 10/27/10. Indeno(1,2,3-cd)pyrene and benzo(g,h,i)perylene were J-coded in samples -14, -19 and -29. Although the analytes in question has been positively identified in the samples, the quantitation is an estimate (J-coded) due to the initial instrument calibration curves not meeting linearity specifications.
Indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene and benzo(g,h,i)perylene were UJ-coded in samples -1, -2, -15, -16, -17, -18, -20, -21, -22, -23, -24, -25, -26, -27, -28, -30 and -31. Dibenzo(a,h)anthracene was UJ-coded in samples -14, -19 and -29. These analytes were not found in the samples at or above the reporting limits; however, the reporting limits are an estimate (UJ-coded) due to the initial instrument calibration curves not meeting linearity specifications. The actual reporting limits may be higher than the reported values.

The %Ds for hexacyclopentadiene (-96.2%) and benzo(g,h,i)perylene (-55.8%) were below control limits (±50%) on the closing CC of 10/28/10. The %Ds for hexacyclopentadiene (-75.2%), 2,4-dinitrophenol (-93.5%) and 4,6-dinitro-2-methylphenol (-90.5%) were below control limits (±50%) on the closing CC of 10/30/10. The %Ds for hexacyclopentadiene (-67.7%), 2,4-dinitrophenol (-93.6%) and 4,6-dinitro-2-methylphenol (-90.8%) were below control limits (±50%) on the closing CC of 11/01/10.
Hexacyclopentadiene was UJ-coded in samples -1 and -14 through -31. Benzo(g,h,i)perylene was UJ-coded in samples -1, -2, -15, -16, -17 and -18. 2,4-Dinitrophenol and 4,6-dinitro-2-methylphenol were UJ-coded in samples -21 through -31. These analytes were not found in the samples at or above the reporting limits; however, the reporting limits are an estimate (UJ-coded) due to the continuing calibration checks not meeting accuracy specifications. The actual reporting limits for these analytes may be higher than the reported values.
Benzo(g,h,i)perylene was J-coded in samples -14 and -19. Although the analyte in question has been positively identified in the samples, the quantitation is an estimate (J-coded) due to the continuing calibration check not meeting accuracy specifications. The actual concentration for this analyte may be higher than the reported value.

Analysis **Comments About Results For This Analysis**

Low recoveries were reported for pyrene-d10 (control limits = 51% - 120%) in samples -14 (45%), -15 (45%), -18 (49%), -19 (54%), -22 (47%), -23 (46%), -24 (44%) and -25 (44%).
Benzo(a)anthracene, chrysene, fluoranthene and pyrene were J-coded in samples -14 and -19. Chrysene and fluoranthene were J-coded in samples -15 and -22. Chrysene, fluoranthene and pyrene were J-coded in sample -18. Fluoranthene was J-coded in samples -23, -24 and -25. Although the analytes in question have been positively identified in the samples, the quantitations are an estimate (J-coded) due to high recoveries of surrogate analytes in these samples. The actual concentration for these analytes may be higher than the reported values.
Benzo(a)anthracene and pyrene were UJ-coded in samples -15 and -22. Benzo(a)anthracene was UJ-coded in sample -18. Benzo(a)anthracene, chrysene and pyrene were UJ-coded in samples -23, -24 and -25. These analytes were not found in the samples at or above the reporting limits; however, the reporting limits are an estimate (UJ-coded) due to low recoveries of the surrogate analyte. The actual reporting limits for these analytes may be higher than the reported values.

SDG No. G6BJ5 - Including Samples: -32 through -52

The %Ds for hexachlorocyclopentadiene (-82.62%) and benzo(g,h,i)perylene (-57.3%) were below control limits (±50%) on the closing CC of 10/29/10. The %Ds for hexacyclopentadiene (-59.5%) and benzo(g,h,i)perylene (-62.0%) were below control limits on the closing CC of 10/30/10.
Hexachlorocyclopentadiene and benzo(g,h,i)perylene were UJ-coded in samples -32 and -34 through -52. These analytes were not found in the samples at or above the reporting limits; however, the reporting limits are an estimate (UJ-coded) due to the continuing calibration checks not meeting accuracy specifications. The actual reporting limits for these analytes may be higher than the reported values.

SDG No. G6BL6 - Including Samples: -3 through -8, -53 through -63 and -72PE

The %Ds for hexachlorocyclopentadiene (-92.6%), 2,4-dinitrophenol (-53.5%), indeno(1,2,3-cd)pyrene (-54.5%), dibenzo(a,h)anthracene (-53.7%) and benzo(g,h,i)perylene (-61.6%) were below control limits (±50%) on the closing CC of 11/2/10. Hexacyclopentadiene, 2,4-dinitrophenol), indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene and benzo(g,h,i)perylene were UJ-coded in samples -4, -5, -53, -54, -55, -56, -60, -61, -62 and -63. These analytes were not found in the samples at or above the reporting limits; however, the reporting limits are an estimate (UJ-coded) due to the continuing calibration checks not meeting accuracy specifications. The actual reporting limits for these analytes may be higher than the reported values.

Low recoveries were reported for perylene-d12 (control limits = 50% - 200%) in sample -63 (33%). An internal standard in sample -63 had unacceptable response indicating that is was not possible to obtain valid results for benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(g,h,i)perylene, dibenzo(a,h)anthracene, di-n-octylphthalate and indeno(1,2,3-cd)pyrene. Results of 'N/A' were reported with R-codes for these analytes.

Analysis **Comments About Results For This Analysis**

SDG No. G6BJ6 - Including Samples: -9, -10, -11, -33, -64, -65 and -66

The RPDs for indeno(1,2,3-cd)pyrene (24.6%), dibenzo(a,h)anthracene (25.9%) and benzo(g,h,i)perylene (22.0%) were above the control limits (20%) on the IC of 10/27/10. Indeno(1,2,3-cd)pyrene and benzo(g,h,i)perylene were J-coded in sample -33. Although the analytes in question has been positively identified in the samples, the quantitation is an estimate (J-coded) due to the initial instrument calibration curves not meeting linearity specifications.

Indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene and benzo(g,h,i)perylene were UJ-coded in samples -9, -10, -11, -64, -65 and -66. Dibenzo(a,h)anthracene was UJ-coded in sample -33. These analytes were not found in the samples at or above the reporting limits; however, the reporting limits are an estimate (UJ-coded) due to the initial instrument calibration curves not meeting linearity specifications. The actual reporting limits may be higher than the reported values.

The %Ds for hexachlorocyclopentadiene (-82.4%) and 2,4-dinitrophenol (-65.7%) were below control limits (±50%) on the closing CC of 11/3/10. Hexachlorocyclopentadiene and 2,4-dinitrophenol were UJ-coded in samples -9, -10, -11, -33, -64, -65 and -66. These analytes were not found in the samples at or above the reporting limits; however, the reporting limits are an estimate (UJ-coded) due to the continuing calibration checks not meeting accuracy specifications. The actual reporting limits for these analytes may be higher than the reported values.

A high recovey were reported for pyrene (control limits = 35% - 142%) in sample -33MSD (160%).
Pyrene was J-coded in sample -33. Although the analyte in question has been positively identified in the sample, the quantitation is an estimate (J-coded) due to low recovery of this analyte in the laboratory matrix spike. The actual concentration for this analyte may be higher than the reported value.

1 Semi-Volatile TPH (DRO & ORO) in Soil by GC/FID

Lab: RASP Contract Lab (Out-Source)

Method: Similar to Modified version of SW846 Method 8015 (see comments)

Basis: Dry

Samples: 1-__ 2-__ 3-__ 4-__ 5-__ 6-__ 7-__
8-__ 9-__ 10-__ 11-__

Comments:
(N/A)

1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap

Lab: Contract Lab Program (Out-Source)

Method: CLP Statement of Work

Basis: Dry

Samples: 1-__ 2-__ 3-__ 4-__ 5-__ 6-__ 7-__

Analysis **Comments About Results For This Analysis**

Samples:							
	8-__	9-__	10-__	11-__	14-__	15-__	16-__
	17-__	18-__	19-__	20-__	21-__	22-__	23-__
	24-__	25-__	26-__	27-__	28-__	29-__	30-__
	31-__	32-__	33-__	34-__	35-__	36-__	37-__
	38-__	39-__	40-__	41-__	42-__	43-__	44-__
	45-__	46-__	47-__	48-__	49-__	50-__	51-__
	52-__	53-__	54-__	55-__	56-__	57-__	58-__
	59-__	60-__	61-__	62-__	63-__	64-__	65-__
	66-__						

Comments:

SDG No. G6BG5 - Including Samples: -1, -2 and -14 through -31

The percent moisture content (89%) for sample -1 exceeded primary criteria (<70%). Acetone, 2-butanone, carbon disulfide, 1,2,3-trichlorobenzene and 1,2,4-trichlorobenzene were J-coded in sample -1. Although the analytes in question have been positively identified in the sample, the quantitation is an estimate (J-coded) due to high moisture content. The analytes that were not found in the sample at or above the reporting limits were UJ-coded; however, the reporting limits are an estimate (UJ-coded) due to high moisture content.
Note: All analytes that were UJ-coded due to moisture content in this sample were subsequently R-coded due to Internal Standard outliers.

High recoveries were reported for chloroethane-d5 (control limits = 61% - 130%) in sample -1 (144%); for 1,2-dichloropropane-d6 (control limits = 74% - 124%) in samples -14 (170%), -15 (127%), -16 (158%), -18 (161%), -19 (132%), -20 (132%), -26 (141%), -27 (127%), -28 (131%), -29 (134%), -30 (134%) and -31 (141%); and for toluene-d8 (control limits = 78% - 121%) in sample -14 (137%).
Carbon disulfide was J-coded in sample -1. Cyclohexane and methylcyclohexane were J-coded in samples -14, -16, -18, -27 and -29. Methylcyclohexane was J-coded in samples -15, -19, -20, -26, -28, -30 and -31. Toluene was J-coded in sample -14. Although the analytes in question have been positively identified in the samples, the quantitations are an estimate (J-coded) due to high recoveries of surrogate analytes in these samples. The actual concentration for these analytes may be lower than the reported values.

Low recoveries were reported for chlorobenzene-d5 (control limits = 50% - 200%) in samples -1 (16%),-14 (28%), -18 (43%), -20 (48%), -21 (44%), -26 (38%), -27 (41%), -28 (44%), -29 (42%), -30 (40%) and -31 (35%); for 1,4-difluorobenzene (control limits = 50% - 200%) in sample -1 (32%); and for 1,4-dichlorobenzene (control limits = 50% - 200%) in samples -1 (9%), -14 (14%), -15 (32%), -16 (26%), -17 (35%), -18 (18%), -19 (31%), -20 (27%), -21 (26%), -22 (33%), -23 (35%), -24 (41%), -25 (37%), -26 (22%), -27 (24%), -28 (27%), -29 (25%), -30 (23%) and -31 (20%).
Acetone, 2-butanone, carbon disulfide, 1,2,3-trichlorobenzene and 1,2,4-trichlorobenzene in sample -1; cyclohexane, methylcyclohexane and toluene in samples -14, -18 and -27; methylcyclohexane in samples -30 and -26; 2-hexanone in sample -21; 2-hexanone and methylcyclohexane in sample -28; cyclohexane, 2-hexanone and methylcyclohexane in sample -29; and methylcyclohexane and 4-methyl-2-pentanone in samples -30 and -31 were J-coded.

Analysis **Comments About Results For This Analysis**

Although the analytes in question have been positively identified in the samples, the quantitations are an estimate (J-coded) due to low internal standard responses. The actual concentrations for these analytes may be lower than the reported values.
Internal standards in samples -1 and -14 through -31 had unacceptable responses indicating that is was not possible to obtain valid results for the analytes associated with the internal standards cited above that were not detected in the samples. Results of 'N/A' were reported with R-codes for these analytes in these samples.

Slight 1,2,4-trichlorobenzene contamination was found in the laboratory method blanks at levels below the CRQL. Only samples containing these analytes at levels greater than ten times the contamination level of the method blank are reported without being qualified. 1,2,4-Trichlorobenzene was U-coded in sample -1.
Note: 1,2,4-Trichlorobenzene was previously J-coded due to internal standard outliers and excessive percent moisture content. This resulted in an overall UJ-code.

SDG No. G6BJ5 - Including Samples: -32 through -52

High recoveries were reported for 1,2-dichloropropane-d6 (control limits = 74% - 124%) in sample -34 (129%).
Methylcyclohexane was J-coded in sample -34. Although the analyte in question has been positively identified in the sample, the quantitation is an estimate (J-coded) due to high recovery of a surrogate analyte in this sample. The actual concentration for this analyte may be lower than the reported value.

Low recoveries were reported for 2-butanone-d5 (control limits = 20% - 182%) in sample -37 (9%); for 1,2-dichloroethane-d4 (control limits = 79% - 122%) in samples -41 (72%) and -47 (69%); for 2-hexanone-d5 (control limits = 17% - 184%) in sample -37 (16%); and for 1,2-dichlorobenzene-d4 (control limits = 70% - 131%) in sample -47 (67%).
Acetone and 2-butanone were J-coded in sample -37. Methyl acetate was J-coded in samples -41 and -47. Although the analytes in question have been positively identified in the samples, the quantitations are an estimate (J-coded) due to low recoveries of surrogate analytes in these samples. The actual concentration for these analytes may be higher than the reported values.
Carbon tetrachloride, 1,2-dibromomethane, 1,2-dichloroethane, methylene chloride, methyl tert-butyl ether, 1,1,1-trichloroethane, trichloroethene and 1,1,2-trifluorotrichloroethane were UJ-coded in samples -41 and -47. 2-Hexanone and 4-methyl-2-pentanone were UJ-coded in sample -37. Chlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,3-trichlorobenzene and 1,2,4-trichlorobenzene were UJ-coded in sample -47. These analytes were not found in the sample at or above the reporting limits; however, the reporting limits are an estimate (UJ-coded) due to low recoveries of surrogate analytes. The actual reporting limits for these analytes may be higher than the reported values.

Low recoveries were reported for chlorobenzene-d5 (control limits = 50% - 200%) in samples -36 (43%),-37 (47%), -41 (32%), -48 (49.9%) and -52 (44%); and for 1,4-dichlorobenzene (control limits = 50% - 200%) in samples -34 (30%), -35 (38%), -36 (22%), -37 (24%), -39 (32%), -40 (42%), -41 (20%), -42 (39%), -43 (35%), -44 (31%), -45 (38%), -46 (32%), -47 (32%), -48 (29%), -49 (41%), -51 (45%) and -52 (25%).

Analysis **Comments About Results For This Analysis**

2-Hexanone was J-coded in sample -36. Although the analyte in question has been positively identified in the sample, the quantitation is an estimate (J-coded) due to low internal standard response. The actual concentration for this analyte may be lower than the reported value.
Internal standards in samples -34, -35, -36, -37, -39, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -51 and -52 had unacceptable responses indicating that is was not possible to obtain valid results for the analytes associated with the internal standards cited above that were not detected in the samples. Results of 'N/A' were reported with R-codes for these analytes in these samples.

SDG No. G6BL6 - Including Samples: -3 through -8, -53 through -63

High recoveries were reported for 2-hexanone-d5 (control limits = 17% - 184%) in sample -63 (199%).
4-Methyl-2-pentanone was J-coded in sample -63. Although the analyte in question has been positively identified in the sample, the quantitation is an estimate (J-coded) due to high recovery of a surrogate analyte in this sample. The actual concentration for this analyte may be lower than the reported value.

Low recoveries were reported for chlorobenzene-d5 (control limits = 50% - 200%) in samples -4 (47%),-58 (35%), -59 (49%) and -63 (43%); and for 1,4-dichlorobenzene (control limits = 50% - 200%) in samples -4 (29%), -5 (30%), -6 (45%), -54 (48%), -55 (49%), -57 (35%), -58 (17%), -59 (32%), -60 (48%), -62 (38%) and -63 (24%).
4-Methyl-2-pentanone was J-coded in sample -63. Although the analyte in question has been positively identified in the sample, the quantitation is an estimate (J-coded) due to low internal standard response. The actual concentration for this analyte may be lower than the reported value.
Internal standards in samples -4, -5, -6, -54, -55, -57, -58, -59, -60, -62 and -63 had unacceptable responses indicating that is was not possible to obtain valid results for the analytes associated with the internal standards cited above that were not detected in the samples. Results of 'N/A' were reported with R-codes for these analytes in these samples.

SDG No. G6BJ6 - Including Samples: -9, -10, -11, -33, -64, -65 and -66

Low recovery was reported for 1,2-dichloroethane-d4 (control limits = 79% - 122%) in sample -66 (78%). Carbon tetrachloride, 1,2-dibromoethane, 1,2-dichloroethane, methyl acetate, methyl tert-butyl ether, methylene chloride, trichlorofluoromethane and 1,1,2-trichlorotrifluoroethane UJ-coded in sample -66. These analytes were not found in the sample at or above the reporting limits; however, the reporting limits are an estimate (UJ-coded) due to low recovery of the surrogate analyte. The actual reporting limits for these analytes may be higher than the reported values.

Low recoveries were reported for chlorobenzene-d5 (control limits = 50% - 200%) in sample -66 (41%); and for 1,4-dichlorobenzene (control limits = 50% - 200%) in samples -9 (40%), -10 (40%), -33 (43%), -64 (47%), -65 (34%) and -66 (26%).
Internal standards in samples -9, -10, -33, -64, -65 and -66 had unacceptable responses indicating that is was not possible to obtain valid results for the analytes associated with

Analysis **Comments About Results For This Analysis**

the internal standards cited above that were not detected in the samples. Results of 'N/A' were reported with R-codes for these analytes in these samples.

1 Volatile TPH in Soil by GC/MS

Lab: RASP Contract Lab (Out-Source)

Method: Similar to Volatile TPH by GC/MS (see comments)

Basis: Dry

Samples: 1-__ 2-__ 3-__ 4-__ 5-__ 6-__ 7-__
8-__ 9-__ 10-__ 11-__

Comments:
(N/A)

1 Flashpoint of Hazardous Samples

Lab: Region 7 EPA Laboratory - Kansas City, Ks.

Method: EPA Region 7 RLAB Method 3172.2D

Samples: 401-__ 402-__ 404-__ 405-__ 407-__ 408-__

Comments:
Flashpoint was L-coded in samples 401, 402, 404, 404-LD, 405, 407, and 408. The flashpoint of each sample was not observed within the range tested. Final results are accompanied by an L-code to indicate that the actual value is greater than the reported value (the highest temperature checked). Additionally, the following samples were analyzed outside of their respective 24 hr. holding times: 401 - (1 hrs. 57 min.); 404 - (3 hrs. 27 mins.); 405 - (1 hr. 27 mins.); 407 - (1 hr. 57 mins.).

1 Metals in Haz.Waste by ICP-AES

Lab: Region 7 ESAT Contract Lab (In-House)

Method: EPA Region 7 RLAB Method 3122.3D

Samples: 401-__ 402-__ 404-__ 405-__ 407-__ 408-__

Comments:
The samples had a dark yellow oily sheen apperance. Dilutions were made for samples 401 (10X), 402 (10X), 407 (10X), and 408 (10X) in an attempt to lessen the damage to the instrument. Reporting limits were raised accordingly.

1 PCBs in Hazardous by GC/EC

Lab: Region 7 ESAT Contract Lab (In-House)

Method: EPA Region 7 RLAB Method 3240.2H with Acid Cleanup

Analysis **Comments About Results For This Analysis**

Samples: 101-__ 102-__ 103-__ 104-__ 105-__ 106-__ 107-__
108-__ 109-__ 110-__

Comments:

2 PCBs in Hazardous by GC/EC

Lab: Region 7 ESAT Contract Lab (In-House)

Method: EPA Region 7 RLAB Method 3240.2H with Acid Cleanup

Samples: 401-__ 402-__ 404-__ 405-__ 407-__ 408-__

Comments:

1 PCBs in Wipe Samples by GC/EC

Lab: Region 7 EPA Laboratory - Kansas City, Ks.

Method: EPA Region 7 RLAB Method 3240.2H applied to a wipe sample

Samples: 301-__ 302-__ 303-__ 304-__ 305-__

Comments:
The field sheets for this activity for the wipe samples showed the area wiped as 100 cm. 100 cm2 is the normal area wiped. However on the field sheets someone had entirely scratched through what may have been the 2 on cm2. Additionally I question whether the area wiped was 100 cm2 due to the large size and number of wipes used and how extremely dirty they were. The surface area of one gauze used to wipe the surface was six times the area to be wiped. There were field samples where 3 of these large guazes were used, so that 18 times the surface the area to be wipe was used. It seems unlikely that only 100 cm2 was wiped, however the data is reported as if 100 cm2 was wiped. If it is discovered that the field sheets are mistaken the data will need to be changed.

Due to interferences that couldn't be entirely removed from the extracts, Aroclor 1260 couldn't be definitively identified. The results for Aroclor 1260 are raised reporting limits for field samples: 301, 302, and 305.

The method blank had a low level of contamination for Aroclor 1254. Any positive results less than ten times the blank contaminationis U coded. Therefore sample 303 was positive for Aroclor 1254 but was U coded due to blank contamination.

1 Semi-Volatile Organic Compounds in Hazardous Waste

Lab: Region 7 ESAT Contract Lab (In-House)

Method: EPA Region 7 RLAB Method 3230.2F

Samples: 401-__ 402-__ 404-__ 405-__ 407-__ 408-__

Comments:
4-Chloroaniline (64%, 80 - 120%) was biased low and was UJ-coded in samples 5104-401, 5104-402, 5104-404, 5104-405, 5104-407, and 5104-408. The analyte was not found in

Analysis **Comments About Results For This Analysis**

the samples at or above the reporting limit however, the reporting limit is an estimate (UJ-coded) due to the initial calibration verification standard not meeting accuracy specifications. The actual reporting limit for this analyte may be higher than the reported value.

4,6-Dinitro-2-methylphenol (58%, 70 - 130%) was low and was UJ-coded in samples 5104-401, 5104-402, 5104-404, 5104-405, 5104-407, and 5104-408. The analyte was not found in the samples at or above the reporting limit however, the reporting limit is an estimate (UJ-coded) due to the initial calibration verification standard not meeting linear regression back calculation accuracy specifications. The actual reporting limit for this analyte may be higher than the reported value.

1 TPH Semi-volatile in Hazardous Waste by GC/FID

Lab: Region 7 ESAT Contract Lab (In-House)

Method: EPA Region 7 RLAB Method 3270.1D

Samples: 401-__ 402-__ 404-__ 405-__ 407-__ 408-__

Comments:
Raw Data Evaluation:
Positive sample results did not exactly match the diesel pattern (hydrocarbon pattern extending from slightly less than C10 to C22 with the peak around C16). Samples 401, 402, 407, and 408 had hydrocarbon pattern in the range of motor oil (approximately C16 to C28 with the peak around C24). These sample chromatograms did resemble the typical motor oil chromatographic pattern.

1 VOCs in Liquid Hazardous Matrices by GC/MS

Lab: RASP Contract Lab (Out-Source)

Method: Similar to EPA Region 7 RLAB Method 3230.17C as applied to Liquid Waste (see comments)

Samples: 404-__ 405-__

Comments:
The MS &/or MSD recoveries for trichlorofluoromethane (85%/86%), methylene chloride (64%), trans-1,2-dichloroethene (69%), & carbon disulfide (82%) in sample 5104-404 were below their lower control limits of 101%, 77%, 84%, & 86%, respectively. Trichlorofluoromethane, methylene chloride, trans-1,2-dichloroethene, & carbon disulfide were UJ-coded in sample 5104-404. This analyte was not found in the sample at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to low recovery of this analyte in the laboratory matrix spike. The actual reporting limit for this analyte may be higher than the reported value.

The calculated MS/MSD RPD for methylene chloride (37%), trans-1,2-dichloroethene (41%), 2-hexanone (58%), 1,2-dibromo-3-chloropropane (38%), 2-butanone (63%), and 4-methyl-2-pentanone (50%) in sample 5104-404 exceeded the control limit of 35%. Methylene chloride, trans-1,2-dichloroethene, 2-hexanone, 1,2-dibromo-3-chloropropane, 2-butanone, and 4-methyl-2-pentanone were UJ-coded in sample 5104-404. This analyte was not found in the sample at or above the reporting limit, however, the reporting limit is

Analysis **Comments About Results For This Analysis**

an estimate (UJ-coded) due to poor precision obtained for this analyte in the laboratory matrix spike and matrix spike duplicate. The actual reporting limit for this analyte may be higher than the reported value.

The recovery for trichlorofluoromethane (82%) in both LCS samples was below the lower control limit of 83%. Trichlorofluoromethane was UJ-coded in samples 5104-404 & 5104-405. This analyte was not found in the samples at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to low recovery of this analyte in the laboratory control sample. The actual reporting limit for this analyte may be higher than the reported value.

1 VOCs in Solid Hazardous Matrices by GC/MS

Lab: RASP Contract Lab (Out-Source)

Method: Similar to EPA Region 7 RLAB Method 3230.17C (see comments)

Samples: 401-__ 402-__ 407-__ 408-__

Comments:

1 Volatile TPH in Liquid Waste by GC/MS

Lab: RASP Contract Lab (Out-Source)

Method: Similar to Volatile TPH in Liquid Waste by GC/MS (see comments)

Samples: 404-__ 405-__

Comments:
(N/A)

1 Volatile TPH in Solid Waste by GC/MS

Lab: RASP Contract Lab (Out-Source)

Method: Similar to Volatile TPH by GC/MS (see comments)

Samples: 401-__ 402-__ 407-__ 408-__

Comments:
(N/A)

1 Metals in Water by ICP/MS

Lab: Region 7 ESAT Contract Lab (In-House)

Method: EPA Region 7 RLAB Method 3123.1C

Samples: 201-__ 202-__ 203-__ 204-__ 205-__ 206-__ 207-__
212-FB

Comments:
Samples 201, 202, 203, 204, 205, 206, and 207 had sediment at the bottom of the cubitainers. Only the water portion was analyzed.

Analysis	Comments About Results For This Analysis

1 Pesticides in Water by GC/EC

Lab: Region 7 EPA Laboratory - Kansas City, Ks.

Method: EPA Region 7 RLAB Method 3240.2H

Samples: 201-__ 202-__ 203-__ 204-__ 205-__ 206-__ 207-__ 212-FB

Comments:
(N/A)

1 Semi-Volatile Organic Compounds in Water

Lab: Region 7 EPA Laboratory - Kansas City, Ks.

Method: EPA Region 7 RLAB Method 3230.2F

Samples: 201-__ 202-__ 203-__ 204-__ 205-__ 206-__ 207-__ 212-FB

Comments:
Sample 205 did not have sufficient volume to perform this analysis with the normal size sample aliquot. The reporting limits were therefore increased by a factor of 1.2 for all analytes.

Slight Bis(2-ethylhexyl)phthalate contamination was found in the laboratory method blank. Only samples containing this analyte at a level greater than ten times the contamination level of the blank are reported without being qualified. All samples that contained this analyte but at a level less than ten times the contamination in the blank have the result U-coded indicating that the reporting limit has been raised to the level found in the sample. Samples affected were: 201 and 212FB.

Dilutions were necessary in order to avoid instrument damage due to matrix interferences for samples 202 and 203. This increased the reporting limits by a factor of 5 for these samples.

2,4-Dinitrophenol and 4-Nitrophenol were UJ-coded in samples 201 - 207, and 212FB. These analytes were not found in the samples at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to the continuing calibration check not meeting accuracy specifications. The actual reporting limit for these analytes may be higher than the reported value.

All analytes except Benzoic Acid, Benzyl Alcohol, 4-Chloro-3-methylphenol, 2-Chlorophenol, 2,4-Dichlorophenol, 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, 2-Methylphenol, 4-Methylphenol, 2-Nitrophenol, 4-Nitrophenol, Pentachlorophenol, Phenol, 2,4,5-Trichlorophenol, and 2,4,6-Trichlorophenol were UJ-coded in sample 202. These analytes were not found in the sample at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to low recovery of the surrogate analytes. The actual reporting limit for these analytes may be higher than the reported value.

4,6-Dinitro-2-methyphenol and Pentachlorophenol were UJ-coded in sample 207. These analytes were not found in the sample at or above the reporting limit, however, the

Analysis **Comments About Results For This Analysis**

reporting limit is an estimate (UJ-coded) due to low recovery of these analytes in the laboratory matrix spike. The actual reporting limit for these analytes may be higher than the reported value.

1 Semi-Volatile TPH (DRO & ORO) in Water by GC/FID

Lab: RASP Contract Lab (Out-Source)

Method: Similar to Modified version of SW846 Method 8015 (see comments)

Samples: 201-__ 202-__ 203-__ 204-__ 205-__ 206-__ 207-__ 212-FB

Comments:
The sample container for this analysis for sample 5104-201 was received broken at the contract laboratory. The sample was lost and this analysis could not be performed. Results of 'N/A' were reported with an O-code.

The calculated MS/MSD RPD of 33% for TPH DRO in sample 5104-204 was above the control limit of 25%. TPH DRO was UJ-coded in sample 5104-204. This analyte was not found in the sample at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to poor precision obtained for this analyte in the laboratory matrix spike and matrix spike duplicate. The actual reporting limit for this analyte may be higher than the reported value.

1 TPH Volatiles in water by GC/MS

Lab: Region 7 EPA Laboratory - Kansas City, Ks.

Method: EPA Region 7 RLAB Method 3230.19B

Samples: 201-__ 202-__ 203-__ 204-__ 205-__ 206-__ 207-__ 212-FB 213-FB

Comments:
Sample 207 was determined to be improperly preserved when checked in the laboratory. TPH was not found at or above their reporting limit and was reported with a UJ-code indicating that the reporting limit is an estimated value. The actual reporting limit may be higher than the reported value. Sample was analyzed 11 days after collection.

Samples 212FB and 213FB were analyzed about 6hrs past the 14-day holding time. As data were not significantly affected data were not coded.

1 VOCs in Water by GC/MS for Low Detection Limits

Lab: Region 7 EPA Laboratory - Kansas City, Ks.

Method: EPA Region 7 RLAB Method 3230.13D

Samples: 201-__ 202-__ 203-__ 204-__ 205-__ 206-__ 207-__ 212-FB 213-FB

Comments:
Sample 207 was not properly preserved to a pH of less than 2. As it was analyzed within 7 days of collection, no data were coded.

Analysis	Comments About Results For This Analysis
	Acetone was J-coded in samples 202 and 203. Although the analyte in question has been positively identified in the samples, the quantitation is an estimate (J-coded) due to the continuing calibration check not meeting accuracy specifications. The actual concentration for this analyte may be lower than the reported value.

Analysis/ Analyte	Units	1-__	2-__	3-__	4-__
1 Metals in Solids by ICP-AES					
Aluminum	mg/kg	3860	14900	4510	10700
Antimony	mg/kg	44.6 U	7.9 UJ	5.7 U	6.5 U
Arsenic	mg/kg	38.4	9.9 J	3.0	3.2
Barium	mg/kg	2070	278	121	161
Beryllium	mg/kg	3.7 U	1.1	0.48 U	0.66
Cadmium	mg/kg	3.7 UJ	0.66 UJ	0.48 U	0.54 U
Calcium	mg/kg	166000	9440	217000	4770
Chromium	mg/kg	160	16.9	6.8	13.4
Cobalt	mg/kg	37.2 U	16.4	4.8 U	5.6
Copper	mg/kg	1010	26.9	15.1	15.5
Iron	mg/kg	108000	21500	8300	13800
Lead	mg/kg	52.7	21.7	5.1	39.0
Magnesium	mg/kg	3720 U	5080	3230	2410
Manganese	mg/kg	14000	1680	496	265
Nickel	mg/kg	29.7 U	33.7	9.8	17.1
Potassium	mg/kg	3720 U	1690	724 U	1450
Selenium	mg/kg	26.0 U	4.6 U	3.3 U	3.8 U
Silver	mg/kg	7.4 U	1.3 U	0.95 U	1.1 U
Sodium	mg/kg	3720 U	655 UJ	477 U	543 U
Thallium	mg/kg	18.6 U	3.3 U	2.4 U	2.7 U
Vanadium	mg/kg	37.2 U	27.4	9.0	21.8
Zinc	mg/kg	2560	285 J	214	87.4
1 PCBs in Soil by GC/EC					
Aroclor 1016	ug/kg	3000 UJ	42 U	36 U	73 U
Aroclor 1221	ug/kg	3000 UJ	42 U	36 U	73 U
Aroclor 1232	ug/kg	3000 UJ	42 U	36 U	73 U
Aroclor 1242	ug/kg	160000 J	42 U	36 U	73 U
Aroclor 1248	ug/kg	3000 UJ	42 U	36 U	73 U
Aroclor 1254	ug/kg	3000 UJ	42 U	36 U	73 U
Aroclor 1260	ug/kg	3000 UJ	42 U	36 U	73 U
Aroclor 1262	ug/kg	3000 UJ	42 U	36 U	73 U
Aroclor 1268	ug/kg	3000 UJ	42 U	36 U	73 U
1 Semi-Volatile Organic Compounds in Soil					
Acenaphthene	ug/kg	1600 UJ	220 U	190 U	380 U
Acenaphthylene	ug/kg	1600 UJ	220 U	190 U	380 U
Acetophenone	ug/kg	1600 UJ	220 U	190 U	380 U
Anthracene	ug/kg	1600 UJ	220 U	190 U	380 U
Atrazine	ug/kg	1600 UJ	220 U	190 U	380 U
Benzaldehyde	ug/kg	1600 UJ	220 U	190 U	380 U
Benzo(a)anthracene	ug/kg	1600 UJ	220 U	190 U	380 U
Benzo(a)pyrene	ug/kg	1600 UJ	220 U	190 U	380 U
Benzo(b)fluoranthene	ug/kg	1600 UJ	220 U	190 U	380 U
Benzo(g,h,i)perylene	ug/kg	1600 UJ	220 UJ	190 U	380 UJ
Benzo(k)fluoranthene	ug/kg	1600 UJ	220 U	190 U	380 U
Biphenyl	ug/kg	1600 UJ	220 U	190 U	380 U

Analysis/ Analyte	Units	1-__	2-__	3-__	4-__
bis(2-Chloroethoxy)methane	ug/kg	1600 UJ	220 U	190 U	380 U
bis(2-Chloroethyl)ether	ug/kg	1600 UJ	220 U	190 U	380 U
bis(2-Chloroisopropyl)ether	ug/kg	1600 UJ	220 U	190 U	380 U
bis(2-Ethylhexyl)phthalate	ug/kg	2700 J	220 U	190 U	380 U
4-Bromophenyl-phenylether	ug/kg	1600 UJ	220 U	190 U	380 U
Butylbenzylphthalate	ug/kg	1600 UJ	220 U	190 U	380 U
Caprolactam	ug/kg	1600 UJ	220 U	190 U	380 U
Carbazole	ug/kg	1600 UJ	220 U	190 U	380 U
4-Chloro-3-methylphenol	ug/kg	1600 UJ	220 U	190 U	380 U
4-Chloroaniline	ug/kg	1600 UJ	220 U	190 U	380 U
2-Chloronaphthalene	ug/kg	1600 UJ	220 U	190 U	380 U
2-Chlorophenol	ug/kg	1600 UJ	220 U	190 U	380 U
4-Chlorophenyl-phenylether	ug/kg	1600 UJ	220 U	190 U	380 U
Chrysene	ug/kg	1600 UJ	220 U	190 U	380 U
Di-n-butylphthalate	ug/kg	1600 UJ	220 U	190 U	380 U
Di-n-octylphthalate	ug/kg	1600 UJ	220 U	190 U	380 U
Dibenz(a,h)anthracene	ug/kg	1600 UJ	220 UJ	190 U	380 UJ
Dibenzofuran	ug/kg	1600 UJ	220 U	190 U	380 U
3,3'-Dichlorobenzidine	ug/kg	1600 UJ	220 U	190 U	380 U
2,4-Dichlorophenol	ug/kg	1600 UJ	220 U	190 U	380 U
Diethylphthalate	ug/kg	1600 UJ	220 U	190 U	380 U
2,4-Dimethylphenol	ug/kg	1600 UJ	220 U	190 U	380 U
Dimethylphthalate	ug/kg	1600 UJ	220 U	190 U	380 U
4,6-Dinitro-2-methylphenol	ug/kg	3100 UJ	420 U	360 U	730 U
2,4-Dinitrophenol	ug/kg	3100 UJ	420 U	360 U	730 UJ
2,4-Dinitrotoluene	ug/kg	1600 UJ	220 U	190 U	380 U
2,6-Dinitrotoluene	ug/kg	1600 UJ	220 U	190 U	380 U
Fluoranthene	ug/kg	1600 UJ	220 U	190 U	380 U
Fluorene	ug/kg	1600 UJ	220 U	190 U	380 U
Hexachlorobenzene	ug/kg	1600 UJ	220 U	190 U	380 U
Hexachlorobutadiene	ug/kg	1600 UJ	220 U	190 U	380 U
Hexachlorocyclopentadiene	ug/kg	1600 UJ	220 UJ	190 U	380 U
Hexachloroethane	ug/kg	1600 UJ	220 U	190 U	380 U
Indeno(1,2,3-cd)pyrene	ug/kg	1600 UJ	220 UJ	190 U	380 UJ
Isophorone	ug/kg	1600 UJ	220 U	190 U	380 U
2-Methylnaphthalene	ug/kg	1600 UJ	220 U	190 U	380 U
2-Methylphenol	ug/kg	1600 UJ	220 U	190 U	380 U
4-Methylphenol	ug/kg	1600 UJ	220 U	190 U	380 U
Naphthalene	ug/kg	1600 UJ	220 U	190 U	380 U
2-Nitroaniline	ug/kg	3100 UJ	420 U	360 U	730 U
3-Nitroaniline	ug/kg	3100 UJ	420 U	360 U	730 U
4-Nitroaniline	ug/kg	3100 UJ	420 U	360 U	730 U
Nitrobenzene	ug/kg	1600 UJ	220 U	190 U	380 U
2-Nitrophenol	ug/kg	1600 UJ	220 U	190 U	380 U
4-Nitrophenol	ug/kg	3100 UJ	420 U	360 U	730 U

Analysis/ Analyte	Units	1-__	2-__	3-__	4-__
N-nitroso-di-n-propylamine	ug/kg	1600 UJ	220 U	190 U	380 U
N-nitrosodiphenylamine	ug/kg	1600 UJ	220 U	190 U	380 U
Pentachlorophenol	ug/kg	3100 UJ	420 U	360 U	730 U
Phenanthrene	ug/kg	1600 UJ	220 U	190 U	380 U
Phenol	ug/kg	1600 UJ	220 U	190 U	380 U
Pyrene	ug/kg	1600 UJ	220 U	190 U	380 U
1,2,4,5-Tetrachlorobenzene	ug/kg	1600 UJ	220 U	190 U	380 U
2,4,5-Trichlorophenol	ug/kg	1600 UJ	220 U	190 U	380 U
2,4,6-Trichlorophenol	ug/kg	1600 UJ	220 U	190 U	380 U
1 Semi-Volatile TPH (DRO & ORO) in Soil by GC/FID					
TPH DRO	mg/kg	989	5.3 U	4.6 U	33.3
TPH ORO	mg/kg	8890	89.3 U	76.9 U	425
1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap					
Acetone	ug/kg	2900 J	11 U	9.6 U	120
Benzene	ug/kg	N/A R	5.7 U	4.8 U	N/A R
Bromochloromethane	ug/kg	N/A R	5.7 U	4.8 U	14 U
Bromodichloromethane	ug/kg	N/A R	5.7 U	4.8 U	N/A R
Bromoform	ug/kg	N/A R	5.7 U	4.8 U	N/A R
Bromomethane	ug/kg	N/A R	5.7 U	4.8 U	14 U
2-Butanone	ug/kg	380 J	11 U	9.6 U	29 U
Carbon Disulfide	ug/kg	300 J	5.7 U	4.8 U	14 U
Carbon Tetrachloride	ug/kg	N/A R	5.7 U	4.8 U	N/A R
Chlorobenzene	ug/kg	N/A R	5.7 U	4.8 U	N/A R
Chloroethane	ug/kg	N/A R	5.7 U	4.8 U	14 U
Chloroform	ug/kg	N/A R	5.7 U	4.8 U	14 U
Chloromethane	ug/kg	N/A R	5.7 U	4.8 U	14 U
Cyclohexane	ug/kg	N/A R	5.7 U	5.4	N/A R
1,2-Dibromo-3-Chloropropane	ug/kg	N/A R	5.7 U	4.8 U	N/A R
Dibromochloromethane	ug/kg	N/A R	5.7 U	4.8 U	N/A R
1,2-Dibromoethane	ug/kg	N/A R	5.7 U	4.8 U	N/A R
1,2-Dichlorobenzene	ug/kg	N/A R	5.7 U	4.8 U	N/A R
1,3-Dichlorobenzene	ug/kg	N/A R	5.7 U	4.8 U	N/A R
1,4-Dichlorobenzene	ug/kg	N/A R	5.7 U	4.8 U	N/A R
Dichlorodifluoromethane	ug/kg	N/A R	5.7 U	4.8 U	14 U
1,1-Dichloroethane	ug/kg	N/A R	5.7 U	6.5	14 U
1,2-Dichloroethane	ug/kg	N/A R	5.7 U	4.8 U	14 U
1,1-Dichloroethene	ug/kg	N/A R	5.7 U	4.8 U	14 U
cis-1,2-Dichloroethene	ug/kg	N/A R	5.7 U	4.8 U	14 U
trans-1,2-Dichloroethene	ug/kg	N/A R	5.7 U	4.8 U	14 U
1,2-Dichloropropane	ug/kg	N/A R	5.7 U	4.8 U	N/A R
cis-1,3-Dichloropropene	ug/kg	N/A R	5.7 U	4.8 U	N/A R
trans-1,3-Dichloropropene	ug/kg	N/A R	5.7 U	4.8 U	N/A R
Ethyl Benzene	ug/kg	N/A R	5.7 U	4.8 U	N/A R
2-Hexanone	ug/kg	N/A R	11 U	9.6 U	N/A R
Isopropylbenzene	ug/kg	N/A R	5.7 U	4.8 U	N/A R

Analysis/ Analyte	Units	1-__	2-__	3-__	4-__
Methyl Acetate	ug/kg	N/A R	5.7 U	4.8 U	14 U
Methyl tert-butyl ether	ug/kg	N/A R	5.7 U	4.8 U	14 U
Methylcyclohexane	ug/kg	N/A R	5.7 U	8.0	N/A R
Methylene Chloride	ug/kg	N/A R	5.7 U	4.8 U	14 U
4-Methyl-2-Pentanone	ug/kg	N/A R	11 U	9.6 U	N/A R
Styrene	ug/kg	N/A R	5.7 U	4.8 U	N/A R
1,1,2,2-Tetrachloroethane	ug/kg	N/A R	5.7 U	4.8 U	N/A R
Tetrachloroethene	ug/kg	N/A R	5.7 U	4.8 U	N/A R
Toluene	ug/kg	N/A R	5.7 U	4.8 U	N/A R
1,2,3-Trichlorobenzene	ug/kg	N/A J	5.7 U	4.8 U	N/A R
1,2,4-Trichlorobenzene	ug/kg	110 UJ	5.7 U	4.8 U	N/A R
1,1,1-Trichloroethane	ug/kg	N/A R	5.7 U	4.8 U	N/A R
1,1,2-Trichloroethane	ug/kg	N/A R	5.7 U	4.8 U	N/A R
Trichloroethene	ug/kg	N/A R	5.7 U	4.8 U	N/A R
Trichlorofluoromethane	ug/kg	N/A R	5.7 U	4.8 U	14 U
1,1,2-Trichlorotrifluoroethane	ug/kg	N/A R	5.7 U	4.8 U	14 U
Vinyl Chloride	ug/kg	N/A R	5.7 U	4.8 U	14 U
m and/or p-Xylene	ug/kg	N/A R	5.7 U	4.8 U	N/A R
o-Xylene	ug/kg	N/A R	5.7 U	4.8 U	N/A R
1 Volatile TPH in Soil by GC/MS					
TPH GRO	mg/kg	11.1 U	2.7 U	2.3 U	4.4 U

Analysis/ Analyte	Units	5-__	6-__	7-__	8-__
1 Metals in Solids by ICP-AES					
Aluminum	mg/kg	11800	12200	8810	8020
Antimony	mg/kg	10.3 U	8.6 U	6.8 U	6.3 U
Arsenic	mg/kg	6.2	9.4	5.6	11.4
Barium	mg/kg	233	236	157	228
Beryllium	mg/kg	0.86 U	0.72	0.57 U	0.70
Cadmium	mg/kg	0.86 U	0.72 U	0.57 U	0.52 U
Calcium	mg/kg	4750	3930	2630	3800
Chromium	mg/kg	15.1	16.0	11.4	10.6
Cobalt	mg/kg	8.6 U	10.9	8.6	12.5
Copper	mg/kg	38.9	16.3	11.7	11.1
Iron	mg/kg	22100	19100	12800	18300
Lead	mg/kg	14.7	29.0	11.3	17.1
Magnesium	mg/kg	2450	2570	1940	1870
Manganese	mg/kg	505	1030	391	1240
Nickel	mg/kg	18.5	21.0	17.0	19.4
Potassium	mg/kg	2280	1580	1250	985 U
Selenium	mg/kg	6.0 U	5.0 U	4.0 U	3.7 U
Silver	mg/kg	1.7 U	1.4 U	1.1 U	1.0 U
Sodium	mg/kg	856 U	719 U	566 U	521 U
Thallium	mg/kg	4.3 U	3.6 U	2.8 U	2.6 U
Vanadium	mg/kg	26.4	29.8	21.0	24.1
Zinc	mg/kg	201	104	76.1	57.6
1 PCBs in Soil by GC/EC					
Aroclor 1016	ug/kg	68 U	47 U	44 U	49 U
Aroclor 1221	ug/kg	68 U	47 U	44 U	49 U
Aroclor 1232	ug/kg	68 U	47 U	44 U	49 U
Aroclor 1242	ug/kg	68 U	47 U	44 U	49 U
Aroclor 1248	ug/kg	220 J	47 U	46 J	49 U
Aroclor 1254	ug/kg	68 U	47 U	44 U	49 U
Aroclor 1260	ug/kg	68 U	47 U	44 U	49 U
Aroclor 1262	ug/kg	68 U	47 U	44 U	49 U
Aroclor 1268	ug/kg	68 U	47 U	44 U	49 U
1 Semi-Volatile Organic Compounds in Soil					
Acenaphthene	ug/kg	340 U	250 U	230 U	250 U
Acenaphthylene	ug/kg	340 U	250 U	230 U	250 U
Acetophenone	ug/kg	340 U	250 U	230 U	250 U
Anthracene	ug/kg	340 U	250 U	230 U	250 U
Atrazine	ug/kg	340 U	250 U	230 U	250 U
Benzaldehyde	ug/kg	340 U	250 U	230 U	250 U
Benzo(a)anthracene	ug/kg	340 U	250 U	230 U	250 U
Benzo(a)pyrene	ug/kg	340 U	250 U	230 U	250 U
Benzo(b)fluoranthene	ug/kg	340 U	250 U	230 U	250 U
Benzo(g,h,i)perylene	ug/kg	340 UJ	250 U	230 U	250 U
Benzo(k)fluoranthene	ug/kg	340 U	250 U	230 U	250 U
Biphenyl	ug/kg	340 U	250 U	230 U	250 U

Analysis/ Analyte	Units	5-__	6-__	7-__	8-__
bis(2-Chloroethoxy)methane	ug/kg	340 U	250 U	230 U	250 U
bis(2-Chloroethyl)ether	ug/kg	340 U	250 U	230 U	250 U
bis(2-Chloroisopropyl)ether	ug/kg	340 U	250 U	230 U	250 U
bis(2-Ethylhexyl)phthalate	ug/kg	340 U	250 U	230 U	250 U
4-Bromophenyl-phenylether	ug/kg	340 U	250 U	230 U	250 U
Butylbenzylphthalate	ug/kg	340 U	250 U	230 U	250 U
Caprolactam	ug/kg	340 U	250 U	230 U	250 U
Carbazole	ug/kg	340 U	250 U	230 U	250 U
4-Chloro-3-methylphenol	ug/kg	340 U	250 U	230 U	250 U
4-Chloroaniline	ug/kg	340 U	250 U	230 U	250 U
2-Chloronaphthalene	ug/kg	340 U	250 U	230 U	250 U
2-Chlorophenol	ug/kg	340 U	250 U	230 U	250 U
4-Chlorophenyl-phenylether	ug/kg	340 U	250 U	230 U	250 U
Chrysene	ug/kg	340 U	250 U	230 U	250 U
Di-n-butylphthalate	ug/kg	340 U	250 U	230 U	250 U
Di-n-octylphthalate	ug/kg	340 U	250 U	230 U	250 U
Dibenz(a,h)anthracene	ug/kg	340 UJ	250 U	230 U	250 U
Dibenzofuran	ug/kg	340 U	250 U	230 U	250 U
3,3'-Dichlorobenzidine	ug/kg	340 U	250 U	230 U	250 U
2,4-Dichlorophenol	ug/kg	340 U	250 U	230 U	250 U
Diethylphthalate	ug/kg	340 U	250 U	230 U	250 U
2,4-Dimethylphenol	ug/kg	340 U	250 U	230 U	250 U
Dimethylphthalate	ug/kg	340 U	250 U	230 U	250 U
4,6-Dinitro-2-methylphenol	ug/kg	660 U	480 U	450 U	490 U
2,4-Dinitrophenol	ug/kg	660 UJ	480 U	450 U	490 U
2,4-Dinitrotoluene	ug/kg	340 U	250 U	230 U	250 U
2,6-Dinitrotoluene	ug/kg	340 U	250 U	230 U	250 U
Fluoranthene	ug/kg	340 U	250 U	230 U	250 U
Fluorene	ug/kg	340 U	250 U	230 U	250 U
Hexachlorobenzene	ug/kg	340 U	250 U	230 U	250 U
Hexachlorobutadiene	ug/kg	340 U	250 U	230 U	250 U
Hexachlorocyclopentadiene	ug/kg	340 U	250 U	230 U	250 U
Hexachloroethane	ug/kg	340 U	250 U	230 U	250 U
Indeno(1,2,3-cd)pyrene	ug/kg	340 UJ	250 U	230 U	250 U
Isophorone	ug/kg	340 U	250 U	230 U	250 U
2-Methylnaphthalene	ug/kg	340 U	250 U	230 U	250 U
2-Methylphenol	ug/kg	340 U	250 U	230 U	250 U
4-Methylphenol	ug/kg	340 U	250 U	230 U	250 U
Naphthalene	ug/kg	340 U	250 U	230 U	250 U
2-Nitroaniline	ug/kg	660 U	480 U	450 U	490 U
3-Nitroaniline	ug/kg	660 U	480 U	450 U	490 U
4-Nitroaniline	ug/kg	660 U	480 U	450 U	490 U
Nitrobenzene	ug/kg	340 U	250 U	230 U	250 U
2-Nitrophenol	ug/kg	340 U	250 U	230 U	250 U
4-Nitrophenol	ug/kg	660 U	480 U	450 U	490 U

Analysis/ Analyte	Units	5-__	6-__	7-__	8-__
N-nitroso-di-n-propylamine	ug/kg	340 U	250 U	230 U	250 U
N-nitrosodiphenylamine	ug/kg	340 U	250 U	230 U	250 U
Pentachlorophenol	ug/kg	660 U	480 U	450 U	490 U
Phenanthrene	ug/kg	340 U	250 U	230 U	250 U
Phenol	ug/kg	340 U	250 U	230 U	250 U
Pyrene	ug/kg	340 U	250 U	230 U	250 U
1,2,4,5-Tetrachlorobenzene	ug/kg	340 U	250 U	230 U	250 U
2,4,5-Trichlorophenol	ug/kg	340 U	250 U	230 U	250 U
2,4,6-Trichlorophenol	ug/kg	340 U	250 U	230 U	250 U
1 Semi-Volatile TPH (DRO & ORO) in Soil by GC/FID					
TPH DRO	mg/kg	8.8	5.7 U	5.4 U	5 U
TPH ORO	mg/kg	326	95 U	90.7 U	91.2
1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap					
Acetone	ug/kg	130	12 U	40	34
Benzene	ug/kg	13 U	6.1 U	6.7 U	8.8 U
Bromochloromethane	ug/kg	13 U	6.1 U	6.7 U	8.8 U
Bromodichloromethane	ug/kg	13 U	6.1 U	6.7 U	8.8 U
Bromoform	ug/kg	N/A R	N/A R	6.7 U	8.8 U
Bromomethane	ug/kg	13 U	6.1 U	6.7 U	8.8 U
2-Butanone	ug/kg	26 U	12 U	13 U	18 U
Carbon Disulfide	ug/kg	13 U	6.1 U	6.7 U	8.8 U
Carbon Tetrachloride	ug/kg	13 U	6.1 U	6.7 U	8.8 U
Chlorobenzene	ug/kg	13 U	6.1 U	6.7 U	8.8 U
Chloroethane	ug/kg	13 U	6.1 U	6.7 U	8.8 U
Chloroform	ug/kg	13 U	6.1 U	6.7 U	8.8 U
Chloromethane	ug/kg	13 U	6.1 U	6.7 U	8.8 U
Cyclohexane	ug/kg	13 U	6.1 U	6.7 U	8.8 U
1,2-Dibromo-3-Chloropropane	ug/kg	N/A R	N/A R	6.7 U	8.8 U
Dibromochloromethane	ug/kg	13 U	6.1 U	6.7 U	8.8 U
1,2-Dibromoethane	ug/kg	13 U	6.1 U	6.7 U	8.8 U
1,2-Dichlorobenzene	ug/kg	N/A R	N/A R	6.7 U	8.8 U
1,3-Dichlorobenzene	ug/kg	N/A R	N/A R	6.7 U	8.8 U
1,4-Dichlorobenzene	ug/kg	N/A R	N/A R	6.7 U	8.8 U
Dichlorodifluoromethane	ug/kg	13 U	6.1 U	6.7 U	8.8 U
1,1-Dichloroethane	ug/kg	13 U	6.1 U	6.7 U	8.8 U
1,2-Dichloroethane	ug/kg	13 U	6.1 U	6.7 U	8.8 U
1,1-Dichloroethene	ug/kg	13 U	6.1 U	6.7 U	8.8 U
cis-1,2-Dichloroethene	ug/kg	13 U	6.1 U	6.7 U	8.8 U
trans-1,2-Dichloroethene	ug/kg	13 U	6.1 U	6.7 U	8.8 U
1,2-Dichloropropane	ug/kg	13 U	6.1 U	6.7 U	8.8 U
cis-1,3-Dichloropropene	ug/kg	13 U	6.1 U	6.7 U	8.8 U
trans-1,3-Dichloropropene	ug/kg	13 U	6.1 U	6.7 U	8.8 U
Ethyl Benzene	ug/kg	13 U	6.1 U	6.7 U	8.8 U
2-Hexanone	ug/kg	26 U	12 U	13 U	18 U
Isopropylbenzene	ug/kg	13 U	6.1 U	6.7 U	8.8 U

Analysis/ Analyte	Units	5-__	6-__	7-__	8-__
Methyl Acetate	ug/kg	110	6.1 U	8.4	11
Methyl tert-butyl ether	ug/kg	13 U	6.1 U	6.7 U	8.8 U
Methylcyclohexane	ug/kg	13 U	6.1 U	6.7 U	8.8 U
Methylene Chloride	ug/kg	13 U	6.1 U	6.7 U	8.8 U
4-Methyl-2-Pentanone	ug/kg	26 U	12 U	13 U	18 U
Styrene	ug/kg	13 U	6.1 U	6.7 U	8.8 U
1,1,2,2-Tetrachloroethane	ug/kg	13 U	N/A R	6.7 U	8.8 U
Tetrachloroethene	ug/kg	13 U	6.1 U	6.7 U	8.8 U
Toluene	ug/kg	21	6.1 U	6.7 U	8.8 U
1,2,3-Trichlorobenzene	ug/kg	N/A R	N/A R	6.7 U	8.8 U
1,2,4-Trichlorobenzene	ug/kg	N/A R	N/A R	6.7 U	8.8 U
1,1,1-Trichloroethane	ug/kg	13 U	6.1 U	6.7 U	8.8 U
1,1,2-Trichloroethane	ug/kg	13 U	6.1 U	6.7 U	8.8 U
Trichloroethene	ug/kg	13 U	6.1 U	6.7 U	8.8 U
Trichlorofluoromethane	ug/kg	13 U	6.1 U	6.7 U	8.8 U
1,1,2-Trichlorotrifluoroethane	ug/kg	13 U	6.1 U	6.7 U	8.8 U
Vinyl Chloride	ug/kg	13 U	6.1 U	6.7 U	8.8 U
m and/or p-Xylene	ug/kg	13 U	6.1 U	6.7 U	8.8 U
o-Xylene	ug/kg	13 U	6.1 U	6.7 U	8.8 U
1 Volatile TPH in Soil by GC/MS					
TPH GRO	mg/kg	3.6 U	2.8 U	2.7 U	2.5 U

Analysis/ Analyte	Units	9-__	10-__	11-__	14-__
1 Metals in Solids by ICP-AES					
Aluminum	mg/kg	8100	7450	10900	22100
Antimony	mg/kg	7.4 U	6.8 U	5.5 UJ	29.5
Arsenic	mg/kg	7.3	5.7	10.0	6.6
Barium	mg/kg	170	160	202	121
Beryllium	mg/kg	0.62 U	0.57 U	0.58	0.49 U
Cadmium	mg/kg	0.62 UJ	0.57 UJ	0.46 UJ	1.7
Calcium	mg/kg	2970	2690	3630	208000
Chromium	mg/kg	10.2	9.4	10.4	3710
Cobalt	mg/kg	8.2	7.3	9.1	32.7
Copper	mg/kg	11.7	11.3	15.4	1030
Iron	mg/kg	13200	11500	17000	48100
Lead	mg/kg	11.1	9.8	10.1	50.0
Magnesium	mg/kg	1720	1610	2640	5400
Manganese	mg/kg	802	662	1020	1080
Nickel	mg/kg	15.7	14.5	24.0	2120
Potassium	mg/kg	1040	962	1240	494 U
Selenium	mg/kg	4.3 U	4.0 U	3.2 U	3.5 U
Silver	mg/kg	1.2 UJ	1.1 UJ	0.91 UJ	0.99 U
Sodium	mg/kg	615 U	566 U	456 UJ	494 U
Thallium	mg/kg	3.1 U	2.8 U	2.3 U	2.5 U
Vanadium	mg/kg	21.3	18.2	25.3	29.1
Zinc	mg/kg	52.4	45.9	68.8	43000
1 PCBs in Soil by GC/EC					
Aroclor 1016	ug/kg	55 U	51 U	43 U	33 U
Aroclor 1221	ug/kg	55 U	51 U	43 U	33 U
Aroclor 1232	ug/kg	55 U	51 U	43 U	33 U
Aroclor 1242	ug/kg	55 U	51 U	43 U	33 U
Aroclor 1248	ug/kg	55 U	51 U	43 U	870
Aroclor 1254	ug/kg	55 U	51 U	43 U	33 U
Aroclor 1260	ug/kg	55 U	51 U	43 U	33 U
Aroclor 1262	ug/kg	55 U	51 U	43 U	33 U
Aroclor 1268	ug/kg	55 U	51 U	43 U	33 U
1 Semi-Volatile Organic Compounds in Soil					
Acenaphthene	ug/kg	280 U	260 U	210 U	170 U
Acenaphthylene	ug/kg	280 U	260 U	210 U	170 U
Acetophenone	ug/kg	280 U	260 U	210 U	170 U
Anthracene	ug/kg	280 U	260 U	210 U	170 U
Atrazine	ug/kg	280 U	260 U	210 U	170 U
Benzaldehyde	ug/kg	280 U	260 U	210 U	170 U
Benzo(a)anthracene	ug/kg	280 U	260 U	210 U	510 J
Benzo(a)pyrene	ug/kg	280 U	260 U	210 U	620
Benzo(b)fluoranthene	ug/kg	280 U	260 U	210 U	1000
Benzo(g,h,i)perylene	ug/kg	280 UJ	260 UJ	210 UJ	170 J
Benzo(k)fluoranthene	ug/kg	280 U	260 U	210 U	730
Biphenyl	ug/kg	280 U	260 U	210 U	170 U

Analysis/ Analyte	Units	9-__	10-__	11-__	14-__
bis(2-Chloroethoxy)methane	ug/kg	280 U	260 U	210 U	170 U
bis(2-Chloroethyl)ether	ug/kg	280 U	260 U	210 U	170 U
bis(2-Chloroisopropyl)ether	ug/kg	280 U	260 U	210 U	170 U
bis(2-Ethylhexyl)phthalate	ug/kg	280 U	260 U	210 U	190
4-Bromophenyl-phenylether	ug/kg	280 U	260 U	210 U	170 U
Butylbenzylphthalate	ug/kg	280 U	260 U	210 U	170 U
Caprolactam	ug/kg	280 U	260 U	210 U	170 U
Carbazole	ug/kg	280 U	260 U	210 U	170 U
4-Chloro-3-methylphenol	ug/kg	280 U	260 U	210 U	170 U
4-Chloroaniline	ug/kg	280 U	260 U	210 U	170 U
2-Chloronaphthalene	ug/kg	280 U	260 U	210 U	170 U
2-Chlorophenol	ug/kg	280 U	260 U	210 U	170 U
4-Chlorophenyl-phenylether	ug/kg	280 U	260 U	210 U	170 U
Chrysene	ug/kg	280 U	260 U	210 U	780 J
Di-n-butylphthalate	ug/kg	280 U	260 U	210 U	170 U
Di-n-octylphthalate	ug/kg	280 U	260 U	210 U	170 U
Dibenz(a,h)anthracene	ug/kg	280 UJ	260 UJ	210 UJ	170 UJ
Dibenzofuran	ug/kg	280 U	260 U	210 U	170 U
3,3'-Dichlorobenzidine	ug/kg	280 U	260 U	210 U	170 U
2,4-Dichlorophenol	ug/kg	280 U	260 U	210 U	170 U
Diethylphthalate	ug/kg	280 U	260 U	210 U	170 U
2,4-Dimethylphenol	ug/kg	280 U	260 U	210 U	170 U
Dimethylphthalate	ug/kg	280 U	260 U	210 U	170 U
4,6-Dinitro-2-methylphenol	ug/kg	540 U	510 U	420 U	330 U
2,4-Dinitrophenol	ug/kg	540 UJ	510 UJ	420 UJ	330 U
2,4-Dinitrotoluene	ug/kg	280 U	260 U	210 U	170 U
2,6-Dinitrotoluene	ug/kg	280 U	260 U	210 U	170 U
Fluoranthene	ug/kg	280 U	260 U	210 U	1600 J
Fluorene	ug/kg	280 U	260 U	210 U	170 U
Hexachlorobenzene	ug/kg	280 U	260 U	210 U	170 U
Hexachlorobutadiene	ug/kg	280 U	260 U	210 U	170 U
Hexachlorocyclopentadiene	ug/kg	280 UJ	260 UJ	210 UJ	170 UJ
Hexachloroethane	ug/kg	280 U	260 U	210 U	170 U
Indeno(1,2,3-cd)pyrene	ug/kg	280 UJ	260 UJ	210 UJ	180 J
Isophorone	ug/kg	280 U	260 U	210 U	170 U
2-Methylnaphthalene	ug/kg	280 U	260 U	210 U	170 U
2-Methylphenol	ug/kg	280 U	260 U	210 U	170 U
4-Methylphenol	ug/kg	280 U	260 U	210 U	170 U
Naphthalene	ug/kg	280 U	260 U	210 U	170 U
2-Nitroaniline	ug/kg	540 U	510 U	420 U	330 U
3-Nitroaniline	ug/kg	540 U	510 U	420 U	330 U
4-Nitroaniline	ug/kg	540 U	510 U	420 U	330 U
Nitrobenzene	ug/kg	280 U	260 U	210 U	170 U
2-Nitrophenol	ug/kg	280 U	260 U	210 U	170 U
4-Nitrophenol	ug/kg	540 U	510 U	420 U	330 U

Analysis/ Analyte	Units	9-__	10-__	11-__	14-__
N-nitroso-di-n-propylamine	ug/kg	280 U	260 U	210 U	170 U
N-nitrosodiphenylamine	ug/kg	280 U	260 U	210 U	170 U
Pentachlorophenol	ug/kg	540 U	510 U	420 U	330 U
Phenanthrene	ug/kg	280 U	260 U	210 U	550
Phenol	ug/kg	280 U	260 U	210 U	170 U
Pyrene	ug/kg	280 U	260 U	210 U	670 J
1,2,4,5-Tetrachlorobenzene	ug/kg	280 U	260 U	210 U	170 U
2,4,5-Trichlorophenol	ug/kg	280 U	260 U	210 U	170 U
2,4,6-Trichlorophenol	ug/kg	280 U	260 U	210 U	170 U
1 Semi-Volatile TPH (DRO & ORO) in Soil by GC/FID					
TPH DRO	mg/kg	5.7 U	5.9 U	5.5 U	
TPH ORO	mg/kg	94.8 U	98.7 U	92.4 U	
1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap					
Acetone	ug/kg	26	29	25	180
Benzene	ug/kg	8.3 U	8.1 U	6.2 U	N/A R
Bromochloromethane	ug/kg	8.3 U	8.1 U	6.2 U	9.2 U
Bromodichloromethane	ug/kg	8.3 U	8.1 U	6.2 U	N/A R
Bromoform	ug/kg	N/A R	N/A R	6.2 U	N/A R
Bromomethane	ug/kg	8.3 U	8.1 U	6.2 U	9.2 U
2-Butanone	ug/kg	17 U	16 U	12 U	47
Carbon Disulfide	ug/kg	8.3 U	8.1 U	6.2 U	9.2 U
Carbon Tetrachloride	ug/kg	8.3 U	8.1 U	6.2 U	N/A R
Chlorobenzene	ug/kg	8.3 U	8.1 U	6.2 U	N/A R
Chloroethane	ug/kg	8.3 U	8.1 U	6.2 U	9.2 U
Chloroform	ug/kg	8.3 U	8.1 U	6.2 U	9.2 U
Chloromethane	ug/kg	8.3 U	8.1 U	6.2 U	9.2 U
Cyclohexane	ug/kg	8.3 U	8.1 U	6.2 U	15 J
1,2-Dibromo-3-Chloropropane	ug/kg	N/A R	N/A R	6.2 U	N/A R
Dibromochloromethane	ug/kg	8.3 U	8.1 U	6.2 U	N/A R
1,2-Dibromoethane	ug/kg	8.3 U	8.1 U	6.2 U	N/A R
1,2-Dichlorobenzene	ug/kg	N/A R	N/A R	6.2 U	N/A R
1,3-Dichlorobenzene	ug/kg	N/A R	N/A R	6.2 U	N/A R
1,4-Dichlorobenzene	ug/kg	N/A R	N/A R	6.2 U	N/A R
Dichlorodifluoromethane	ug/kg	8.3 U	8.1 U	6.2 U	9.2 U
1,1-Dichloroethane	ug/kg	8.3 U	8.1 U	6.2 U	9.2 U
1,2-Dichloroethane	ug/kg	8.3 U	8.1 U	6.2 U	9.2 U
1,1-Dichloroethene	ug/kg	8.3 U	8.1 U	6.2 U	9.2 U
cis-1,2-Dichloroethene	ug/kg	8.3 U	8.1 U	6.2 U	9.2 U
trans-1,2-Dichloroethene	ug/kg	8.3 U	8.1 U	6.2 U	9.2 U
1,2-Dichloropropane	ug/kg	8.3 U	8.1 U	6.2 U	N/A R
cis-1,3-Dichloropropene	ug/kg	8.3 U	8.1 U	6.2 U	N/A R
trans-1,3-Dichloropropene	ug/kg	8.3 U	8.1 U	6.2 U	N/A R
Ethyl Benzene	ug/kg	8.3 U	8.1 U	6.2 U	N/A R
2-Hexanone	ug/kg	17 U	16 U	12 U	N/A R
Isopropylbenzene	ug/kg	8.3 U	8.1 U	6.2 U	N/A R

Analysis/ Analyte	Units	9-__	10-__	11-__	14-__
Methyl Acetate	ug/kg	12	11	6.2 U	26
Methyl tert-butyl ether	ug/kg	8.3 U	8.1 U	6.2 U	9.2 U
Methylcyclohexane	ug/kg	8.3 U	8.1 U	6.2 U	19 J
Methylene Chloride	ug/kg	8.3 U	8.1 U	6.2 U	N/A R
4-Methyl-2-Pentanone	ug/kg	17 U	16 U	12 U	N/A R
Styrene	ug/kg	8.3 U	8.1 U	6.2 U	N/A R
1,1,2,2-Tetrachloroethane	ug/kg	8.3 U	8.1 U	6.2 U	N/A R
Tetrachloroethene	ug/kg	8.3 U	8.1 U	6.2 U	N/A R
Toluene	ug/kg	8.3 U	8.1 U	6.2 U	12 J
1,2,3-Trichlorobenzene	ug/kg	N/A R	N/A R	6.2 U	N/A R
1,2,4-Trichlorobenzene	ug/kg	N/A R	N/A R	6.2 U	N/A R
1,1,1-Trichloroethane	ug/kg	8.3 U	8.1 U	6.2 U	N/A R
1,1,2-Trichloroethane	ug/kg	8.3 U	8.1 U	6.2 U	N/A R
Trichloroethene	ug/kg	8.3 U	8.1 U	6.2 U	N/A R
Trichlorofluoromethane	ug/kg	8.3 U	8.1 U	6.2 U	9.2 U
1,1,2-Trichlorotrifluoroethane	ug/kg	8.3 U	8.1 U	6.2 U	9.2 U
Vinyl Chloride	ug/kg	8.3 U	8.1 U	6.2 U	9.2 U
m and/or p-Xylene	ug/kg	8.3 U	8.1 U	6.2 U	N/A R
o-Xylene	ug/kg	8.3 U	8.1 U	6.2 U	N/A R
1 Volatile TPH in Soil by GC/MS					
TPH GRO	mg/kg	2.8 U	2.9 U	2.8 U	

Analysis/ Analyte	Units	15-__	16-__	17-__	18-__
1 Metals in Solids by ICP-AES					
Aluminum	mg/kg	5520	9050	9090	7760
Antimony	mg/kg	5.6 U	6.0 U	5.8	7.4
Arsenic	mg/kg	2.8	4.7	3.6	5.1
Barium	mg/kg	70.0	110	94.5	97.7
Beryllium	mg/kg	0.46 U	0.50 U	0.48 U	0.46 U
Cadmium	mg/kg	1.3	1.1	1.1	2.8
Calcium	mg/kg	253000	213000	278000	248000
Chromium	mg/kg	23.1	94.4	41.0	103
Cobalt	mg/kg	4.6 U	5.1	4.8 U	4.6 U
Copper	mg/kg	122	149	138	178
Iron	mg/kg	8070	14300	14400	14400
Lead	mg/kg	15.8	22.1	17.8	22.1
Magnesium	mg/kg	4680	5970	5170	5120
Manganese	mg/kg	449	621	574	606
Nickel	mg/kg	645	381	230	241
Potassium	mg/kg	463 U	804 U	606 U	523 U
Selenium	mg/kg	3.2 U	3.5 U	3.3 U	3.2 U
Silver	mg/kg	0.93 U	1.0 U	0.95 U	0.92 U
Sodium	mg/kg	463 U	498 U	476 U	461 U
Thallium	mg/kg	2.3 U	2.5 U	2.4 U	2.3 U
Vanadium	mg/kg	9.2	14.6	11.5	13.3
Zinc	mg/kg	37400	45000	60000	78400
1 PCBs in Soil by GC/EC					
Aroclor 1016	ug/kg	34 U	34 U	34 U	35 U
Aroclor 1221	ug/kg	34 U	34 U	34 U	35 U
Aroclor 1232	ug/kg	34 U	34 U	34 U	35 U
Aroclor 1242	ug/kg	34 U	34 U	34 U	35 U
Aroclor 1248	ug/kg	1600	260	270	720
Aroclor 1254	ug/kg	34 U	34 U	34 U	35 U
Aroclor 1260	ug/kg	34 U	34 U	34 U	35 U
Aroclor 1262	ug/kg	34 U	34 U	34 U	35 U
Aroclor 1268	ug/kg	34 U	34 U	34 U	35 U
1 Semi-Volatile Organic Compounds in Soil					
Acenaphthene	ug/kg	170 U	180 U	180 U	180 U
Acenaphthylene	ug/kg	170 U	180 U	180 U	180 U
Acetophenone	ug/kg	170 U	180 U	180 U	180 U
Anthracene	ug/kg	170 U	180 U	180 U	180 U
Atrazine	ug/kg	170 U	180 U	180 U	180 U
Benzaldehyde	ug/kg	170 U	180 U	180 U	180 U
Benzo(a)anthracene	ug/kg	170 UJ	190	180 U	180 UJ
Benzo(a)pyrene	ug/kg	170 U	240	180 U	240
Benzo(b)fluoranthene	ug/kg	210	270	180	500
Benzo(g,h,i)perylene	ug/kg	170 UJ	180 UJ	180 UJ	180 UJ
Benzo(k)fluoranthene	ug/kg	220	240	180 U	290
Biphenyl	ug/kg	170 U	180 U	180 U	180 U

Analysis/ Analyte	Units	15-__	16-__	17-__	18-__
bis(2-Chloroethoxy)methane	ug/kg	170 U	180 U	180 U	180 U
bis(2-Chloroethyl)ether	ug/kg	170 U	180 U	180 U	180 U
bis(2-Chloroisopropyl)ether	ug/kg	170 U	180 U	180 U	180 U
bis(2-Ethylhexyl)phthalate	ug/kg	170 U	180 U	180 U	180 U
4-Bromophenyl-phenylether	ug/kg	170 U	180 U	180 U	180 U
Butylbenzylphthalate	ug/kg	170 U	180 U	180 U	180 U
Caprolactam	ug/kg	170 U	180 U	180 U	180 U
Carbazole	ug/kg	170 U	180 U	180 U	180 U
4-Chloro-3-methylphenol	ug/kg	170 U	180 U	180 U	180 U
4-Chloroaniline	ug/kg	170 U	180 U	180 U	180 U
2-Chloronaphthalene	ug/kg	170 U	180 U	180 U	180 U
2-Chlorophenol	ug/kg	170 U	180 U	180 U	180 U
4-Chlorophenyl-phenylether	ug/kg	170 U	180 U	180 U	180 U
Chrysene	ug/kg	260 J	250	210	390 J
Di-n-butylphthalate	ug/kg	170 U	180 U	180 U	180 U
Di-n-octylphthalate	ug/kg	170 U	180 U	180 U	180 U
Dibenz(a,h)anthracene	ug/kg	170 UJ	180 UJ	180 UJ	180 UJ
Dibenzofuran	ug/kg	170 U	180 U	180 U	180 U
3,3'-Dichlorobenzidine	ug/kg	170 U	180 U	180 U	180 U
2,4-Dichlorophenol	ug/kg	170 U	180 U	180 U	180 U
Diethylphthalate	ug/kg	170 U	180 U	180 U	180 U
2,4-Dimethylphenol	ug/kg	170 U	180 U	180 U	180 U
Dimethylphthalate	ug/kg	170 U	180 U	180 U	180 U
4,6-Dinitro-2-methylphenol	ug/kg	340 U	340 U	340 U	350 U
2,4-Dinitrophenol	ug/kg	340 U	340 U	340 U	350 U
2,4-Dinitrotoluene	ug/kg	170 U	180 U	180 U	180 U
2,6-Dinitrotoluene	ug/kg	170 U	180 U	180 U	180 U
Fluoranthene	ug/kg	350 J	270	220	400 J
Fluorene	ug/kg	170 U	180 U	180 U	180 U
Hexachlorobenzene	ug/kg	170 U	180 U	180 U	180 U
Hexachlorobutadiene	ug/kg	170 U	180 U	180 U	180 U
Hexachlorocyclopentadiene	ug/kg	170 UJ	180 UJ	180 UJ	180 UJ
Hexachloroethane	ug/kg	170 U	180 U	180 U	180 U
Indeno(1,2,3-cd)pyrene	ug/kg	170 UJ	180 UJ	180 UJ	180 UJ
Isophorone	ug/kg	170 U	180 U	180 U	180 U
2-Methylnaphthalene	ug/kg	170 U	180 U	180 U	180 U
2-Methylphenol	ug/kg	170 U	180 U	180 U	180 U
4-Methylphenol	ug/kg	170 U	180 U	180 U	180 U
Naphthalene	ug/kg	170 U	180 U	180 U	180 U
2-Nitroaniline	ug/kg	340 U	340 U	340 U	350 U
3-Nitroaniline	ug/kg	340 U	340 U	340 U	350 U
4-Nitroaniline	ug/kg	340 U	340 U	340 U	350 U
Nitrobenzene	ug/kg	170 U	180 U	180 U	180 U
2-Nitrophenol	ug/kg	170 U	180 U	180 U	180 U
4-Nitrophenol	ug/kg	340 U	340 U	340 U	350 U

Analysis/ Analyte	Units	15-__	16-__	17-__	18-__
N-nitroso-di-n-propylamine	ug/kg	170 U	180 U	180 U	180 U
N-nitrosodiphenylamine	ug/kg	170 U	180 U	180 U	180 U
Pentachlorophenol	ug/kg	340 U	340 U	340 U	350 U
Phenanthrene	ug/kg	170 U	180 U	180 U	180 U
Phenol	ug/kg	170 U	180 U	180 U	180 U
Pyrene	ug/kg	170 UJ	190	180 U	230 J
1,2,4,5-Tetrachlorobenzene	ug/kg	170 U	180 U	180 U	180 U
2,4,5-Trichlorophenol	ug/kg	170 U	180 U	180 U	180 U
2,4,6-Trichlorophenol	ug/kg	170 U	180 U	180 U	180 U
1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap					
Acetone	ug/kg	20	10	16	14
Benzene	ug/kg	7.2 U	4.5 U	6.6 U	N/A R
Bromochloromethane	ug/kg	7.2 U	4.5 U	6.6 U	5.4 U
Bromodichloromethane	ug/kg	7.2 U	4.5 U	6.6 U	N/A R
Bromoform	ug/kg	N/A R	N/A R	N/A R	N/A R
Bromomethane	ug/kg	7.2 U	4.5 U	6.6 U	5.4 U
2-Butanone	ug/kg	14 U	9.1 U	13 U	11 U
Carbon Disulfide	ug/kg	7.2 U	4.5 U	6.6 U	5.4 U
Carbon Tetrachloride	ug/kg	7.2 U	4.5 U	6.6 U	N/A R
Chlorobenzene	ug/kg	7.2 U	4.5 U	6.6 U	N/A R
Chloroethane	ug/kg	7.2 U	4.5 U	6.6 U	5.4 U
Chloroform	ug/kg	7.2 U	4.5 U	6.6 U	5.4 U
Chloromethane	ug/kg	7.2 U	4.5 U	6.6 U	5.4 U
Cyclohexane	ug/kg	7.2 U	4.6 J	6.6 U	5.5 J
1,2-Dibromo-3-Chloropropane	ug/kg	N/A R	N/A R	N/A R	N/A R
Dibromochloromethane	ug/kg	7.2 U	4.5 U	6.6 U	N/A R
1,2-Dibromoethane	ug/kg	7.2 U	4.5 U	6.6 U	N/A R
1,2-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,3-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,4-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
Dichlorodifluoromethane	ug/kg	7.2 U	4.5 U	6.6 U	5.4 U
1,1-Dichloroethane	ug/kg	7.2 U	4.5 U	6.6 U	5.4 U
1,2-Dichloroethane	ug/kg	7.2 U	4.5 U	6.6 U	5.4 U
1,1-Dichloroethene	ug/kg	7.2 U	4.5 U	6.6 U	5.4 U
cis-1,2-Dichloroethene	ug/kg	7.2 U	4.5 U	6.6 U	5.4 U
trans-1,2-Dichloroethene	ug/kg	7.2 U	4.5 U	6.6 U	5.4 U
1,2-Dichloropropane	ug/kg	7.2 U	4.5 U	6.6 U	N/A R
cis-1,3-Dichloropropene	ug/kg	7.2 U	4.5 U	6.6 U	N/A R
trans-1,3-Dichloropropene	ug/kg	7.2 U	4.5 U	6.6 U	N/A R
Ethyl Benzene	ug/kg	7.2 U	4.5 U	6.6 U	N/A R
2-Hexanone	ug/kg	14 U	9.1 U	13 U	N/A R
Isopropylbenzene	ug/kg	7.2 U	4.5 U	6.6 U	N/A R
Methyl Acetate	ug/kg	7.2 U	4.5 U	6.6 U	5.4 U
Methyl tert-butyl ether	ug/kg	7.2 U	4.5 U	6.6 U	5.4 U
Methylcyclohexane	ug/kg	8.5 J	7.3 J	8.7	8.7 J

Analysis/ Analyte	Units	15-__	16-__	17-__	18-__
Methylene Chloride	ug/kg	7.2 U	4.5 U	6.6 U	5.4 U
4-Methyl-2-Pentanone	ug/kg	14 U	9.1 U	13 U	N/A R
Styrene	ug/kg	7.2 U	4.5 U	6.6 U	N/A R
1,1,2,2-Tetrachloroethane	ug/kg	7.2 U	4.5 U	6.6 U	N/A R
Tetrachloroethene	ug/kg	7.2 U	4.5 U	6.6 U	N/A R
Toluene	ug/kg	7.2 U	4.5 U	6.6 U	N/A R
1,2,3-Trichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,2,4-Trichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,1,1-Trichloroethane	ug/kg	7.2 U	4.5 U	6.6 U	N/A R
1,1,2-Trichloroethane	ug/kg	7.2 U	4.5 U	6.6 U	N/A R
Trichloroethene	ug/kg	7.2 U	4.5 U	6.6 U	N/A R
Trichlorofluoromethane	ug/kg	7.2 U	4.5 U	6.6 U	5.4 U
1,1,2-Trichlorotrifluoroethane	ug/kg	7.2 U	4.5 U	6.6 U	5.4 U
Vinyl Chloride	ug/kg	7.2 U	4.5 U	6.6 U	5.4 U
m and/or p-Xylene	ug/kg	7.2 U	4.5 U	6.6 U	N/A R
o-Xylene	ug/kg	7.2 U	4.5 U	6.6 U	N/A R

ASR Number: 5104 **RLAB Approved Sample Analysis Results** **11/24/2010**

Project ID: MDA7X300 **Project Desc:** Former Lyons Diecasting Company - Removal Assessment sampling

Analysis/ Analyte	Units	19-__	20-__	21-__	22-__
1 Metals in Solids by ICP-AES					
Aluminum	mg/kg	5050	14100	15200	8130
Antimony	mg/kg	4.9 U	6.0	9.4	5.8 U
Arsenic	mg/kg	3.1	4.4	3.7	5.1
Barium	mg/kg	88.5	114	121	124
Beryllium	mg/kg	0.41 U	0.40 U	0.57 U	0.48 U
Cadmium	mg/kg	1.1	1.6	3.4	1.6
Calcium	mg/kg	288000	153000	158000	223000
Chromium	mg/kg	59.7	189	45.5	30.4
Cobalt	mg/kg	4.1 U	4.0	5.7 U	4.8 U
Copper	mg/kg	103	352	297	129
Iron	mg/kg	11800	15000	14100	13000
Lead	mg/kg	17.1	25.6	27.6	26.8
Magnesium	mg/kg	4900	4250	5020	6820
Manganese	mg/kg	579	686	574	779
Nickel	mg/kg	132	230	284	131
Potassium	mg/kg	411 U	594 U	863 U	804 U
Selenium	mg/kg	2.9 U	2.8 U	4.0 U	3.4 U
Silver	mg/kg	0.82 U	0.80 U	1.1 U	0.96 U
Sodium	mg/kg	411 U	398 U	568 U	479 U
Thallium	mg/kg	2.1 U	2.0 U	2.8 U	2.4 U
Vanadium	mg/kg	8.7	19.4	13.0	14.4
Zinc	mg/kg	32300	50000	124000	37700
1 PCBs in Soil by GC/EC					
Aroclor 1016	ug/kg	35 U	34 U	35 U	34 U
Aroclor 1221	ug/kg	35 U	34 U	35 U	34 U
Aroclor 1232	ug/kg	35 U	34 U	35 U	34 U
Aroclor 1242	ug/kg	35 U	34 U	35 U	34 U
Aroclor 1248	ug/kg	140	520	110 J	290
Aroclor 1254	ug/kg	35 U	34 U	35 U	34 U
Aroclor 1260	ug/kg	35 U	34 U	35 U	34 U
Aroclor 1262	ug/kg	35 U	34 U	35 U	34 U
Aroclor 1268	ug/kg	35 U	34 U	35 U	34 U
1 Semi-Volatile Organic Compounds in Soil					
Acenaphthene	ug/kg	180 U	170 U	180 U	170 U
Acenaphthylene	ug/kg	180 U	170 U	180 U	170 U
Acetophenone	ug/kg	180 U	170 U	180 U	170 U
Anthracene	ug/kg	180 U	170 U	180 U	170 U
Atrazine	ug/kg	180 U	170 U	180 U	170 U
Benzaldehyde	ug/kg	180 U	170 U	180 U	170 U
Benzo(a)anthracene	ug/kg	470 J	170 U	180 U	170 UJ
Benzo(a)pyrene	ug/kg	740	170 U	180 U	180
Benzo(b)fluoranthene	ug/kg	1600	170 U	180 U	310
Benzo(g,h,i)perylene	ug/kg	310 J	170 UJ	180 UJ	170 UJ
Benzo(k)fluoranthene	ug/kg	940	170 U	180 U	190
Biphenyl	ug/kg	180 U	170 U	180 U	170 U

Analysis/ Analyte	Units	19-__	20-__	21-__	22-__
bis(2-Chloroethoxy)methane	ug/kg	180 U	170 U	180 U	170 U
bis(2-Chloroethyl)ether	ug/kg	180 U	170 U	180 U	170 U
bis(2-Chloroisopropyl)ether	ug/kg	180 U	170 U	180 U	170 U
bis(2-Ethylhexyl)phthalate	ug/kg	180 U	170 U	180 U	170 U
4-Bromophenyl-phenylether	ug/kg	180 U	170 U	180 U	170 U
Butylbenzylphthalate	ug/kg	180 U	170 U	180 U	170 U
Caprolactam	ug/kg	180 U	170 U	180 U	170 U
Carbazole	ug/kg	180 U	170 U	180 U	170 U
4-Chloro-3-methylphenol	ug/kg	180 U	170 U	180 U	170 U
4-Chloroaniline	ug/kg	180 U	170 U	180 U	170 U
2-Chloronaphthalene	ug/kg	180 U	170 U	180 U	170 U
2-Chlorophenol	ug/kg	180 U	170 U	180 U	170 U
4-Chlorophenyl-phenylether	ug/kg	180 U	170 U	180 U	170 U
Chrysene	ug/kg	960 J	170 U	180 U	230 J
Di-n-butylphthalate	ug/kg	180 U	170 U	180 U	170 U
Di-n-octylphthalate	ug/kg	180 U	170 U	180 U	170 U
Dibenz(a,h)anthracene	ug/kg	180 UJ	170 UJ	180 UJ	170 UJ
Dibenzofuran	ug/kg	180 U	170 U	180 U	170 U
3,3'-Dichlorobenzidine	ug/kg	180 U	170 U	180 U	170 U
2,4-Dichlorophenol	ug/kg	180 U	170 U	180 U	170 U
Diethylphthalate	ug/kg	180 U	170 U	180 U	170 U
2,4-Dimethylphenol	ug/kg	180 U	170 U	180 U	170 U
Dimethylphthalate	ug/kg	180 U	170 U	180 U	170 U
4,6-Dinitro-2-methylphenol	ug/kg	360 U	330 U	350 UJ	340 UJ
2,4-Dinitrophenol	ug/kg	360 U	330 U	350 UJ	340 UJ
2,4-Dinitrotoluene	ug/kg	180 U	170 U	180 U	170 U
2,6-Dinitrotoluene	ug/kg	180 U	170 U	180 U	170 U
Fluoranthene	ug/kg	1700 J	170 U	180 U	340 J
Fluorene	ug/kg	180 U	170 U	180 U	170 U
Hexachlorobenzene	ug/kg	180 U	170 U	180 U	170 U
Hexachlorobutadiene	ug/kg	180 U	170 U	180 U	170 U
Hexachlorocyclopentadiene	ug/kg	180 UJ	170 UJ	180 UJ	170 UJ
Hexachloroethane	ug/kg	180 U	170 U	180 U	170 U
Indeno(1,2,3-cd)pyrene	ug/kg	330 J	170 UJ	180 UJ	170 UJ
Isophorone	ug/kg	180 U	170 U	180 U	170 U
2-Methylnaphthalene	ug/kg	180 U	170 U	180 U	170 U
2-Methylphenol	ug/kg	180 U	170 U	180 U	170 U
4-Methylphenol	ug/kg	180 U	170 U	180 U	170 U
Naphthalene	ug/kg	180 U	170 U	180 U	170 U
2-Nitroaniline	ug/kg	360 U	330 U	350 U	340 U
3-Nitroaniline	ug/kg	360 U	330 U	350 U	340 U
4-Nitroaniline	ug/kg	360 U	330 U	350 U	340 U
Nitrobenzene	ug/kg	180 U	170 U	180 U	170 U
2-Nitrophenol	ug/kg	180 U	170 U	180 U	170 U
4-Nitrophenol	ug/kg	360 U	330 U	350 U	340 U

Analysis/ Analyte	Units	19-__	20-__	21-__	22-__
N-nitroso-di-n-propylamine	ug/kg	180 U	170 U	180 U	170 U
N-nitrosodiphenylamine	ug/kg	180 U	170 U	180 U	170 U
Pentachlorophenol	ug/kg	360 U	330 U	350 U	340 U
Phenanthrene	ug/kg	360	170 U	180 U	170 U
Phenol	ug/kg	180 U	170 U	180 U	170 U
Pyrene	ug/kg	770 J	170 U	180 U	170 UJ
1,2,4,5-Tetrachlorobenzene	ug/kg	180 U	170 U	180 U	170 U
2,4,5-Trichlorophenol	ug/kg	180 U	170 U	180 U	170 U
2,4,6-Trichlorophenol	ug/kg	180 U	170 U	180 U	170 U
1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap					
Acetone	ug/kg	57	31	11 U	23
Benzene	ug/kg	6.7 U	N/A R	N/A R	5.3 U
Bromochloromethane	ug/kg	6.7 U	4.9 U	5.5 U	5.3 U
Bromodichloromethane	ug/kg	6.7 U	N/A R	N/A R	5.3 U
Bromoform	ug/kg	N/A R	N/A R	N/A R	N/A R
Bromomethane	ug/kg	6.7 U	4.9 U	5.5 U	5.3 U
2-Butanone	ug/kg	13 U	9.7 U	11 U	11 U
Carbon Disulfide	ug/kg	6.7 U	4.9 U	5.5 U	5.3 U
Carbon Tetrachloride	ug/kg	6.7 U	N/A R	N/A R	5.3 U
Chlorobenzene	ug/kg	6.7 U	N/A R	N/A R	5.3 U
Chloroethane	ug/kg	6.7 U	4.9 U	5.5 U	5.3 U
Chloroform	ug/kg	6.7 U	4.9 U	5.5 U	5.3 U
Chloromethane	ug/kg	6.7 U	4.9 U	5.5 U	5.3 U
Cyclohexane	ug/kg	6.7 U	N/A R	N/A R	5.3 U
1,2-Dibromo-3-Chloropropane	ug/kg	N/A R	N/A R	N/A R	N/A R
Dibromochloromethane	ug/kg	6.7 U	N/A R	N/A R	5.3 U
1,2-Dibromoethane	ug/kg	6.7 U	N/A R	N/A R	5.3 U
1,2-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,3-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,4-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
Dichlorodifluoromethane	ug/kg	6.7 U	4.9 U	5.5 U	5.3 U
1,1-Dichloroethane	ug/kg	6.7 U	4.9 U	5.5 U	5.3 U
1,2-Dichloroethane	ug/kg	6.7 U	4.9 U	5.5 U	5.3 U
1,1-Dichloroethene	ug/kg	6.7 U	4.9 U	5.5 U	5.3 U
cis-1,2-Dichloroethene	ug/kg	6.7 U	4.9 U	5.5 U	5.3 U
trans-1,2-Dichloroethene	ug/kg	6.7 U	4.9 U	5.5 U	5.3 U
1,2-Dichloropropane	ug/kg	6.7 U	N/A R	N/A R	5.3 U
cis-1,3-Dichloropropene	ug/kg	6.7 U	N/A R	N/A R	5.3 U
trans-1,3-Dichloropropene	ug/kg	6.7 U	N/A R	N/A R	5.3 U
Ethyl Benzene	ug/kg	6.7 U	N/A R	N/A R	5.3 U
2-Hexanone	ug/kg	13 U	N/A R	40 J	11 U
Isopropylbenzene	ug/kg	6.7 U	N/A R	N/A R	5.3 U
Methyl Acetate	ug/kg	6.7 U	4.9 U	5.5 U	5.3 U
Methyl tert-butyl ether	ug/kg	6.7 U	4.9 U	5.5 U	5.3 U
Methylcyclohexane	ug/kg	8.7 J	5.1 J	N/A R	5.3 U

Analysis/ Analyte	Units	19-__	20-__	21-__	22-__
Methylene Chloride	ug/kg	6.7 U	4.9 U	5.5 U	5.3 U
4-Methyl-2-Pentanone	ug/kg	13 U	N/A R	N/A R	11 U
Styrene	ug/kg	6.7 U	N/A R	N/A R	5.3 U
1,1,2,2-Tetrachloroethane	ug/kg	6.7 U	N/A R	N/A R	5.3 U
Tetrachloroethene	ug/kg	6.7 U	N/A R	N/A R	5.3 U
Toluene	ug/kg	6.7 U	N/A R	N/A R	5.3 U
1,2,3-Trichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,2,4-Trichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,1,1-Trichloroethane	ug/kg	6.7 U	N/A R	N/A R	5.3 U
1,1,2-Trichloroethane	ug/kg	6.7 U	N/A R	N/A R	5.3 U
Trichloroethene	ug/kg	6.7 U	N/A R	N/A R	5.3 U
Trichlorofluoromethane	ug/kg	6.7 U	4.9 U	5.5 U	5.3 U
1,1,2-Trichlorotrifluoroethane	ug/kg	6.7 U	4.9 U	5.5 U	5.3 U
Vinyl Chloride	ug/kg	6.7 U	4.9 U	5.5 U	5.3 U
m and/or p-Xylene	ug/kg	6.7 U	N/A R	N/A R	5.3 U
o-Xylene	ug/kg	6.7 U	N/A R	N/A R	5.3 U

Analysis/ Analyte	Units	23-__	24-__	25-__	26-__
1 Metals in Solids by ICP-AES					
Aluminum	mg/kg	5820	5270	3860	3880
Antimony	mg/kg	6.2 U	5.9 U	6.8 U	5.9 U
Arsenic	mg/kg	2.7	3.3	3.2	2.7
Barium	mg/kg	91.1	122	118	118
Beryllium	mg/kg	0.52 U	0.49 U	0.57 U	0.50 U
Cadmium	mg/kg	1.1	1.2	0.87	1.1
Calcium	mg/kg	268000	296000	267000	276000
Chromium	mg/kg	17.3	13.0	12.1	12.6
Cobalt	mg/kg	5.2 U	4.9 U	5.7 U	7.9
Copper	mg/kg	94.0	110	63.7	47.7
Iron	mg/kg	9620	10100	12300	8920
Lead	mg/kg	17.7	18.0	18.3	15.5
Magnesium	mg/kg	4040	6540	8780	5620
Manganese	mg/kg	488	679	874	609
Nickel	mg/kg	101	73.1	38.7	63.1
Potassium	mg/kg	643 U	587 U	722 U	665 U
Selenium	mg/kg	3.6 U	3.4 U	4.0 U	3.5 U
Silver	mg/kg	1.0 U	0.98 U	1.1 U	0.99 U
Sodium	mg/kg	517 U	491 U	568 U	495 U
Thallium	mg/kg	2.6 U	2.5 U	2.8 U	2.5 U
Vanadium	mg/kg	10.8	9.1	10.0	9.7
Zinc	mg/kg	30800	21800	8180	11300
1 PCBs in Soil by GC/EC					
Aroclor 1016	ug/kg	40 U	33 U	35 U	34 U
Aroclor 1221	ug/kg	40 U	33 U	35 U	34 U
Aroclor 1232	ug/kg	40 U	33 U	35 U	34 U
Aroclor 1242	ug/kg	40 U	33 U	35 U	34 U
Aroclor 1248	ug/kg	520	120	78	51
Aroclor 1254	ug/kg	40 U	33 U	35 U	34 U
Aroclor 1260	ug/kg	40 U	33 U	35 U	34 U
Aroclor 1262	ug/kg	40 U	33 U	35 U	34 U
Aroclor 1268	ug/kg	40 U	33 U	35 U	34 U
1 Semi-Volatile Organic Compounds in Soil					
Acenaphthene	ug/kg	210 U	170 U	180 U	170 U
Acenaphthylene	ug/kg	210 U	170 U	180 U	170 U
Acetophenone	ug/kg	210 U	170 U	180 U	170 U
Anthracene	ug/kg	210 U	170 U	180 U	170 U
Atrazine	ug/kg	210 U	170 U	180 U	170 U
Benzaldehyde	ug/kg	210 U	170 U	180 U	170 U
Benzo(a)anthracene	ug/kg	210 UJ	170 UJ	180 UJ	170 U
Benzo(a)pyrene	ug/kg	210 U	170 U	180 U	170 U
Benzo(b)fluoranthene	ug/kg	240	170 U	180 U	170 U
Benzo(g,h,i)perylene	ug/kg	210 UJ	170 UJ	180 UJ	170 UJ
Benzo(k)fluoranthene	ug/kg	210 U	170 U	180 U	170 U
Biphenyl	ug/kg	210 U	170 U	180 U	170 U

Analysis/ Analyte	Units	23-__	24-__	25-__	26-__
bis(2-Chloroethoxy)methane	ug/kg	210 U	170 U	180 U	170 U
bis(2-Chloroethyl)ether	ug/kg	210 U	170 U	180 U	170 U
bis(2-Chloroisopropyl)ether	ug/kg	210 U	170 U	180 U	170 U
bis(2-Ethylhexyl)phthalate	ug/kg	210 U	170 U	180 U	170 U
4-Bromophenyl-phenylether	ug/kg	210 U	170 U	180 U	170 U
Butylbenzylphthalate	ug/kg	210 U	170 U	180 U	170 U
Caprolactam	ug/kg	210 U	170 U	180 U	170 U
Carbazole	ug/kg	210 U	170 U	180 U	170 U
4-Chloro-3-methylphenol	ug/kg	210 U	170 U	180 U	170 U
4-Chloroaniline	ug/kg	210 U	170 U	180 U	170 U
2-Chloronaphthalene	ug/kg	210 U	170 U	180 U	170 U
2-Chlorophenol	ug/kg	210 U	170 U	180 U	170 U
4-Chlorophenyl-phenylether	ug/kg	210 U	170 U	180 U	170 U
Chrysene	ug/kg	210 UJ	170 UJ	180 UJ	170 U
Di-n-butylphthalate	ug/kg	210 U	170 U	180 U	170 U
Di-n-octylphthalate	ug/kg	210 U	170 U	180 U	170 U
Dibenz(a,h)anthracene	ug/kg	210 UJ	170 UJ	180 UJ	170 UJ
Dibenzofuran	ug/kg	210 U	170 U	180 U	170 U
3,3'-Dichlorobenzidine	ug/kg	210 U	170 U	180 U	170 U
2,4-Dichlorophenol	ug/kg	210 U	170 U	180 U	170 U
Diethylphthalate	ug/kg	210 U	170 U	180 U	170 U
2,4-Dimethylphenol	ug/kg	210 U	170 U	180 U	170 U
Dimethylphthalate	ug/kg	210 U	170 U	180 U	170 U
4,6-Dinitro-2-methylphenol	ug/kg	400 UJ	330 UJ	340 UJ	340 UJ
2,4-Dinitrophenol	ug/kg	400 UJ	330 UJ	340 UJ	340 UJ
2,4-Dinitrotoluene	ug/kg	210 U	170 U	180 U	170 U
2,6-Dinitrotoluene	ug/kg	210 U	170 U	180 U	170 U
Fluoranthene	ug/kg	260 J	190 J	210 J	170 U
Fluorene	ug/kg	210 U	170 U	180 U	170 U
Hexachlorobenzene	ug/kg	210 U	170 U	180 U	170 U
Hexachlorobutadiene	ug/kg	210 U	170 U	180 U	170 U
Hexachlorocyclopentadiene	ug/kg	210 UJ	170 UJ	180 UJ	170 UJ
Hexachloroethane	ug/kg	210 U	170 U	180 U	170 U
Indeno(1,2,3-cd)pyrene	ug/kg	210 UJ	170 UJ	180 UJ	170 UJ
Isophorone	ug/kg	210 U	170 U	180 U	170 U
2-Methylnaphthalene	ug/kg	210 U	170 U	180 U	170 U
2-Methylphenol	ug/kg	210 U	170 U	180 U	170 U
4-Methylphenol	ug/kg	210 U	170 U	180 U	170 U
Naphthalene	ug/kg	210 U	170 U	180 U	170 U
2-Nitroaniline	ug/kg	400 U	330 U	340 U	340 U
3-Nitroaniline	ug/kg	400 U	330 U	340 U	340 U
4-Nitroaniline	ug/kg	400 U	330 U	340 U	340 U
Nitrobenzene	ug/kg	210 U	170 U	180 U	170 U
2-Nitrophenol	ug/kg	210 U	170 U	180 U	170 U
4-Nitrophenol	ug/kg	400 U	330 U	340 U	340 U

Analysis/ Analyte	Units	23-__	24-__	25-__	26-__
N-nitroso-di-n-propylamine	ug/kg	210 U	170 U	180 U	170 U
N-nitrosodiphenylamine	ug/kg	210 U	170 U	180 U	170 U
Pentachlorophenol	ug/kg	400 U	330 U	340 U	340 U
Phenanthrene	ug/kg	210 U	170 U	180 U	170 U
Phenol	ug/kg	210 U	170 U	180 U	170 U
Pyrene	ug/kg	210 UJ	170 UJ	180 UJ	170 U
1,2,4,5-Tetrachlorobenzene	ug/kg	210 U	170 U	180 U	170 U
2,4,5-Trichlorophenol	ug/kg	210 U	170 U	180 U	170 U
2,4,6-Trichlorophenol	ug/kg	210 U	170 U	180 U	170 U
1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap					
Acetone	ug/kg	53	45	58	220
Benzene	ug/kg	6.2 U	8.8 U	5.4 U	N/A R
Bromochloromethane	ug/kg	6.2 U	8.8 U	5.4 U	7.2 U
Bromodichloromethane	ug/kg	6.2 U	8.8 U	5.4 U	N/A R
Bromoform	ug/kg	N/A R	N/A R	N/A R	N/A R
Bromomethane	ug/kg	6.2 U	8.8 U	5.4 U	7.2 U
2-Butanone	ug/kg	12 U	18 U	13	33
Carbon Disulfide	ug/kg	6.2 U	8.8 U	5.4 U	7.2 U
Carbon Tetrachloride	ug/kg	6.2 U	8.8 U	5.4 U	N/A R
Chlorobenzene	ug/kg	6.2 U	8.8 U	5.4 U	N/A R
Chloroethane	ug/kg	6.2 U	8.8 U	5.4 U	7.2 U
Chloroform	ug/kg	6.2 U	8.8 U	5.4 U	7.2 U
Chloromethane	ug/kg	6.2 U	8.8 U	5.4 U	7.2 U
Cyclohexane	ug/kg	6.2 U	9.1	5.4 U	N/A R
1,2-Dibromo-3-Chloropropane	ug/kg	N/A R	N/A R	N/A R	N/A R
Dibromochloromethane	ug/kg	6.2 U	8.8 U	5.4 U	N/A R
1,2-Dibromoethane	ug/kg	6.2 U	8.8 U	5.4 U	N/A R
1,2-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,3-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,4-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
Dichlorodifluoromethane	ug/kg	6.2 U	8.8 U	5.4 U	7.2 U
1,1-Dichloroethane	ug/kg	6.2 U	8.8 U	5.4 U	7.2 U
1,2-Dichloroethane	ug/kg	6.2 U	8.8 U	5.4 U	7.2 U
1,1-Dichloroethene	ug/kg	6.2 U	8.8 U	5.4 U	7.2 U
cis-1,2-Dichloroethene	ug/kg	6.2 U	8.8 U	5.4 U	7.2 U
trans-1,2-Dichloroethene	ug/kg	6.2 U	8.8 U	5.4 U	7.2 U
1,2-Dichloropropane	ug/kg	6.2 U	8.8 U	5.4 U	N/A R
cis-1,3-Dichloropropene	ug/kg	6.2 U	8.8 U	5.4 U	N/A R
trans-1,3-Dichloropropene	ug/kg	6.2 U	8.8 U	5.4 U	N/A R
Ethyl Benzene	ug/kg	6.2 U	8.8 U	5.4 U	N/A R
2-Hexanone	ug/kg	12 U	18 U	11 U	N/A R
Isopropylbenzene	ug/kg	6.2 U	8.8 U	5.4 U	N/A R
Methyl Acetate	ug/kg	6.2 U	8.8 U	5.4 U	12
Methyl tert-butyl ether	ug/kg	6.2 U	8.8 U	5.4 U	7.2 U
Methylcyclohexane	ug/kg	7.3	14	7.3	8.3 J

Analysis/ Analyte	Units	23-__	24-__	25-__	26-__
Methylene Chloride	ug/kg	6.2 U	8.8 U	5.4 U	7.2 U
4-Methyl-2-Pentanone	ug/kg	12 U	18 U	11 U	N/A R
Styrene	ug/kg	6.2 U	8.8 U	5.4 U	N/A R
1,1,2,2-Tetrachloroethane	ug/kg	6.2 U	8.8 U	5.4 U	N/A R
Tetrachloroethene	ug/kg	6.2 U	8.8 U	5.4 U	N/A R
Toluene	ug/kg	6.2 U	8.8 U	5.4 U	N/A R
1,2,3-Trichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,2,4-Trichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,1,1-Trichloroethane	ug/kg	6.2 U	8.8 U	5.4 U	N/A R
1,1,2-Trichloroethane	ug/kg	6.2 U	8.8 U	5.4 U	N/A R
Trichloroethene	ug/kg	6.2 U	8.8 U	5.4 U	N/A R
Trichlorofluoromethane	ug/kg	6.2 U	8.8 U	5.4 U	7.2 U
1,1,2-Trichlorotrifluoroethane	ug/kg	6.2 U	8.8 U	5.4 U	7.2 U
Vinyl Chloride	ug/kg	6.2 U	8.8 U	5.4 U	7.2 U
m and/or p-Xylene	ug/kg	6.2 U	8.8 U	5.4 U	N/A R
o-Xylene	ug/kg	6.2 U	8.8 U	5.4 U	N/A R

Analysis/ Analyte	Units	27-__	28-__	29-__	30-__
1 Metals in Solids by ICP-AES					
Aluminum	mg/kg	4400	3580	4030	9780
Antimony	mg/kg	5.9 U	6.0 U	5.9 U	7.2 U
Arsenic	mg/kg	2.6	2.5	3.3	7.0
Barium	mg/kg	131	142	136	171
Beryllium	mg/kg	0.49 U	0.50 U	0.49 U	0.63 U
Cadmium	mg/kg	0.92	1.1	0.86	1.6
Calcium	mg/kg	283000	243000	243000	134000
Chromium	mg/kg	10.2	10.2	8.5	22.9
Cobalt	mg/kg	4.9 U	5.0 U	4.9 U	6.0 U
Copper	mg/kg	68.4	39.2	23.5	34.2
Iron	mg/kg	9500	8850	9800	15600
Lead	mg/kg	22.3	14.3	13.9	35.0
Magnesium	mg/kg	4950	4780	5920	4920
Manganese	mg/kg	582	608	603	603
Nickel	mg/kg	57.0	20.3	19.7	33.7
Potassium	mg/kg	628 U	781 U	921 U	2210
Selenium	mg/kg	3.4 U	3.5 U	3.4 U	4.2 U
Silver	mg/kg	0.98 U	1.0 U	0.98 U	1.2 U
Sodium	mg/kg	491 U	498 U	492 U	603 U
Thallium	mg/kg	2.5 U	2.5 U	2.5 U	3.0 U
Vanadium	mg/kg	9.4	10.6	10.8	24.6
Zinc	mg/kg	10900	2770	3170	2870
1 PCBs in Soil by GC/EC					
Aroclor 1016	ug/kg	37 U	39 U	36 U	36 U
Aroclor 1221	ug/kg	37 U	39 U	36 U	36 U
Aroclor 1232	ug/kg	37 U	39 U	36 U	36 U
Aroclor 1242	ug/kg	37 U	39 U	36 U	36 U
Aroclor 1248	ug/kg	160	57 J	36 U	36 U
Aroclor 1254	ug/kg	37 U	39 U	36 U	36 U
Aroclor 1260	ug/kg	37 U	39 U	36 U	36 U
Aroclor 1262	ug/kg	37 U	39 U	36 U	36 U
Aroclor 1268	ug/kg	37 U	39 U	36 U	36 U
1 Semi-Volatile Organic Compounds in Soil					
Acenaphthene	ug/kg	190 U	200 U	190 U	190 U
Acenaphthylene	ug/kg	190 U	200 U	190 U	190 U
Acetophenone	ug/kg	190 U	200 U	190 U	190 U
Anthracene	ug/kg	190 U	200 U	190 U	190 U
Atrazine	ug/kg	190 U	200 U	190 U	190 U
Benzaldehyde	ug/kg	190 U	200 U	190 U	190 U
Benzo(a)anthracene	ug/kg	190 U	200 U	530	190 U
Benzo(a)pyrene	ug/kg	190 U	240	710	230
Benzo(b)fluoranthene	ug/kg	190 U	560	990	350
Benzo(g,h,i)perylene	ug/kg	190 UJ	200 UJ	270 J	190 UJ
Benzo(k)fluoranthene	ug/kg	190 U	580	590	200
Biphenyl	ug/kg	190 U	200 U	190 U	190 U

Analysis/ Analyte	Units	27-__	28-__	29-__	30-__
bis(2-Chloroethoxy)methane	ug/kg	190 U	200 U	190 U	190 U
bis(2-Chloroethyl)ether	ug/kg	190 U	200 U	190 U	190 U
bis(2-Chloroisopropyl)ether	ug/kg	190 U	200 U	190 U	190 U
bis(2-Ethylhexyl)phthalate	ug/kg	190 U	200 U	190 U	190 U
4-Bromophenyl-phenylether	ug/kg	190 U	200 U	190 U	190 U
Butylbenzylphthalate	ug/kg	190 U	200 U	190 U	190 U
Caprolactam	ug/kg	190 U	200 U	190 U	190 U
Carbazole	ug/kg	190 U	200 U	190 U	190 U
4-Chloro-3-methylphenol	ug/kg	190 U	200 U	190 U	190 U
4-Chloroaniline	ug/kg	190 U	200 U	190 U	190 U
2-Chloronaphthalene	ug/kg	190 U	200 U	190 U	190 U
2-Chlorophenol	ug/kg	190 U	200 U	190 U	190 U
4-Chlorophenyl-phenylether	ug/kg	190 U	200 U	190 U	190 U
Chrysene	ug/kg	190 U	460	740	220
Di-n-butylphthalate	ug/kg	190 U	200 U	190 U	190 U
Di-n-octylphthalate	ug/kg	190 U	200 U	190 U	190 U
Dibenz(a,h)anthracene	ug/kg	190 UJ	200 UJ	190 UJ	190 UJ
Dibenzofuran	ug/kg	190 U	200 U	190 U	190 U
3,3'-Dichlorobenzidine	ug/kg	190 U	200 U	190 U	190 U
2,4-Dichlorophenol	ug/kg	190 U	200 U	190 U	190 U
Diethylphthalate	ug/kg	190 U	200 U	190 U	190 U
2,4-Dimethylphenol	ug/kg	190 U	200 U	190 U	190 U
Dimethylphthalate	ug/kg	190 U	200 U	190 U	190 U
4,6-Dinitro-2-methylphenol	ug/kg	370 UJ	390 UJ	370 UJ	360 UJ
2,4-Dinitrophenol	ug/kg	370 UJ	390 UJ	370 UJ	360 UJ
2,4-Dinitrotoluene	ug/kg	190 U	200 U	190 U	190 U
2,6-Dinitrotoluene	ug/kg	190 U	200 U	190 U	190 U
Fluoranthene	ug/kg	190 U	270	1000	280
Fluorene	ug/kg	190 U	200 U	190 U	190 U
Hexachlorobenzene	ug/kg	190 U	200 U	190 U	190 U
Hexachlorobutadiene	ug/kg	190 U	200 U	190 U	190 U
Hexachlorocyclopentadiene	ug/kg	190 UJ	200 UJ	190 UJ	190 UJ
Hexachloroethane	ug/kg	190 U	200 U	190 U	190 U
Indeno(1,2,3-cd)pyrene	ug/kg	190 UJ	200 UJ	290 J	190 UJ
Isophorone	ug/kg	190 U	200 U	190 U	190 U
2-Methylnaphthalene	ug/kg	190 U	200 U	190 U	190 U
2-Methylphenol	ug/kg	190 U	200 U	190 U	190 U
4-Methylphenol	ug/kg	190 U	200 U	190 U	190 U
Naphthalene	ug/kg	190 U	200 U	190 U	190 U
2-Nitroaniline	ug/kg	370 U	390 U	370 U	360 U
3-Nitroaniline	ug/kg	370 U	390 U	370 U	360 U
4-Nitroaniline	ug/kg	370 U	390 U	370 U	360 U
Nitrobenzene	ug/kg	190 U	200 U	190 U	190 U
2-Nitrophenol	ug/kg	190 U	200 U	190 U	190 U
4-Nitrophenol	ug/kg	370 U	390 U	370 U	360 U

Analysis/ Analyte	Units	27-__	28-__	29-__	30-__
N-nitroso-di-n-propylamine	ug/kg	190 U	200 U	190 U	190 U
N-nitrosodiphenylamine	ug/kg	190 U	200 U	190 U	190 U
Pentachlorophenol	ug/kg	370 U	390 U	370 U	360 U
Phenanthrene	ug/kg	190 U	200 U	280	190 U
Phenol	ug/kg	190 U	200 U	190 U	190 U
Pyrene	ug/kg	190 U	250	670	190 U
1,2,4,5-Tetrachlorobenzene	ug/kg	190 U	200 U	190 U	190 U
2,4,5-Trichlorophenol	ug/kg	190 U	200 U	190 U	190 U
2,4,6-Trichlorophenol	ug/kg	190 U	200 U	190 U	190 U
1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap					
Acetone	ug/kg	39	140	79	220
Benzene	ug/kg	N/A R	N/A R	N/A R	N/A R
Bromochloromethane	ug/kg	4.5 U	6.8 U	5.7 U	7.3 U
Bromodichloromethane	ug/kg	N/A R	N/A R	N/A R	N/A R
Bromoform	ug/kg	N/A R	N/A R	N/A R	N/A R
Bromomethane	ug/kg	4.5 U	6.8 U	5.7 U	7.3 U
2-Butanone	ug/kg	9.1 U	25	26	36
Carbon Disulfide	ug/kg	4.5 U	6.8 U	5.7 U	7.3 U
Carbon Tetrachloride	ug/kg	N/A R	N/A R	N/A R	N/A R
Chlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
Chloroethane	ug/kg	4.5 U	6.8 U	5.7 U	7.3 U
Chloroform	ug/kg	4.5 U	6.8 U	5.7 U	7.3 U
Chloromethane	ug/kg	4.5 U	6.8 U	5.7 U	7.3 U
Cyclohexane	ug/kg	4.8 J	N/A R	7.5 J	N/A R
1,2-Dibromo-3-Chloropropane	ug/kg	N/A R	N/A R	N/A R	N/A R
Dibromochloromethane	ug/kg	N/A R	N/A R	N/A R	N/A R
1,2-Dibromoethane	ug/kg	N/A R	N/A R	N/A R	N/A R
1,2-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,3-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,4-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
Dichlorodifluoromethane	ug/kg	4.5 U	6.8 U	5.7 U	7.3 U
1,1-Dichloroethane	ug/kg	4.5 U	6.8 U	5.7 U	7.3 U
1,2-Dichloroethane	ug/kg	4.5 U	6.8 U	5.7 U	7.3 U
1,1-Dichloroethene	ug/kg	4.5 U	6.8 U	5.7 U	7.3 U
cis-1,2-Dichloroethene	ug/kg	4.5 U	6.8 U	5.7 U	7.3 U
trans-1,2-Dichloroethene	ug/kg	4.5 U	6.8 U	5.7 U	7.3 U
1,2-Dichloropropane	ug/kg	N/A R	N/A R	N/A R	N/A R
cis-1,3-Dichloropropene	ug/kg	N/A R	N/A R	N/A R	N/A R
trans-1,3-Dichloropropene	ug/kg	N/A R	N/A R	N/A R	N/A R
Ethyl Benzene	ug/kg	N/A R	N/A R	N/A R	N/A R
2-Hexanone	ug/kg	N/A R	44 J	48 J	N/A R
Isopropylbenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
Methyl Acetate	ug/kg	4.5 U	6.8 U	5.7 U	7.3 U
Methyl tert-butyl ether	ug/kg	4.5 U	6.8 U	5.7 U	7.3 U
Methylcyclohexane	ug/kg	5.4 J	7.3 J	10 J	10 J

Analysis/ Analyte	Units	27-__	28-__	29-__	30-__
Methylene Chloride	ug/kg	4.5 U	6.8 U	5.7 U	7.3 U
4-Methyl-2-Pentanone	ug/kg	N/A R	N/A R	N/A R	28 J
Styrene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,1,2,2-Tetrachloroethane	ug/kg	N/A R	N/A R	N/A R	N/A R
Tetrachloroethene	ug/kg	N/A R	N/A R	N/A R	N/A R
Toluene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,2,3-Trichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,2,4-Trichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,1,1-Trichloroethane	ug/kg	N/A R	N/A R	N/A R	N/A R
1,1,2-Trichloroethane	ug/kg	N/A R	N/A R	N/A R	N/A R
Trichloroethene	ug/kg	N/A R	N/A R	N/A R	N/A R
Trichlorofluoromethane	ug/kg	4.5 U	6.8 U	5.7 U	7.3 U
1,1,2-Trichlorotrifluoroethane	ug/kg	4.5 U	6.8 U	5.7 U	7.3 U
Vinyl Chloride	ug/kg	4.5 U	6.8 U	5.7 U	7.3 U
m and/or p-Xylene	ug/kg	N/A R	N/A R	N/A R	N/A R
o-Xylene	ug/kg	N/A R	N/A R	N/A R	N/A R

Analysis/ Analyte	Units	31-__	32-__	33-__	34-__
1 Metals in Solids by ICP-AES					
Aluminum	mg/kg	7060	4620	7950	9580
Antimony	mg/kg	6.5 U	6.4 U	6.0 U	7.0 U
Arsenic	mg/kg	4.0	2.9	4.4	6.8
Barium	mg/kg	202	136	113	194
Beryllium	mg/kg	0.54 U	0.53 U	0.50 U	0.58 U
Cadmium	mg/kg	0.85	0.72 UJ	1.1	1.1
Calcium	mg/kg	207000	300000	194000	84900
Chromium	mg/kg	18.0	13.1	40.2	21.7
Cobalt	mg/kg	6.1	5.3 U	5.0 U	5.8 U
Copper	mg/kg	59.5	58.1	141	38.2
Iron	mg/kg	12200	9010	12000	14100
Lead	mg/kg	31.4	14.1	25.3	33.8
Magnesium	mg/kg	3690	3850	4450	3560
Manganese	mg/kg	880	523	582	541
Nickel	mg/kg	52.8	191	129	33.9
Potassium	mg/kg	1170 U	697 U	878 U	1800
Selenium	mg/kg	3.8 U	3.7 U	3.5 U	4.1 U
Silver	mg/kg	1.1 U	1.1 U	1.0 U	1.2 U
Sodium	mg/kg	541 U	530 U	498 U	584 U
Thallium	mg/kg	2.7 U	2.7 U	2.5 U	2.9 U
Vanadium	mg/kg	15.1	10.8	15.2	20.8
Zinc	mg/kg	14900	13100	24700	4560
1 PCBs in Soil by GC/EC					
Aroclor 1016	ug/kg	38 U	35 U	37 U	400 U
Aroclor 1221	ug/kg	38 U	35 U	37 U	400 U
Aroclor 1232	ug/kg	38 U	35 U	37 U	400 U
Aroclor 1242	ug/kg	38 U	35 U	37 U	400 U
Aroclor 1248	ug/kg	38 U	42	1800 J	12000
Aroclor 1254	ug/kg	190	35 U	37 U	400 U
Aroclor 1260	ug/kg	38 U	35 U	37 U	400 U
Aroclor 1262	ug/kg	38 U	35 U	37 U	400 U
Aroclor 1268	ug/kg	38 U	35 U	37 U	400 U
1 Semi-Volatile Organic Compounds in Soil					
Acenaphthene	ug/kg	190 U	180 U	370 U	210 U
Acenaphthylene	ug/kg	190 U	180 U	370 U	210 U
Acetophenone	ug/kg	190 U	180 U	370 U	210 U
Anthracene	ug/kg	190 U	180 U	370 U	210 U
Atrazine	ug/kg	190 U	180 U	370 U	210 U
Benzaldehyde	ug/kg	190 U	180 U	370 U	210 U
Benzo(a)anthracene	ug/kg	190 U	180 U	1500	630
Benzo(a)pyrene	ug/kg	190 U	180 U	2000	800
Benzo(b)fluoranthene	ug/kg	210	180 U	3000	1300
Benzo(g,h,i)perylene	ug/kg	190 UJ	180 UJ	500 J	210 UJ
Benzo(k)fluoranthene	ug/kg	190 U	180 U	2700	800
Biphenyl	ug/kg	190 U	180 U	370 U	210 U

Analysis/ Analyte	Units	31-__	32-__	33-__	34-__
bis(2-Chloroethoxy)methane	ug/kg	190 U	180 U	370 U	210 U
bis(2-Chloroethyl)ether	ug/kg	190 U	180 U	370 U	210 U
bis(2-Chloroisopropyl)ether	ug/kg	190 U	180 U	370 U	210 U
bis(2-Ethylhexyl)phthalate	ug/kg	190 U	180 U	370 U	210 U
4-Bromophenyl-phenylether	ug/kg	190 U	180 U	370 U	210 U
Butylbenzylphthalate	ug/kg	190 U	180 U	370 U	210 U
Caprolactam	ug/kg	190 U	180 U	370 U	210 U
Carbazole	ug/kg	190 U	180 U	370 U	210 U
4-Chloro-3-methylphenol	ug/kg	190 U	180 U	370 U	210 U
4-Chloroaniline	ug/kg	190 U	180 U	370 U	210 U
2-Chloronaphthalene	ug/kg	190 U	180 U	370 U	210 U
2-Chlorophenol	ug/kg	190 U	180 U	370 U	210 U
4-Chlorophenyl-phenylether	ug/kg	190 U	180 U	370 U	210 U
Chrysene	ug/kg	190 U	180 U	2500	840
Di-n-butylphthalate	ug/kg	190 U	180 U	370 U	210 U
Di-n-octylphthalate	ug/kg	190 U	180 U	370 U	210 U
Dibenz(a,h)anthracene	ug/kg	190 UJ	180 U	370 UJ	210 U
Dibenzofuran	ug/kg	190 U	180 U	370 U	210 U
3,3'-Dichlorobenzidine	ug/kg	190 U	180 U	370 U	210 U
2,4-Dichlorophenol	ug/kg	190 U	180 U	370 U	210 U
Diethylphthalate	ug/kg	190 U	180 U	370 U	210 U
2,4-Dimethylphenol	ug/kg	190 U	180 U	370 U	210 U
Dimethylphthalate	ug/kg	190 U	180 U	370 U	210 U
4,6-Dinitro-2-methylphenol	ug/kg	380 UJ	350 U	730 U	400 U
2,4-Dinitrophenol	ug/kg	380 UJ	350 U	730 UJ	400 U
2,4-Dinitrotoluene	ug/kg	190 U	180 U	370 U	210 U
2,6-Dinitrotoluene	ug/kg	190 U	180 U	370 U	210 U
Fluoranthene	ug/kg	190 U	180 U	3800	1200
Fluorene	ug/kg	190 U	180 U	370 U	210 U
Hexachlorobenzene	ug/kg	190 U	180 U	370 U	210 U
Hexachlorobutadiene	ug/kg	190 U	180 U	370 U	210 U
Hexachlorocyclopentadiene	ug/kg	190 UJ	180 UJ	370 UJ	210 UJ
Hexachloroethane	ug/kg	190 U	180 U	370 U	210 U
Indeno(1,2,3-cd)pyrene	ug/kg	190 UJ	180 U	610 J	210 U
Isophorone	ug/kg	190 U	180 U	370 U	210 U
2-Methylnaphthalene	ug/kg	190 U	180 U	370 U	210 U
2-Methylphenol	ug/kg	190 U	180 U	370 U	210 U
4-Methylphenol	ug/kg	190 U	180 U	370 U	210 U
Naphthalene	ug/kg	190 U	180 U	370 U	210 U
2-Nitroaniline	ug/kg	380 U	350 U	730 U	400 U
3-Nitroaniline	ug/kg	380 U	350 U	730 U	400 U
4-Nitroaniline	ug/kg	380 U	350 U	730 U	400 U
Nitrobenzene	ug/kg	190 U	180 U	370 U	210 U
2-Nitrophenol	ug/kg	190 U	180 U	370 U	210 U
4-Nitrophenol	ug/kg	380 U	350 U	730 U	400 U

Analysis/ Analyte	Units	31-__	32-__	33-__	34-__
N-nitroso-di-n-propylamine	ug/kg	190 U	180 U	370 U	210 U
N-nitrosodiphenylamine	ug/kg	190 U	180 U	370 U	210 U
Pentachlorophenol	ug/kg	380 U	350 U	730 U	400 U
Phenanthrene	ug/kg	190 U	180 U	1300	360
Phenol	ug/kg	190 U	180 U	370 U	210 U
Pyrene	ug/kg	190 U	180 U	2200 J	970
1,2,4,5-Tetrachlorobenzene	ug/kg	190 U	180 U	370 U	210 U
2,4,5-Trichlorophenol	ug/kg	190 U	180 U	370 U	210 U
2,4,6-Trichlorophenol	ug/kg	190 U	180 U	370 U	210 U
1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap					
Acetone	ug/kg	120	26	84	110
Benzene	ug/kg	N/A R	5.5 U	5.9 U	7.1 U
Bromochloromethane	ug/kg	5.6 U	5.5 U	5.9 U	7.1 U
Bromodichloromethane	ug/kg	N/A R	5.5 U	5.9 U	7.1 U
Bromoform	ug/kg	N/A R	5.5 U	N/A R	N/A R
Bromomethane	ug/kg	5.6 U	5.5 U	5.9 U	7.1 U
2-Butanone	ug/kg	27	11 U	13	45
Carbon Disulfide	ug/kg	5.6 U	5.5 U	5.9 U	7.1 U
Carbon Tetrachloride	ug/kg	N/A R	5.5 U	5.9 U	7.1 U
Chlorobenzene	ug/kg	N/A R	5.5 U	5.9 U	7.1 U
Chloroethane	ug/kg	5.6 U	5.5 U	5.9 U	7.1 U
Chloroform	ug/kg	5.6 U	5.5 U	5.9 U	7.1 U
Chloromethane	ug/kg	5.6 U	5.5 U	5.9 U	7.1 U
Cyclohexane	ug/kg	N/A R	5.5 U	5.9 U	7.1 U
1,2-Dibromo-3-Chloropropane	ug/kg	N/A R	5.5 U	N/A R	N/A R
Dibromochloromethane	ug/kg	N/A R	5.5 U	5.9 U	7.1 U
1,2-Dibromoethane	ug/kg	N/A R	5.5 U	5.9 U	7.1 U
1,2-Dichlorobenzene	ug/kg	N/A R	5.5 U	N/A R	N/A R
1,3-Dichlorobenzene	ug/kg	N/A R	5.5 U	N/A R	N/A R
1,4-Dichlorobenzene	ug/kg	N/A R	5.5 U	N/A R	N/A R
Dichlorodifluoromethane	ug/kg	5.6 U	5.5 U	5.9 U	7.1 U
1,1-Dichloroethane	ug/kg	5.6 U	5.5 U	5.9 U	7.1 U
1,2-Dichloroethane	ug/kg	5.6 U	5.5 U	5.9 U	7.1 U
1,1-Dichloroethene	ug/kg	5.6 U	5.5 U	5.9 U	7.1 U
cis-1,2-Dichloroethene	ug/kg	5.6 U	5.5 U	5.9 U	7.1 U
trans-1,2-Dichloroethene	ug/kg	5.6 U	5.5 U	5.9 U	7.1 U
1,2-Dichloropropane	ug/kg	N/A R	5.5 U	5.9 U	7.1 U
cis-1,3-Dichloropropene	ug/kg	N/A R	5.5 U	5.9 U	7.1 U
trans-1,3-Dichloropropene	ug/kg	N/A R	5.5 U	5.9 U	7.1 U
Ethyl Benzene	ug/kg	N/A R	5.5 U	5.9 U	7.1 U
2-Hexanone	ug/kg	N/A R	11 U	12 U	14 U
Isopropylbenzene	ug/kg	N/A R	5.5 U	5.9 U	7.1 U
Methyl Acetate	ug/kg	5.6 U	5.5 U	5.9 U	7.1 U
Methyl tert-butyl ether	ug/kg	5.6 U	5.5 U	5.9 U	7.1 U
Methylcyclohexane	ug/kg	6.0 J	7.1	5.9 U	8.2 J

ASR Number: 5104 **RLAB Approved Sample Analysis Results** **11/24/2010**

Project ID: MDA7X300 **Project Desc:** Former Lyons Diecasting Company - Removal Assessment sampling

Analysis/ Analyte	Units	31-__	32-__	33-__	34-__
Methylene Chloride	ug/kg	5.6 U	5.5 U	5.9 U	7.1 U
4-Methyl-2-Pentanone	ug/kg	16 J	11 U	12 U	14 U
Styrene	ug/kg	N/A R	5.5 U	5.9 U	7.1 U
1,1,2,2-Tetrachloroethane	ug/kg	N/A R	5.5 U	5.9 U	7.1 U
Tetrachloroethene	ug/kg	N/A R	5.5 U	5.9 U	7.1 U
Toluene	ug/kg	N/A R	5.5 U	5.9 U	7.1 U
1,2,3-Trichlorobenzene	ug/kg	N/A R	5.5 U	N/A R	N/A R
1,2,4-Trichlorobenzene	ug/kg	N/A R	5.5 U	N/A R	N/A R
1,1,1-Trichloroethane	ug/kg	N/A R	5.5 U	5.9 U	7.1 U
1,1,2-Trichloroethane	ug/kg	N/A R	5.5 U	5.9 U	7.1 U
Trichloroethene	ug/kg	N/A R	5.5 U	5.9 U	7.1 U
Trichlorofluoromethane	ug/kg	5.6 U	5.5 U	5.9 U	7.1 U
1,1,2-Trichlorotrifluoroethane	ug/kg	5.6 U	5.5 U	5.9 U	7.1 U
Vinyl Chloride	ug/kg	5.6 U	5.5 U	5.9 U	7.1 U
m and/or p-Xylene	ug/kg	N/A R	5.5 U	5.9 U	7.1 U
o-Xylene	ug/kg	N/A R	5.5 U	5.9 U	7.1 U

Analysis/ Analyte	Units	35-__	36-__	37-__	38-__
1 Metals in Solids by ICP-AES					
Aluminum	mg/kg	11300	9670	9960	16400
Antimony	mg/kg	8.7 U	7.8 UJ	7.7 U	7.3 U
Arsenic	mg/kg	5.5	5.6	6.5	8.4
Barium	mg/kg	220	169	195	288
Beryllium	mg/kg	0.73 U	0.65 U	0.64 U	1.1
Cadmium	mg/kg	1.9	1.4	3.4	0.61 UJ
Calcium	mg/kg	104000	175000	84100	10000
Chromium	mg/kg	58.7	38.2	16.8	19.1
Cobalt	mg/kg	7.3 U	6.5 U	6.4 U	8.8
Copper	mg/kg	114	111	43.6	31.0
Iron	mg/kg	16000	15700	14500	21900
Lead	mg/kg	34.3	45.5	41.5	18.4
Magnesium	mg/kg	4620	4710	3530	4570
Manganese	mg/kg	695	712	607	751
Nickel	mg/kg	93.9	166	40.9	33.3
Potassium	mg/kg	1660	1250 UJ	1720	2010
Selenium	mg/kg	5.1 U	4.5 U	4.5 U	4.3 U
Silver	mg/kg	1.5 U	1.3 U	1.3 U	1.2 U
Sodium	mg/kg	728 U	648 UJ	641 U	610 U
Thallium	mg/kg	3.6 U	3.2 U	3.2 U	3.0 U
Vanadium	mg/kg	22.6	18.4	21.5	29.2
Zinc	mg/kg	19500	37500	7400	810
1 PCBs in Soil by GC/EC					
Aroclor 1016	ug/kg	99 U	120 U	44 U	86 U
Aroclor 1221	ug/kg	99 U	120 U	44 U	86 U
Aroclor 1232	ug/kg	99 U	120 U	44 U	86 U
Aroclor 1242	ug/kg	99 U	120 U	44 U	86 U
Aroclor 1248	ug/kg	3700	5500	770	2700
Aroclor 1254	ug/kg	99 U	120 U	44 U	86 U
Aroclor 1260	ug/kg	99 U	120 U	44 U	86 U
Aroclor 1262	ug/kg	99 U	120 U	44 U	86 U
Aroclor 1268	ug/kg	99 U	120 U	44 U	86 U
1 Semi-Volatile Organic Compounds in Soil					
Acenaphthene	ug/kg	260 U	210 U	230 U	220 U
Acenaphthylene	ug/kg	260 U	210 U	230 U	220 U
Acetophenone	ug/kg	260 U	210 U	230 U	220 U
Anthracene	ug/kg	260 U	210 U	230 U	220 U
Atrazine	ug/kg	260 U	210 U	230 U	220 U
Benzaldehyde	ug/kg	260 U	210 U	230 U	220 U
Benzo(a)anthracene	ug/kg	260 U	290	230 U	220 U
Benzo(a)pyrene	ug/kg	360	350	230 U	220 U
Benzo(b)fluoranthene	ug/kg	780	560	230	220 U
Benzo(g,h,i)perylene	ug/kg	260 UJ	210 UJ	230 UJ	220 UJ
Benzo(k)fluoranthene	ug/kg	500	630	230 U	220 U
Biphenyl	ug/kg	260 U	210 U	230 U	220 U

Analysis/ Analyte	Units	35-__	36-__	37-__	38-__
bis(2-Chloroethoxy)methane	ug/kg	260 U	210 U	230 U	220 U
bis(2-Chloroethyl)ether	ug/kg	260 U	210 U	230 U	220 U
bis(2-Chloroisopropyl)ether	ug/kg	260 U	210 U	230 U	220 U
bis(2-Ethylhexyl)phthalate	ug/kg	260 U	210 U	230 U	220 U
4-Bromophenyl-phenylether	ug/kg	260 U	210 U	230 U	220 U
Butylbenzylphthalate	ug/kg	260 U	210 U	230 U	220 U
Caprolactam	ug/kg	260 U	210 U	230 U	220 U
Carbazole	ug/kg	260 U	210 U	230 U	220 U
4-Chloro-3-methylphenol	ug/kg	260 U	210 U	230 U	220 U
4-Chloroaniline	ug/kg	260 U	210 U	230 U	220 U
2-Chloronaphthalene	ug/kg	260 U	210 U	230 U	220 U
2-Chlorophenol	ug/kg	260 U	210 U	230 U	220 U
4-Chlorophenyl-phenylether	ug/kg	260 U	210 U	230 U	220 U
Chrysene	ug/kg	420	460	230 U	220 U
Di-n-butylphthalate	ug/kg	260 U	210 U	230 U	220 U
Di-n-octylphthalate	ug/kg	260 U	210 U	230 U	220 U
Dibenz(a,h)anthracene	ug/kg	260 U	210 U	230 U	220 U
Dibenzofuran	ug/kg	260 U	210 U	230 U	220 U
3,3'-Dichlorobenzidine	ug/kg	260 U	210 U	230 U	220 U
2,4-Dichlorophenol	ug/kg	260 U	210 U	230 U	220 U
Diethylphthalate	ug/kg	260 U	210 U	230 U	220 U
2,4-Dimethylphenol	ug/kg	260 U	210 U	230 U	220 U
Dimethylphthalate	ug/kg	260 U	210 U	230 U	220 U
4,6-Dinitro-2-methylphenol	ug/kg	500 U	400 U	450 U	430 U
2,4-Dinitrophenol	ug/kg	500 U	400 U	450 U	430 U
2,4-Dinitrotoluene	ug/kg	260 U	210 U	230 U	220 U
2,6-Dinitrotoluene	ug/kg	260 U	210 U	230 U	220 U
Fluoranthene	ug/kg	670	960	280	220 U
Fluorene	ug/kg	260 U	210 U	230 U	220 U
Hexachlorobenzene	ug/kg	260 U	210 U	230 U	220 U
Hexachlorobutadiene	ug/kg	260 U	210 U	230 U	220 U
Hexachlorocyclopentadiene	ug/kg	260 UJ	210 UJ	230 UJ	220 UJ
Hexachloroethane	ug/kg	260 U	210 U	230 U	220 U
Indeno(1,2,3-cd)pyrene	ug/kg	260 U	210 U	230 U	220 U
Isophorone	ug/kg	260 U	210 U	230 U	220 U
2-Methylnaphthalene	ug/kg	260 U	210 U	230 U	220 U
2-Methylphenol	ug/kg	260 U	210 U	230 U	220 U
4-Methylphenol	ug/kg	260 U	210 U	230 U	220 U
Naphthalene	ug/kg	260 U	210 U	230 U	220 U
2-Nitroaniline	ug/kg	500 U	400 U	450 U	430 U
3-Nitroaniline	ug/kg	500 U	400 U	450 U	430 U
4-Nitroaniline	ug/kg	500 U	400 U	450 U	430 U
Nitrobenzene	ug/kg	260 U	210 U	230 U	220 U
2-Nitrophenol	ug/kg	260 U	210 U	230 U	220 U
4-Nitrophenol	ug/kg	500 U	400 U	450 U	430 U

Analysis/ Analyte	Units	35-__	36-__	37-__	38-__
N-nitroso-di-n-propylamine	ug/kg	260 U	210 U	230 U	220 U
N-nitrosodiphenylamine	ug/kg	260 U	210 U	230 U	220 U
Pentachlorophenol	ug/kg	500 U	400 U	450 U	430 U
Phenanthrene	ug/kg	260 U	290	230 U	220 U
Phenol	ug/kg	260 U	210 U	230 U	220 U
Pyrene	ug/kg	520	720	250	220 U
1,2,4,5-Tetrachlorobenzene	ug/kg	260 U	210 U	230 U	220 U
2,4,5-Trichlorophenol	ug/kg	260 U	210 U	230 U	220 U
2,4,6-Trichlorophenol	ug/kg	260 U	210 U	230 U	220 U
1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap					
Acetone	ug/kg	280	110	120 J	99
Benzene	ug/kg	9.3 U	N/A R	N/A R	6.1 U
Bromochloromethane	ug/kg	9.3 U	6.5 U	6.8 U	6.1 U
Bromodichloromethane	ug/kg	9.3 U	N/A R	N/A R	6.1 U
Bromoform	ug/kg	N/A R	N/A R	N/A R	6.1 U
Bromomethane	ug/kg	9.3 U	6.5 U	6.8 U	6.1 U
2-Butanone	ug/kg	120	38	64 J	14
Carbon Disulfide	ug/kg	9.3 U	6.5 U	6.8 U	6.1 U
Carbon Tetrachloride	ug/kg	9.3 U	N/A R	N/A R	6.1 U
Chlorobenzene	ug/kg	9.3 U	N/A R	N/A R	6.1 U
Chloroethane	ug/kg	9.3 U	6.5 U	6.8 U	6.1 U
Chloroform	ug/kg	9.3 U	6.5 U	6.8 U	6.1 U
Chloromethane	ug/kg	9.3 U	6.5 U	6.8 U	6.1 U
Cyclohexane	ug/kg	9.3 U	N/A R	N/A R	6.1 U
1,2-Dibromo-3-Chloropropane	ug/kg	N/A R	N/A R	N/A R	6.1 U
Dibromochloromethane	ug/kg	9.3 U	N/A R	N/A R	6.1 U
1,2-Dibromoethane	ug/kg	9.3 U	N/A R	N/A R	6.1 U
1,2-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	6.1 U
1,3-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	6.1 U
1,4-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	6.1 U
Dichlorodifluoromethane	ug/kg	9.3 U	6.5 U	6.8 U	6.1 U
1,1-Dichloroethane	ug/kg	9.3 U	6.5 U	6.8 U	6.1 U
1,2-Dichloroethane	ug/kg	9.3 U	6.5 U	6.8 U	6.1 U
1,1-Dichloroethene	ug/kg	9.3 U	6.5 U	6.8 U	6.1 U
cis-1,2-Dichloroethene	ug/kg	9.3 U	6.5 U	6.8 U	6.1 U
trans-1,2-Dichloroethene	ug/kg	9.3 U	6.5 U	6.8 U	6.1 U
1,2-Dichloropropane	ug/kg	9.3 U	N/A R	N/A R	6.1 U
cis-1,3-Dichloropropene	ug/kg	9.3 U	N/A R	N/A R	6.1 U
trans-1,3-Dichloropropene	ug/kg	9.3 U	N/A R	N/A R	6.1 U
Ethyl Benzene	ug/kg	9.3 U	N/A R	N/A R	6.1 U
2-Hexanone	ug/kg	19 U	56 J	N/A R	12 U
Isopropylbenzene	ug/kg	9.3 U	N/A R	N/A R	6.1 U
Methyl Acetate	ug/kg	9.3 U	6.5 U	6.8 U	9.6
Methyl tert-butyl ether	ug/kg	9.3 U	6.5 U	6.8 U	6.1 U
Methylcyclohexane	ug/kg	9.3 U	N/A R	N/A R	6.1 U

Analysis/ Analyte	Units	35-__	36-__	37-__	38-__
Methylene Chloride	ug/kg	9.3 U	6.5 U	6.8 U	6.1 U
4-Methyl-2-Pentanone	ug/kg	19 U	N/A R	N/A R	12 U
Styrene	ug/kg	9.3 U	N/A R	N/A R	6.1 U
1,1,2,2-Tetrachloroethane	ug/kg	9.3 U	N/A R	N/A R	6.1 U
Tetrachloroethene	ug/kg	9.3 U	N/A R	N/A R	6.1 U
Toluene	ug/kg	9.3 U	N/A R	N/A R	6.1 U
1,2,3-Trichlorobenzene	ug/kg	N/A R	N/A R	N/A R	6.1 U
1,2,4-Trichlorobenzene	ug/kg	N/A R	N/A R	N/A R	6.1 U
1,1,1-Trichloroethane	ug/kg	9.3 U	N/A R	N/A R	6.1 U
1,1,2-Trichloroethane	ug/kg	9.3 U	N/A R	N/A R	6.1 U
Trichloroethene	ug/kg	9.3 U	N/A R	N/A R	6.1 U
Trichlorofluoromethane	ug/kg	9.3 U	6.5 U	6.8 U	6.1 U
1,1,2-Trichlorotrifluoroethane	ug/kg	9.3 U	6.5 U	6.8 U	6.1 U
Vinyl Chloride	ug/kg	9.3 U	6.5 U	6.8 U	6.1 U
m and/or p-Xylene	ug/kg	9.3 U	N/A R	N/A R	6.1 U
o-Xylene	ug/kg	9.3 U	N/A R	N/A R	6.1 U

Analysis/ Analyte	Units	39-__	40-__	41-__	42-__
1 Metals in Solids by ICP-AES					
Aluminum	mg/kg	14900	10800	9370	14400
Antimony	mg/kg	8.0 U	7.2 U	6.9 U	8.6 U
Arsenic	mg/kg	8.3	7.1	6.5	7.6
Barium	mg/kg	253	213	197	265
Beryllium	mg/kg	1.0	0.72 U	0.70 U	1.1
Cadmium	mg/kg	0.76 UJ	1.5	1.1	1.0
Calcium	mg/kg	10900	56200	36000	11200
Chromium	mg/kg	20.2	18.8	21.7	19.8
Cobalt	mg/kg	8.7	7.2	7.5	8.0
Copper	mg/kg	32.1	29.4	24.3	31.1
Iron	mg/kg	20000	15800	14100	19400
Lead	mg/kg	33.6	39.2	44.7	50.7
Magnesium	mg/kg	3310	2940	2690	3050
Manganese	mg/kg	714	677	680	721
Nickel	mg/kg	30.0	28.9	23.2	27.5
Potassium	mg/kg	2240	2160	1780	2350
Selenium	mg/kg	4.7 U	4.2 U	4.0 U	5.0 U
Silver	mg/kg	1.3 U	1.2 U	1.1 U	1.4 U
Sodium	mg/kg	667 U	598 U	574 U	717 U
Thallium	mg/kg	3.3 U	3.0 U	2.9 U	3.6 U
Vanadium	mg/kg	30.6	24.7	23.2	30.2
Zinc	mg/kg	1790	1670	1150	1140
1 PCBs in Soil by GC/EC					
Aroclor 1016	ug/kg	47 U	43 U	79 U	47 U
Aroclor 1221	ug/kg	47 U	43 U	79 U	47 U
Aroclor 1232	ug/kg	47 U	43 U	79 U	47 U
Aroclor 1242	ug/kg	47 U	43 U	79 U	47 U
Aroclor 1248	ug/kg	47 U	43 U	3200	47 U
Aroclor 1254	ug/kg	160 J	1200 J	79 U	47 U
Aroclor 1260	ug/kg	47 U	43 U	79 U	47 U
Aroclor 1262	ug/kg	47 U	43 U	79 U	47 U
Aroclor 1268	ug/kg	47 U	43 U	79 U	47 U
1 Semi-Volatile Organic Compounds in Soil					
Acenaphthene	ug/kg	250 U	220 U	200 U	240 U
Acenaphthylene	ug/kg	250 U	220 U	200 U	240 U
Acetophenone	ug/kg	250 U	220 U	200 U	240 U
Anthracene	ug/kg	250 U	220 U	200 U	240 U
Atrazine	ug/kg	250 U	220 U	200 U	240 U
Benzaldehyde	ug/kg	250 U	220 U	200 U	240 U
Benzo(a)anthracene	ug/kg	250 U	680	200 U	240 U
Benzo(a)pyrene	ug/kg	250 U	940	200 U	240 U
Benzo(b)fluoranthene	ug/kg	250 U	980	220	240 U
Benzo(g,h,i)perylene	ug/kg	250 UJ	220 UJ	200 UJ	240 UJ
Benzo(k)fluoranthene	ug/kg	250 U	1100	200 U	240 U
Biphenyl	ug/kg	250 U	220 U	200 U	240 U

Analysis/ Analyte	Units	39-__	40-__	41-__	42-__
bis(2-Chloroethoxy)methane	ug/kg	250 U	220 U	200 U	240 U
bis(2-Chloroethyl)ether	ug/kg	250 U	220 U	200 U	240 U
bis(2-Chloroisopropyl)ether	ug/kg	250 U	220 U	200 U	240 U
bis(2-Ethylhexyl)phthalate	ug/kg	250 U	220 U	200 U	240 U
4-Bromophenyl-phenylether	ug/kg	250 U	220 U	200 U	240 U
Butylbenzylphthalate	ug/kg	250 U	220 U	200 U	240 U
Caprolactam	ug/kg	250 U	220 U	200 U	240 U
Carbazole	ug/kg	250 U	220 U	200 U	240 U
4-Chloro-3-methylphenol	ug/kg	250 U	220 U	200 U	240 U
4-Chloroaniline	ug/kg	250 U	220 U	200 U	240 U
2-Chloronaphthalene	ug/kg	250 U	220 U	200 U	240 U
2-Chlorophenol	ug/kg	250 U	220 U	200 U	240 U
4-Chlorophenyl-phenylether	ug/kg	250 U	220 U	200 U	240 U
Chrysene	ug/kg	250 U	860	200 U	240 U
Di-n-butylphthalate	ug/kg	250 U	220 U	200 U	240 U
Di-n-octylphthalate	ug/kg	250 U	220 U	200 U	240 U
Dibenz(a,h)anthracene	ug/kg	250 U	220 U	200 U	240 U
Dibenzofuran	ug/kg	250 U	220 U	200 U	240 U
3,3'-Dichlorobenzidine	ug/kg	250 U	220 U	200 U	240 U
2,4-Dichlorophenol	ug/kg	250 U	220 U	200 U	240 U
Diethylphthalate	ug/kg	250 U	220 U	200 U	240 U
2,4-Dimethylphenol	ug/kg	250 U	220 U	200 U	240 U
Dimethylphthalate	ug/kg	250 U	220 U	200 U	240 U
4,6-Dinitro-2-methylphenol	ug/kg	480 U	430 U	400 U	470 U
2,4-Dinitrophenol	ug/kg	480 U	430 U	400 U	470 U
2,4-Dinitrotoluene	ug/kg	250 U	220 U	200 U	240 U
2,6-Dinitrotoluene	ug/kg	250 U	220 U	200 U	240 U
Fluoranthene	ug/kg	290	1300	240	270
Fluorene	ug/kg	250 U	220 U	200 U	240 U
Hexachlorobenzene	ug/kg	250 U	220 U	200 U	240 U
Hexachlorobutadiene	ug/kg	250 U	220 U	200 U	240 U
Hexachlorocyclopentadiene	ug/kg	250 UJ	220 UJ	200 UJ	240 UJ
Hexachloroethane	ug/kg	250 U	220 U	200 U	240 U
Indeno(1,2,3-cd)pyrene	ug/kg	250 U	240	200 U	240 U
Isophorone	ug/kg	250 U	220 U	200 U	240 U
2-Methylnaphthalene	ug/kg	250 U	220 U	200 U	240 U
2-Methylphenol	ug/kg	250 U	220 U	200 U	240 U
4-Methylphenol	ug/kg	250 U	220 U	200 U	240 U
Naphthalene	ug/kg	250 U	220 U	200 U	240 U
2-Nitroaniline	ug/kg	480 U	430 U	400 U	470 U
3-Nitroaniline	ug/kg	480 U	430 U	400 U	470 U
4-Nitroaniline	ug/kg	480 U	430 U	400 U	470 U
Nitrobenzene	ug/kg	250 U	220 U	200 U	240 U
2-Nitrophenol	ug/kg	250 U	220 U	200 U	240 U
4-Nitrophenol	ug/kg	480 U	430 U	400 U	470 U

Analysis/ Analyte	Units	39-__	40-__	41-__	42-__
N-nitroso-di-n-propylamine	ug/kg	250 U	220 U	200 U	240 U
N-nitrosodiphenylamine	ug/kg	250 U	220 U	200 U	240 U
Pentachlorophenol	ug/kg	480 U	430 U	400 U	470 U
Phenanthrene	ug/kg	250 U	430	200 U	240 U
Phenol	ug/kg	250 U	220 U	200 U	240 U
Pyrene	ug/kg	250 U	1300	240	240
1,2,4,5-Tetrachlorobenzene	ug/kg	250 U	220 U	200 U	240 U
2,4,5-Trichlorophenol	ug/kg	250 U	220 U	200 U	240 U
2,4,6-Trichlorophenol	ug/kg	250 U	220 U	200 U	240 U
1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap					
Acetone	ug/kg	130	110	170	100
Benzene	ug/kg	8.6 U	6.5 U	N/A R	6.8 U
Bromochloromethane	ug/kg	8.6 U	6.5 U	7.1 U	6.8 U
Bromodichloromethane	ug/kg	8.6 U	6.5 U	N/A R	6.8 U
Bromoform	ug/kg	N/A R	N/A R	N/A R	N/A R
Bromomethane	ug/kg	8.6 U	6.5 U	7.1 U	6.8 U
2-Butanone	ug/kg	17 U	13 U	24	14
Carbon Disulfide	ug/kg	8.6 U	6.5 U	7.1 U	6.8 U
Carbon Tetrachloride	ug/kg	8.6 U	6.5 U	N/A R	6.8 U
Chlorobenzene	ug/kg	8.6 U	6.5 U	N/A R	6.8 U
Chloroethane	ug/kg	8.6 U	6.5 U	7.1 U	6.8 U
Chloroform	ug/kg	8.6 U	6.5 U	7.1 U	6.8 U
Chloromethane	ug/kg	8.6 U	6.5 U	7.1 U	6.8 U
Cyclohexane	ug/kg	8.6 U	6.5 U	N/A R	6.8 U
1,2-Dibromo-3-Chloropropane	ug/kg	N/A R	N/A R	N/A R	N/A R
Dibromochloromethane	ug/kg	8.6 U	6.5 U	N/A R	6.8 U
1,2-Dibromoethane	ug/kg	8.6 U	6.5 U	N/A R	6.8 U
1,2-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,3-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,4-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
Dichlorodifluoromethane	ug/kg	8.6 U	6.5 U	7.1 U	6.8 U
1,1-Dichloroethane	ug/kg	8.6 U	6.5 U	7.1 U	6.8 U
1,2-Dichloroethane	ug/kg	8.6 U	6.5 U	7.1 UJ	6.8 U
1,1-Dichloroethene	ug/kg	8.6 U	6.5 U	7.1 U	6.8 U
cis-1,2-Dichloroethene	ug/kg	8.6 U	6.5 U	7.1 U	6.8 U
trans-1,2-Dichloroethene	ug/kg	8.6 U	6.5 U	7.1 U	6.8 U
1,2-Dichloropropane	ug/kg	8.6 U	6.5 U	N/A R	6.8 U
cis-1,3-Dichloropropene	ug/kg	8.6 U	6.5 U	N/A R	6.8 U
trans-1,3-Dichloropropene	ug/kg	8.6 U	6.5 U	N/A R	6.8 U
Ethyl Benzene	ug/kg	8.6 U	6.5 U	N/A R	6.8 U
2-Hexanone	ug/kg	17 U	13 U	N/A R	14 U
Isopropylbenzene	ug/kg	8.6 U	6.5 U	N/A R	6.8 U
Methyl Acetate	ug/kg	160	7.6	15 J	100
Methyl tert-butyl ether	ug/kg	8.6 U	6.5 U	7.1 UJ	6.8 U
Methylcyclohexane	ug/kg	8.6 U	6.5 U	N/A R	6.8 U

Analysis/ Analyte	Units	39-__	40-__	41-__	42-__
Methylene Chloride	ug/kg	8.6 U	6.5 U	7.1 UJ	6.8 U
4-Methyl-2-Pentanone	ug/kg	17 U	13 U	N/A R	14 U
Styrene	ug/kg	8.6 U	6.5 U	N/A R	6.8 U
1,1,2,2-Tetrachloroethane	ug/kg	8.6 U	6.5 U	N/A R	6.8 U
Tetrachloroethene	ug/kg	8.6 U	6.5 U	N/A R	6.8 U
Toluene	ug/kg	8.6 U	6.5 U	N/A R	6.8 U
1,2,3-Trichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,2,4-Trichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,1,1-Trichloroethane	ug/kg	8.6 U	6.5 U	N/A R	6.8 U
1,1,2-Trichloroethane	ug/kg	8.6 U	6.5 U	N/A R	6.8 U
Trichloroethene	ug/kg	8.6 U	6.5 U	N/A R	6.8 U
Trichlorofluoromethane	ug/kg	8.6 U	6.5 U	7.1 UJ	6.8 U
1,1,2-Trichlorotrifluoroethane	ug/kg	8.6 U	6.5 U	7.1 UJ	6.8 U
Vinyl Chloride	ug/kg	8.6 U	6.5 U	7.1 U	6.8 U
m and/or p-Xylene	ug/kg	8.6 U	6.5 U	N/A R	6.8 U
o-Xylene	ug/kg	8.6 U	6.5 U	N/A R	6.8 U

Analysis/ Analyte	Units	43-__	44-__	45-__	46-__
1 Metals in Solids by ICP-AES					
Aluminum	mg/kg	14100	9490	13600	14300
Antimony	mg/kg	8.2 U	8.5 U	7.7 U	7.2 U
Arsenic	mg/kg	6.4	5.7	7.8	9.5
Barium	mg/kg	238	205	248	241
Beryllium	mg/kg	1.0	0.73 U	0.97	0.97
Cadmium	mg/kg	0.91	0.71 UJ	1.0	1.3
Calcium	mg/kg	17000	135000	21700	12600
Chromium	mg/kg	19.4	14.3	19.5	23.3
Cobalt	mg/kg	7.3	7.1 U	9.2	8.2
Copper	mg/kg	30.6	28.9	29.0	30.2
Iron	mg/kg	18700	14200	19000	21400
Lead	mg/kg	36.9	33.1	79.4	59.9
Magnesium	mg/kg	3080	3000	3340	3190
Manganese	mg/kg	621	759	849	726
Nickel	mg/kg	27.2	25.7	27.5	28.9
Potassium	mg/kg	2260	1740	2390	2260
Selenium	mg/kg	4.8 U	4.9 U	4.5 U	4.2 U
Silver	mg/kg	1.4 U	1.4 U	1.3 U	1.2 U
Sodium	mg/kg	680 U	707 U	638 U	601 U
Thallium	mg/kg	3.4 U	3.5 U	3.2 U	3.0 U
Vanadium	mg/kg	28.0	22.7	28.4	33.2
Zinc	mg/kg	1400	2500	695	736
1 PCBs in Soil by GC/EC					
Aroclor 1016	ug/kg	48 U	46 U	42 U	42 U
Aroclor 1221	ug/kg	48 U	46 U	42 U	42 U
Aroclor 1232	ug/kg	48 U	46 U	42 U	42 U
Aroclor 1242	ug/kg	48 U	46 U	42 U	42 U
Aroclor 1248	ug/kg	48 U	65	42 U	42 U
Aroclor 1254	ug/kg	48 U	46 U	42 U	42 U
Aroclor 1260	ug/kg	48 U	46 U	42 U	42 U
Aroclor 1262	ug/kg	48 U	46 U	42 U	42 U
Aroclor 1268	ug/kg	48 U	46 U	42 U	42 U
1 Semi-Volatile Organic Compounds in Soil					
Acenaphthene	ug/kg	240 U	240 U	220 U	220 U
Acenaphthylene	ug/kg	240 U	240 U	220 U	220 U
Acetophenone	ug/kg	240 U	240 U	220 U	220 U
Anthracene	ug/kg	240 U	240 U	220 U	220 U
Atrazine	ug/kg	240 U	240 U	220 U	220 U
Benzaldehyde	ug/kg	240 U	240 U	220 U	220 U
Benzo(a)anthracene	ug/kg	240 U	240 U	280	220 U
Benzo(a)pyrene	ug/kg	240 U	240 U	460	220 U
Benzo(b)fluoranthene	ug/kg	240 U	290	620	270
Benzo(g,h,i)perylene	ug/kg	240 UJ	240 UJ	220 UJ	220 UJ
Benzo(k)fluoranthene	ug/kg	240 U	240 U	470	220 U
Biphenyl	ug/kg	240 U	240 U	220 U	220 U

Analysis/ Analyte	Units	43-__	44-__	45-__	46-__
bis(2-Chloroethoxy)methane	ug/kg	240 U	240 U	220 U	220 U
bis(2-Chloroethyl)ether	ug/kg	240 U	240 U	220 U	220 U
bis(2-Chloroisopropyl)ether	ug/kg	240 U	240 U	220 U	220 U
bis(2-Ethylhexyl)phthalate	ug/kg	240 U	240 U	220 U	220 U
4-Bromophenyl-phenylether	ug/kg	240 U	240 U	220 U	220 U
Butylbenzylphthalate	ug/kg	240 U	240 U	220 U	220 U
Caprolactam	ug/kg	240 U	240 U	220 U	220 U
Carbazole	ug/kg	240 U	240 U	220 U	220 U
4-Chloro-3-methylphenol	ug/kg	240 U	240 U	220 U	220 U
4-Chloroaniline	ug/kg	240 U	240 U	220 U	220 U
2-Chloronaphthalene	ug/kg	240 U	240 U	220 U	220 U
2-Chlorophenol	ug/kg	240 U	240 U	220 U	220 U
4-Chlorophenyl-phenylether	ug/kg	240 U	240 U	220 U	220 U
Chrysene	ug/kg	240 U	240 U	390	220 U
Di-n-butylphthalate	ug/kg	240 U	240 U	220 U	220 U
Di-n-octylphthalate	ug/kg	240 U	240 U	220 U	220 U
Dibenz(a,h)anthracene	ug/kg	240 U	240 U	220 U	220 U
Dibenzofuran	ug/kg	240 U	240 U	220 U	220 U
3,3'-Dichlorobenzidine	ug/kg	240 U	240 U	220 U	220 U
2,4-Dichlorophenol	ug/kg	240 U	240 U	220 U	220 U
Diethylphthalate	ug/kg	240 U	240 U	220 U	220 U
2,4-Dimethylphenol	ug/kg	240 U	240 U	220 U	220 U
Dimethylphthalate	ug/kg	240 U	240 U	220 U	220 U
4,6-Dinitro-2-methylphenol	ug/kg	470 U	470 U	420 U	430 U
2,4-Dinitrophenol	ug/kg	470 U	470 U	420 U	430 U
2,4-Dinitrotoluene	ug/kg	240 U	240 U	220 U	220 U
2,6-Dinitrotoluene	ug/kg	240 U	240 U	220 U	220 U
Fluoranthene	ug/kg	240 U	240 U	460	220 U
Fluorene	ug/kg	240 U	240 U	220 U	220 U
Hexachlorobenzene	ug/kg	240 U	240 U	220 U	220 U
Hexachlorobutadiene	ug/kg	240 U	240 U	220 U	220 U
Hexachlorocyclopentadiene	ug/kg	240 UJ	240 UJ	220 UJ	220 UJ
Hexachloroethane	ug/kg	240 U	240 U	220 U	220 U
Indeno(1,2,3-cd)pyrene	ug/kg	240 U	240 U	220 U	220 U
Isophorone	ug/kg	240 U	240 U	220 U	220 U
2-Methylnaphthalene	ug/kg	240 U	240 U	220 U	220 U
2-Methylphenol	ug/kg	240 U	240 U	220 U	220 U
4-Methylphenol	ug/kg	240 U	240 U	220 U	220 U
Naphthalene	ug/kg	240 U	240 U	220 U	220 U
2-Nitroaniline	ug/kg	470 U	470 U	420 U	430 U
3-Nitroaniline	ug/kg	470 U	470 U	420 U	430 U
4-Nitroaniline	ug/kg	470 U	470 U	420 U	430 U
Nitrobenzene	ug/kg	240 U	240 U	220 U	220 U
2-Nitrophenol	ug/kg	240 U	240 U	220 U	220 U
4-Nitrophenol	ug/kg	470 U	470 U	420 U	430 U

Analysis/ Analyte	Units	43-__	44-__	45-__	46-__
N-nitroso-di-n-propylamine	ug/kg	240 U	240 U	220 U	220 U
N-nitrosodiphenylamine	ug/kg	240 U	240 U	220 U	220 U
Pentachlorophenol	ug/kg	470 U	470 U	420 U	430 U
Phenanthrene	ug/kg	240 U	240 U	220 U	220 U
Phenol	ug/kg	240 U	240 U	220 U	220 U
Pyrene	ug/kg	240 U	240 U	430	220 U
1,2,4,5-Tetrachlorobenzene	ug/kg	240 U	240 U	220 U	220 U
2,4,5-Trichlorophenol	ug/kg	240 U	240 U	220 U	220 U
2,4,6-Trichlorophenol	ug/kg	240 U	240 U	220 U	220 U
1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap					
Acetone	ug/kg	110	100	110	120
Benzene	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
Bromochloromethane	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
Bromodichloromethane	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
Bromoform	ug/kg	N/A R	N/A R	N/A R	N/A R
Bromomethane	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
2-Butanone	ug/kg	18 U	15 U	15	14
Carbon Disulfide	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
Carbon Tetrachloride	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
Chlorobenzene	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
Chloroethane	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
Chloroform	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
Chloromethane	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
Cyclohexane	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
1,2-Dibromo-3-Chloropropane	ug/kg	N/A R	N/A R	N/A R	N/A R
Dibromochloromethane	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
1,2-Dibromoethane	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
1,2-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,3-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,4-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
Dichlorodifluoromethane	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
1,1-Dichloroethane	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
1,2-Dichloroethane	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
1,1-Dichloroethene	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
cis-1,2-Dichloroethene	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
trans-1,2-Dichloroethene	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
1,2-Dichloropropane	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
cis-1,3-Dichloropropene	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
trans-1,3-Dichloropropene	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
Ethyl Benzene	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
2-Hexanone	ug/kg	18 U	15 U	14 U	14 U
Isopropylbenzene	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
Methyl Acetate	ug/kg	93	11	59	160
Methyl tert-butyl ether	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
Methylcyclohexane	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U

Analysis/ Analyte	Units	43-__	44-__	45-__	46-__
Methylene Chloride	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
4-Methyl-2-Pentanone	ug/kg	18 U	15 U	14 U	14 U
Styrene	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
1,1,2,2-Tetrachloroethane	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
Tetrachloroethene	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
Toluene	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
1,2,3-Trichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,2,4-Trichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,1,1-Trichloroethane	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
1,1,2-Trichloroethane	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
Trichloroethene	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
Trichlorofluoromethane	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
1,1,2-Trichlorotrifluoroethane	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
Vinyl Chloride	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
m and/or p-Xylene	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U
o-Xylene	ug/kg	8.8 U	7.7 U	7.2 U	7.0 U

Analysis/ Analyte	Units	47-__	48-__	49-__	50-__
1 Metals in Solids by ICP-AES					
Aluminum	mg/kg	15000	11000	17000	16700
Antimony	mg/kg	7.3 U	7.1 U	6.8 U	8.3 U
Arsenic	mg/kg	8.8	8.1	19.5	13.0
Barium	mg/kg	269	236	256	218
Beryllium	mg/kg	1.0	0.74 U	1.1	1.0
Cadmium	mg/kg	1.1	1.5	3.2	2.5
Calcium	mg/kg	10000	29500	18800	13900
Chromium	mg/kg	22.4	20.4	38.0	39.1
Cobalt	mg/kg	9.4	9.0	12.5	8.4
Copper	mg/kg	28.0	24.1	35.5	32.9
Iron	mg/kg	20900	17600	22900	22400
Lead	mg/kg	47.9	58.1	64.2	61.9
Magnesium	mg/kg	3300	2730	3700	3660
Manganese	mg/kg	846	900	1030	582
Nickel	mg/kg	30.8	27.0	46.1	41.9
Potassium	mg/kg	2260	2140	2820	2830
Selenium	mg/kg	4.2 U	4.1 U	4.0 U	4.9 U
Silver	mg/kg	1.2 U	1.2 U	1.1 U	1.4 U
Sodium	mg/kg	606 U	593 U	566 U	694 U
Thallium	mg/kg	3.0 U	3.0 U	2.8 U	3.5 U
Vanadium	mg/kg	33.1	27.6	49.4	41.2
Zinc	mg/kg	647	886	824	680
1 PCBs in Soil by GC/EC					
Aroclor 1016	ug/kg	44 U	43 U	46 U	47 U
Aroclor 1221	ug/kg	44 U	43 U	46 U	47 U
Aroclor 1232	ug/kg	44 U	43 U	46 U	47 U
Aroclor 1242	ug/kg	44 U	43 U	46 U	47 U
Aroclor 1248	ug/kg	44 U	580	480	47 U
Aroclor 1254	ug/kg	44 U	43 U	46 U	47 U
Aroclor 1260	ug/kg	44 U	43 U	46 U	47 U
Aroclor 1262	ug/kg	44 U	43 U	46 U	47 U
Aroclor 1268	ug/kg	44 U	43 U	46 U	47 U
1 Semi-Volatile Organic Compounds in Soil					
Acenaphthene	ug/kg	230 U	220 U	240 U	240 U
Acenaphthylene	ug/kg	230 U	220 U	240 U	240 U
Acetophenone	ug/kg	230 U	220 U	240 U	240 U
Anthracene	ug/kg	230 U	220 U	240 U	240 U
Atrazine	ug/kg	230 U	220 U	240 U	240 U
Benzaldehyde	ug/kg	230 U	220 U	240 U	240 U
Benzo(a)anthracene	ug/kg	230 U	220 U	240 U	240 U
Benzo(a)pyrene	ug/kg	230 U	260	240 U	240 U
Benzo(b)fluoranthene	ug/kg	230 U	370	240 U	240 U
Benzo(g,h,i)perylene	ug/kg	230 UJ	220 UJ	240 UJ	240 UJ
Benzo(k)fluoranthene	ug/kg	230 U	310	240 U	240 U
Biphenyl	ug/kg	230 U	220 U	240 U	240 U

Analysis/ Analyte	Units	47-__	48-__	49-__	50-__
bis(2-Chloroethoxy)methane	ug/kg	230 U	220 U	240 U	240 U
bis(2-Chloroethyl)ether	ug/kg	230 U	220 U	240 U	240 U
bis(2-Chloroisopropyl)ether	ug/kg	230 U	220 U	240 U	240 U
bis(2-Ethylhexyl)phthalate	ug/kg	230 U	220 U	240 U	240 U
4-Bromophenyl-phenylether	ug/kg	230 U	220 U	240 U	240 U
Butylbenzylphthalate	ug/kg	230 U	220 U	240 U	240 U
Caprolactam	ug/kg	230 U	220 U	240 U	240 U
Carbazole	ug/kg	230 U	220 U	240 U	240 U
4-Chloro-3-methylphenol	ug/kg	230 U	220 U	240 U	240 U
4-Chloroaniline	ug/kg	230 U	220 U	240 U	240 U
2-Chloronaphthalene	ug/kg	230 U	220 U	240 U	240 U
2-Chlorophenol	ug/kg	230 U	220 U	240 U	240 U
4-Chlorophenyl-phenylether	ug/kg	230 U	220 U	240 U	240 U
Chrysene	ug/kg	230 U	220 U	240 U	240 U
Di-n-butylphthalate	ug/kg	230 U	220 U	240 U	240 U
Di-n-octylphthalate	ug/kg	230 U	220 U	240 U	240 U
Dibenz(a,h)anthracene	ug/kg	230 U	220 U	240 U	240 U
Dibenzofuran	ug/kg	230 U	220 U	240 U	240 U
3,3'-Dichlorobenzidine	ug/kg	230 U	220 U	240 U	240 U
2,4-Dichlorophenol	ug/kg	230 U	220 U	240 U	240 U
Diethylphthalate	ug/kg	230 U	220 U	240 U	240 U
2,4-Dimethylphenol	ug/kg	230 U	220 U	240 U	240 U
Dimethylphthalate	ug/kg	230 U	220 U	240 U	240 U
4,6-Dinitro-2-methylphenol	ug/kg	440 U	430 U	460 U	470 U
2,4-Dinitrophenol	ug/kg	440 U	430 U	460 U	470 U
2,4-Dinitrotoluene	ug/kg	230 U	220 U	240 U	240 U
2,6-Dinitrotoluene	ug/kg	230 U	220 U	240 U	240 U
Fluoranthene	ug/kg	230 U	310	240 U	240 U
Fluorene	ug/kg	230 U	220 U	240 U	240 U
Hexachlorobenzene	ug/kg	230 U	220 U	240 U	240 U
Hexachlorobutadiene	ug/kg	230 U	220 U	240 U	240 U
Hexachlorocyclopentadiene	ug/kg	230 UJ	220 UJ	240 UJ	240 UJ
Hexachloroethane	ug/kg	230 U	220 U	240 U	240 U
Indeno(1,2,3-cd)pyrene	ug/kg	230 U	220 U	240 U	240 U
Isophorone	ug/kg	230 U	220 U	240 U	240 U
2-Methylnaphthalene	ug/kg	230 U	220 U	240 U	240 U
2-Methylphenol	ug/kg	230 U	220 U	240 U	240 U
4-Methylphenol	ug/kg	230 U	220 U	240 U	240 U
Naphthalene	ug/kg	230 U	220 U	240 U	240 U
2-Nitroaniline	ug/kg	440 U	430 U	460 U	470 U
3-Nitroaniline	ug/kg	440 U	430 U	460 U	470 U
4-Nitroaniline	ug/kg	440 U	430 U	460 U	470 U
Nitrobenzene	ug/kg	230 U	220 U	240 U	240 U
2-Nitrophenol	ug/kg	230 U	220 U	240 U	240 U
4-Nitrophenol	ug/kg	440 U	430 U	460 U	470 U

Analysis/ Analyte	Units	47-__	48-__	49-__	50-__
N-nitroso-di-n-propylamine	ug/kg	230 U	220 U	240 U	240 U
N-nitrosodiphenylamine	ug/kg	230 U	220 U	240 U	240 U
Pentachlorophenol	ug/kg	440 U	430 U	460 U	470 U
Phenanthrene	ug/kg	230 U	220 U	240 U	240 U
Phenol	ug/kg	230 U	220 U	240 U	240 U
Pyrene	ug/kg	230 U	250	240 U	240 U
1,2,4,5-Tetrachlorobenzene	ug/kg	230 U	220 U	240 U	240 U
2,4,5-Trichlorophenol	ug/kg	230 U	220 U	240 U	240 U
2,4,6-Trichlorophenol	ug/kg	230 U	220 U	240 U	240 U
1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap					
Acetone	ug/kg	96	240	99	75
Benzene	ug/kg	6.4 U	N/A R	7.0 U	7.0 U
Bromochloromethane	ug/kg	6.4 U	7.4 U	7.0 U	7.0 U
Bromodichloromethane	ug/kg	6.4 U	N/A R	7.0 U	7.0 U
Bromoform	ug/kg	N/A R	N/A R	N/A R	N/A R
Bromomethane	ug/kg	6.4 U	7.4 U	7.0 U	7.0 U
2-Butanone	ug/kg	13 U	22	14 U	14 U
Carbon Disulfide	ug/kg	6.4 U	7.4 U	7.0 U	7.0 U
Carbon Tetrachloride	ug/kg	6.4 UJ	N/A R	7.0 U	7.0 U
Chlorobenzene	ug/kg	6.4 UJ	N/A R	7.0 U	7.0 U
Chloroethane	ug/kg	6.4 U	7.4 U	7.0 U	7.0 U
Chloroform	ug/kg	6.4 U	7.4 U	7.0 U	7.0 U
Chloromethane	ug/kg	6.4 U	7.4 U	7.0 U	7.0 U
Cyclohexane	ug/kg	6.4 U	N/A R	7.0 U	7.0 U
1,2-Dibromo-3-Chloropropane	ug/kg	N/A R	N/A R	N/A R	N/A R
Dibromochloromethane	ug/kg	6.4 U	N/A R	7.0 U	7.0 U
1,2-Dibromoethane	ug/kg	6.4 UJ	N/A R	7.0 U	7.0 U
1,2-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,3-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,4-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
Dichlorodifluoromethane	ug/kg	6.4 U	7.4 U	7.0 U	7.0 U
1,1-Dichloroethane	ug/kg	6.4 U	7.4 U	7.0 U	7.0 U
1,2-Dichloroethane	ug/kg	6.4 UJ	7.4 U	7.0 U	7.0 U
1,1-Dichloroethene	ug/kg	6.4 U	7.4 U	7.0 U	7.0 U
cis-1,2-Dichloroethene	ug/kg	6.4 U	7.4 U	7.0 U	7.0 U
trans-1,2-Dichloroethene	ug/kg	6.4 U	7.4 U	7.0 U	7.0 U
1,2-Dichloropropane	ug/kg	6.4 U	N/A R	7.0 U	7.0 U
cis-1,3-Dichloropropene	ug/kg	6.4 U	N/A R	7.0 U	7.0 U
trans-1,3-Dichloropropene	ug/kg	6.4 U	N/A R	7.0 U	7.0 U
Ethyl Benzene	ug/kg	6.4 U	N/A R	7.0 U	7.0 U
2-Hexanone	ug/kg	13 U	N/A R	14 U	14 U
Isopropylbenzene	ug/kg	6.4 U	N/A R	7.0 U	7.0 U
Methyl Acetate	ug/kg	150 J	63	46	21
Methyl tert-butyl ether	ug/kg	6.4 UJ	7.4 U	7.0 U	7.0 U
Methylcyclohexane	ug/kg	6.4 U	N/A R	7.0 U	7.0 U

Analysis/ Analyte	Units	47-__	48-__	49-__	50-__
Methylene Chloride	ug/kg	6.4 UJ	7.4 U	7.0 U	7.0 U
4-Methyl-2-Pentanone	ug/kg	13 U	N/A R	14 U	14 U
Styrene	ug/kg	6.4 U	N/A R	7.0 U	7.0 U
1,1,2,2-Tetrachloroethane	ug/kg	6.4 U	N/A R	7.0 U	7.0 U
Tetrachloroethene	ug/kg	6.4 U	N/A R	7.0 U	7.0 U
Toluene	ug/kg	6.4 U	N/A R	7.0 U	7.0 U
1,2,3-Trichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,2,4-Trichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,1,1-Trichloroethane	ug/kg	6.4 UJ	N/A R	7.0 U	7.0 U
1,1,2-Trichloroethane	ug/kg	6.4 U	7.4 U	7.0 U	7.0 U
Trichloroethene	ug/kg	6.4 U	N/A R	7.0 U	7.0 U
Trichlorofluoromethane	ug/kg	6.4 UJ	7.4 U	7.0 U	7.0 U
1,1,2-Trichlorotrifluoroethane	ug/kg	6.4 UJ	7.4 U	7.0 U	7.0 U
Vinyl Chloride	ug/kg	6.4 U	7.4 U	7.0 U	7.0 U
m and/or p-Xylene	ug/kg	6.4 U	7.4 U	7.0 U	7.0 U
o-Xylene	ug/kg	6.4 U	7.4 U	7.0 U	7.0 U

Analysis/ Analyte	Units	51-__	52-__	53-__	54-__
1 Metals in Solids by ICP-AES					
Aluminum	mg/kg	14100	15000	15000	15000
Antimony	mg/kg	6.1 U	7.1 U	5.7 U	6.7 U
Arsenic	mg/kg	9.8	11.0	9.2	8.6
Barium	mg/kg	209	306	186	264
Beryllium	mg/kg	0.91 U	0.95	0.86	0.85
Cadmium	mg/kg	1.5	1.1	1.8	1.5
Calcium	mg/kg	14400	17900	102000	39200
Chromium	mg/kg	27.9	25.6	37.6	28.8
Cobalt	mg/kg	7.4	8.8	6.5	8.4
Copper	mg/kg	29.1	53.0	47.4	55.5
Iron	mg/kg	20000	29300	19000	19900
Lead	mg/kg	53.6	67.6	42.3	55.9
Magnesium	mg/kg	3260	3850	4900	4050
Manganese	mg/kg	620	948	657	893
Nickel	mg/kg	31.4	39.1	97.5	43.9
Potassium	mg/kg	2490	2400	2490	2460
Selenium	mg/kg	3.6 U	4.1 U	3.6	3.9 U
Silver	mg/kg	1.0 U	1.2 U	0.95 U	1.1 U
Sodium	mg/kg	511 U	588 U	475 U	559 U
Thallium	mg/kg	2.6 U	2.9 U	2.4 U	2.8 U
Vanadium	mg/kg	32.6	42.3	37.6	32.3
Zinc	mg/kg	426	10500	10200	4740
1 PCBs in Soil by GC/EC					
Aroclor 1016	ug/kg	41 U	40 U	39 U	41 U
Aroclor 1221	ug/kg	41 U	40 U	39 U	41 U
Aroclor 1232	ug/kg	41 U	40 U	39 U	41 U
Aroclor 1242	ug/kg	41 U	40 U	39 U	41 U
Aroclor 1248	ug/kg	41 U	120 J	300 J	690 J
Aroclor 1254	ug/kg	41 U	40 U	39 U	41 U
Aroclor 1260	ug/kg	41 U	40 U	39 U	41 U
Aroclor 1262	ug/kg	41 U	40 U	39 U	41 U
Aroclor 1268	ug/kg	41 U	40 U	39 U	41 U
1 Semi-Volatile Organic Compounds in Soil					
Acenaphthene	ug/kg	210 U	210 U	200 U	220 U
Acenaphthylene	ug/kg	210 U	210 U	200 U	220 U
Acetophenone	ug/kg	210 U	210 U	200 U	220 U
Anthracene	ug/kg	210 U	210 U	200 U	220 U
Atrazine	ug/kg	210 U	210 U	200 U	220 U
Benzaldehyde	ug/kg	210 U	210 U	200 U	220 U
Benzo(a)anthracene	ug/kg	210 U	210 U	270	220 U
Benzo(a)pyrene	ug/kg	240	210 U	400	220 U
Benzo(b)fluoranthene	ug/kg	310	210 U	490	220 U
Benzo(g,h,i)perylene	ug/kg	210 UJ	210 UJ	200 UJ	220 UJ
Benzo(k)fluoranthene	ug/kg	260	210 U	370	220
Biphenyl	ug/kg	210 U	210 U	200 U	220 U

Analysis/ Analyte	Units	51-__	52-__	53-__	54-__
bis(2-Chloroethoxy)methane	ug/kg	210 U	210 U	200 U	220 U
bis(2-Chloroethyl)ether	ug/kg	210 U	210 U	200 U	220 U
bis(2-Chloroisopropyl)ether	ug/kg	210 U	210 U	200 U	220 U
bis(2-Ethylhexyl)phthalate	ug/kg	210 U	210 U	240	220 U
4-Bromophenyl-phenylether	ug/kg	210 U	210 U	200 U	220 U
Butylbenzylphthalate	ug/kg	210 U	210 U	200 U	220 U
Caprolactam	ug/kg	210 U	210 U	200 U	220 U
Carbazole	ug/kg	210 U	210 U	200 U	220 U
4-Chloro-3-methylphenol	ug/kg	210 U	210 U	200 U	220 U
4-Chloroaniline	ug/kg	210 U	210 U	200 U	220 U
2-Chloronaphthalene	ug/kg	210 U	210 U	200 U	220 U
2-Chlorophenol	ug/kg	210 U	210 U	200 U	220 U
4-Chlorophenyl-phenylether	ug/kg	210 U	210 U	200 U	220 U
Chrysene	ug/kg	210 U	210 U	360	220 U
Di-n-butylphthalate	ug/kg	210 U	210 U	200 U	220 U
Di-n-octylphthalate	ug/kg	210 U	210 U	200 U	220 U
Dibenz(a,h)anthracene	ug/kg	210 U	210 U	200 UJ	220 UJ
Dibenzofuran	ug/kg	210 U	210 U	200 U	220 U
3,3'-Dichlorobenzidine	ug/kg	210 U	210 U	200 U	220 U
2,4-Dichlorophenol	ug/kg	210 U	210 U	200 UJ	220 U
Diethylphthalate	ug/kg	210 U	210 U	200 U	220 U
2,4-Dimethylphenol	ug/kg	210 U	210 U	200 U	220 U
Dimethylphthalate	ug/kg	210 U	210 U	200 U	220 U
4,6-Dinitro-2-methylphenol	ug/kg	410 U	410 U	390 U	420 U
2,4-Dinitrophenol	ug/kg	410 U	410 U	390 U	420 UJ
2,4-Dinitrotoluene	ug/kg	210 U	210 U	200 U	220 U
2,6-Dinitrotoluene	ug/kg	210 U	210 U	200 U	220 U
Fluoranthene	ug/kg	240	210 U	440	220 U
Fluorene	ug/kg	210 U	210 U	200 U	220 U
Hexachlorobenzene	ug/kg	210 U	210 U	200 U	220 U
Hexachlorobutadiene	ug/kg	210 U	210 U	200 U	220 U
Hexachlorocyclopentadiene	ug/kg	210 UJ	210 UJ	200 UJ	220 UJ
Hexachloroethane	ug/kg	210 U	210 U	200 U	220 U
Indeno(1,2,3-cd)pyrene	ug/kg	210 U	210 U	200 U	220 U
Isophorone	ug/kg	210 U	210 U	200 U	220 U
2-Methylnaphthalene	ug/kg	210 U	210 U	200 U	220 U
2-Methylphenol	ug/kg	210 U	210 U	200 U	220 U
4-Methylphenol	ug/kg	210 U	210 U	200 U	220 U
Naphthalene	ug/kg	210 U	210 U	200 U	220 U
2-Nitroaniline	ug/kg	410 U	410 U	390 U	420 U
3-Nitroaniline	ug/kg	410 U	410 U	390 U	420 U
4-Nitroaniline	ug/kg	410 U	410 U	390 U	420 U
Nitrobenzene	ug/kg	210 U	210 U	200 U	220 U
2-Nitrophenol	ug/kg	210 U	210 U	200 U	220 U
4-Nitrophenol	ug/kg	410 U	410 U	390 U	420 U

Analysis/ Analyte	Units	51-__	52-__	53-__	54-__
N-nitroso-di-n-propylamine	ug/kg	210 U	210 U	200 U	220 U
N-nitrosodiphenylamine	ug/kg	210 U	210 U	200 U	220 U
Pentachlorophenol	ug/kg	410 U	410 U	390 U	420 U
Phenanthrene	ug/kg	210 U	210 U	200 U	220 U
Phenol	ug/kg	210 U	210 U	200 U	220 U
Pyrene	ug/kg	210 U	210 U	420	220 U
1,2,4,5-Tetrachlorobenzene	ug/kg	210 U	210 U	200 U	220 U
2,4,5-Trichlorophenol	ug/kg	210 U	210 U	200 U	220 U
2,4,6-Trichlorophenol	ug/kg	210 U	210 U	200 U	220 U
1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap					
Acetone	ug/kg	110	270	150	200
Benzene	ug/kg	7.2 U	N/A R	8.2 U	7.9 U
Bromochloromethane	ug/kg	7.2 U	6.5 U	8.2 U	7.9 U
Bromodichloromethane	ug/kg	7.2 U	N/A R	8.2 U	7.9 U
Bromoform	ug/kg	7.2 U	N/A R	8.2 U	N/A R
Bromomethane	ug/kg	7.2 U	6.5 U	8.2 U	7.9 U
2-Butanone	ug/kg	15	25	19	17
Carbon Disulfide	ug/kg	7.2 U	6.5 U	8.2 U	7.9 U
Carbon Tetrachloride	ug/kg	7.2 U	N/A R	8.2 U	7.9 U
Chlorobenzene	ug/kg	7.2 U	N/A R	8.2 U	7.9 U
Chloroethane	ug/kg	7.2 U	6.5 U	8.2 U	7.9 U
Chloroform	ug/kg	7.2 U	6.5 U	8.2 U	7.9 U
Chloromethane	ug/kg	7.2 U	6.5 U	8.2 U	7.9 U
Cyclohexane	ug/kg	7.2 U	N/A R	8.2 U	7.9 U
1,2-Dibromo-3-Chloropropane	ug/kg	7.2 U	N/A R	8.2 U	N/A R
Dibromochloromethane	ug/kg	7.2 U	N/A R	8.2 U	7.9 U
1,2-Dibromoethane	ug/kg	7.2 U	N/A R	8.2 U	7.9 U
1,2-Dichlorobenzene	ug/kg	7.2 U	N/A R	8.2 U	N/A R
1,3-Dichlorobenzene	ug/kg	7.2 U	N/A R	8.2 U	N/A R
1,4-Dichlorobenzene	ug/kg	7.2 U	N/A R	8.2 U	N/A R
Dichlorodifluoromethane	ug/kg	7.2 U	6.5 U	8.2 U	7.9 U
1,1-Dichloroethane	ug/kg	7.2 U	6.5 U	8.2 U	7.9 U
1,2-Dichloroethane	ug/kg	7.2 U	6.5 U	8.2 U	7.9 U
1,1-Dichloroethene	ug/kg	7.2 U	6.5 U	8.2 U	7.9 U
cis-1,2-Dichloroethene	ug/kg	7.2 U	6.5 U	8.2 U	7.9 U
trans-1,2-Dichloroethene	ug/kg	7.2 U	6.5 U	8.2 U	7.9 U
1,2-Dichloropropane	ug/kg	7.2 U	N/A R	8.2 U	7.9 U
cis-1,3-Dichloropropene	ug/kg	7.2 U	N/A R	8.2 U	7.9 U
trans-1,3-Dichloropropene	ug/kg	7.2 U	N/A R	8.2 U	7.9 U
Ethyl Benzene	ug/kg	7.2 U	N/A R	8.2 U	7.9 U
2-Hexanone	ug/kg	14 U	N/A R	16 U	16 U
Isopropylbenzene	ug/kg	7.2 U	N/A R	8.2 U	7.9 U
Methyl Acetate	ug/kg	27	17	8.2 U	7.9 U
Methyl tert-butyl ether	ug/kg	7.2 U	6.5 U	8.2 U	7.9 U
Methylcyclohexane	ug/kg	7.2 U	N/A R	8.2 U	7.9 U

Analysis/ Analyte	Units	51-__	52-__	53-__	54-__
Methylene Chloride	ug/kg	7.2 U	6.5 U	8.2 U	7.9 U
4-Methyl-2-Pentanone	ug/kg	14 U	N/A R	16 U	16 U
Styrene	ug/kg	7.2 U	N/A R	8.2 U	7.9 U
1,1,2,2-Tetrachloroethane	ug/kg	7.2 U	N/A R	8.2 U	7.9 U
Tetrachloroethene	ug/kg	7.2 U	N/A R	8.2 U	7.9 U
Toluene	ug/kg	7.2 U	N/A R	8.2 U	7.9 U
1,2,3-Trichlorobenzene	ug/kg	7.2 U	N/A R	8.2 U	N/A R
1,2,4-Trichlorobenzene	ug/kg	7.2 U	N/A R	8.2 U	N/A R
1,1,1-Trichloroethane	ug/kg	7.2 U	N/A R	8.2 U	7.9 U
1,1,2-Trichloroethane	ug/kg	7.2 U	N/A R	8.2 U	7.9 U
Trichloroethene	ug/kg	7.2 U	N/A R	8.2 U	7.9 U
Trichlorofluoromethane	ug/kg	7.2 U	6.5 U	8.2 U	7.9 U
1,1,2-Trichlorotrifluoroethane	ug/kg	7.2 U	6.5 U	8.2 U	7.9 U
Vinyl Chloride	ug/kg	7.2 U	6.5 U	8.2 U	7.9 U
m and/or p-Xylene	ug/kg	7.2 U	N/A R	8.2 U	7.9 U
o-Xylene	ug/kg	7.2 U	N/A R	8.2 U	7.9 U

Analysis/ Analyte	Units	55-__	56-__	57-__	58-__
1 Metals in Solids by ICP-AES					
Aluminum	mg/kg	16600	14300	16300	12900
Antimony	mg/kg	8.3 U	8.1 U	7.6 U	6.7 U
Arsenic	mg/kg	9.8	8.6	9.2	8.2
Barium	mg/kg	231	255	287	213
Beryllium	mg/kg	1.0	0.92	1.0	0.70
Cadmium	mg/kg	1.6	1.1	1.0	1.2
Calcium	mg/kg	48500	10400	28200	86400
Chromium	mg/kg	31.9	22.1	24.8	20.8
Cobalt	mg/kg	8.8	8.7	10.4	9.1
Copper	mg/kg	27.5	31.6	43.4	59.7
Iron	mg/kg	21400	21400	22400	16200
Lead	mg/kg	40.6	67.0	68.2	41.3
Magnesium	mg/kg	4720	3840	3900	3090
Manganese	mg/kg	729	946	848	968
Nickel	mg/kg	30.5	27.6	50.6	61.5
Potassium	mg/kg	2720	2450	2800	1880
Selenium	mg/kg	4.9 U	4.7 U	4.4 U	3.9 U
Silver	mg/kg	1.4 U	1.4 U	1.3 U	1.1 U
Sodium	mg/kg	695 U	678 U	630 U	560 U
Thallium	mg/kg	3.5 U	3.4 U	3.2 U	2.8 U
Vanadium	mg/kg	37.5	32.6	31.8	29.1
Zinc	mg/kg	480	903	3300	17900
1 PCBs in Soil by GC/EC					
Aroclor 1016	ug/kg	41 U	43 U	42 U	41 U
Aroclor 1221	ug/kg	41 U	43 U	42 U	41 U
Aroclor 1232	ug/kg	41 U	43 U	42 U	41 U
Aroclor 1242	ug/kg	41 U	43 U	42 U	41 U
Aroclor 1248	ug/kg	41 U	43 U	380 J	780
Aroclor 1254	ug/kg	41 U	43 U	42 U	41 U
Aroclor 1260	ug/kg	41 U	43 U	42 U	41 U
Aroclor 1262	ug/kg	41 U	43 U	42 U	41 U
Aroclor 1268	ug/kg	41 U	43 U	42 U	41 U
1 Semi-Volatile Organic Compounds in Soil					
Acenaphthene	ug/kg	210 U	220 U	220 U	210 U
Acenaphthylene	ug/kg	210 U	220 U	220 U	210 U
Acetophenone	ug/kg	210 U	220 U	220 U	210 U
Anthracene	ug/kg	210 U	220 U	220 U	210 U
Atrazine	ug/kg	210 U	220 U	220 U	210 U
Benzaldehyde	ug/kg	210 U	220 U	220 U	210 U
Benzo(a)anthracene	ug/kg	210 U	220 U	220 U	210 U
Benzo(a)pyrene	ug/kg	260	220 U	220 U	210 U
Benzo(b)fluoranthene	ug/kg	340	220 U	220 U	210 U
Benzo(g,h,i)perylene	ug/kg	210 UJ	220 UJ	220 U	210 U
Benzo(k)fluoranthene	ug/kg	270	220 U	220 U	210 U
Biphenyl	ug/kg	210 U	220 U	220 U	210 U

Analysis/ Analyte	Units	55-__	56-__	57-__	58-__
bis(2-Chloroethoxy)methane	ug/kg	210 U	220 U	220 U	210 U
bis(2-Chloroethyl)ether	ug/kg	210 U	220 U	220 U	210 U
bis(2-Chloroisopropyl)ether	ug/kg	210 U	220 U	220 U	210 U
bis(2-Ethylhexyl)phthalate	ug/kg	210 U	220 U	220 U	210 U
4-Bromophenyl-phenylether	ug/kg	210 U	220 U	220 U	210 U
Butylbenzylphthalate	ug/kg	210 U	220 U	220 U	210 U
Caprolactam	ug/kg	210 U	220 U	220 U	210 U
Carbazole	ug/kg	210 U	220 U	220 U	210 U
4-Chloro-3-methylphenol	ug/kg	210 U	220 U	220 U	210 U
4-Chloroaniline	ug/kg	210 U	220 U	220 U	210 U
2-Chloronaphthalene	ug/kg	210 U	220 U	220 U	210 U
2-Chlorophenol	ug/kg	210 U	220 U	220 U	210 U
4-Chlorophenyl-phenylether	ug/kg	210 U	220 U	220 U	210 U
Chrysene	ug/kg	240	220 U	220 U	210 U
Di-n-butylphthalate	ug/kg	210 U	220 U	220 U	210 U
Di-n-octylphthalate	ug/kg	210 U	220 U	220 U	210 U
Dibenz(a,h)anthracene	ug/kg	210 UJ	220 UJ	220 U	210 U
Dibenzofuran	ug/kg	210 U	220 U	220 U	210 U
3,3'-Dichlorobenzidine	ug/kg	210 U	220 U	220 U	210 U
2,4-Dichlorophenol	ug/kg	210 U	220 U	220 U	210 U
Diethylphthalate	ug/kg	210 U	220 U	220 U	210 U
2,4-Dimethylphenol	ug/kg	210 U	220 U	220 U	210 U
Dimethylphthalate	ug/kg	210 U	220 U	220 U	210 U
4,6-Dinitro-2-methylphenol	ug/kg	410 U	430 U	420 U	410 U
2,4-Dinitrophenol	ug/kg	410 UJ	430 UJ	420 U	410 U
2,4-Dinitrotoluene	ug/kg	210 U	220 U	220 U	210 U
2,6-Dinitrotoluene	ug/kg	210 U	220 U	220 U	210 U
Fluoranthene	ug/kg	300	220 U	220 U	210 U
Fluorene	ug/kg	210 U	220 U	220 U	210 U
Hexachlorobenzene	ug/kg	210 U	220 U	220 U	210 U
Hexachlorobutadiene	ug/kg	210 U	220 U	220 U	210 U
Hexachlorocyclopentadiene	ug/kg	210 UJ	220 UJ	220 U	210 U
Hexachloroethane	ug/kg	210 U	220 U	220 U	210 U
Indeno(1,2,3-cd)pyrene	ug/kg	210 U	220 U	220 U	210 U
Isophorone	ug/kg	210 U	220 U	220 U	210 U
2-Methylnaphthalene	ug/kg	210 U	220 U	220 U	210 U
2-Methylphenol	ug/kg	210 U	220 U	220 U	210 U
4-Methylphenol	ug/kg	210 U	220 U	220 U	210 U
Naphthalene	ug/kg	210 U	220 U	220 U	210 U
2-Nitroaniline	ug/kg	410 U	430 U	420 U	410 U
3-Nitroaniline	ug/kg	410 U	430 U	420 U	410 U
4-Nitroaniline	ug/kg	410 U	430 U	420 U	410 U
Nitrobenzene	ug/kg	210 U	220 U	220 U	210 U
2-Nitrophenol	ug/kg	210 U	220 U	220 U	210 U
4-Nitrophenol	ug/kg	410 U	430 U	420 U	410 U

Analysis/ Analyte	Units	55-__	56-__	57-__	58-__
N-nitroso-di-n-propylamine	ug/kg	210 U	220 U	220 U	210 U
N-nitrosodiphenylamine	ug/kg	210 U	220 U	220 U	210 U
Pentachlorophenol	ug/kg	410 U	430 U	420 U	410 U
Phenanthrene	ug/kg	210 U	220 U	220 U	210 U
Phenol	ug/kg	210 U	220 U	220 U	210 U
Pyrene	ug/kg	270	220 U	220 U	210 U
1,2,4,5-Tetrachlorobenzene	ug/kg	210 U	220 U	220 U	210 U
2,4,5-Trichlorophenol	ug/kg	210 U	220 U	220 U	210 U
2,4,6-Trichlorophenol	ug/kg	210 U	220 U	220 U	210 U
1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap					
Acetone	ug/kg	120	160	170	270
Benzene	ug/kg	7.2 U	7.1 U	9.0 U	N/A R
Bromochloromethane	ug/kg	7.2 U	7.1 U	9.0 U	6.9 U
Bromodichloromethane	ug/kg	7.2 U	7.1 U	9.0 U	N/A R
Bromoform	ug/kg	N/A R	7.1 U	N/A R	N/A R
Bromomethane	ug/kg	7.2 U	7.1 U	9.0 U	6.9 U
2-Butanone	ug/kg	14 U	16	21	55
Carbon Disulfide	ug/kg	7.2 U	7.1 U	9.0 U	6.9 U
Carbon Tetrachloride	ug/kg	7.2 U	7.1 U	9.0 U	N/A R
Chlorobenzene	ug/kg	7.2 U	7.1 U	9.0 U	N/A R
Chloroethane	ug/kg	7.2 U	7.1 U	9.0 U	6.9 U
Chloroform	ug/kg	7.2 U	7.1 U	9.0 U	6.9 U
Chloromethane	ug/kg	7.2 U	7.1 U	9.0 U	6.9 U
Cyclohexane	ug/kg	7.2 U	7.1 U	9.0 U	N/A R
1,2-Dibromo-3-Chloropropane	ug/kg	N/A R	7.1 U	N/A R	N/A R
Dibromochloromethane	ug/kg	7.2 U	7.1 U	9.0 U	N/A R
1,2-Dibromoethane	ug/kg	7.2 U	7.1 U	9.0 U	N/A R
1,2-Dichlorobenzene	ug/kg	N/A R	7.1 U	N/A R	N/A R
1,3-Dichlorobenzene	ug/kg	N/A R	7.1 U	N/A R	N/A R
1,4-Dichlorobenzene	ug/kg	N/A R	7.1 U	N/A R	N/A R
Dichlorodifluoromethane	ug/kg	7.2 U	7.1 U	9.0 U	6.9 U
1,1-Dichloroethane	ug/kg	7.2 U	7.1 U	9.0 U	6.9 U
1,2-Dichloroethane	ug/kg	7.2 U	7.1 U	9.0 U	6.9 U
1,1-Dichloroethene	ug/kg	7.2 U	7.1 U	9.0 U	6.9 U
cis-1,2-Dichloroethene	ug/kg	7.2 U	7.1 U	9.0 U	6.9 U
trans-1,2-Dichloroethene	ug/kg	7.2 U	7.1 U	9.0 U	6.9 U
1,2-Dichloropropane	ug/kg	7.2 U	7.1 U	9.0 U	N/A R
cis-1,3-Dichloropropene	ug/kg	7.2 U	7.1 U	9.0 U	N/A R
trans-1,3-Dichloropropene	ug/kg	7.2 U	7.1 U	9.0 U	N/A R
Ethyl Benzene	ug/kg	7.2 U	7.1 U	9.0 U	N/A R
2-Hexanone	ug/kg	14 U	14 U	18 U	N/A R
Isopropylbenzene	ug/kg	7.2 U	7.1 U	9.0 U	N/A R
Methyl Acetate	ug/kg	8.3	26	16	6.9 U
Methyl tert-butyl ether	ug/kg	7.2 U	7.1 U	9.0 U	6.9 U
Methylcyclohexane	ug/kg	7.2 U	7.1 U	9.0 U	N/A R

Analysis/ Analyte	Units	55-__	56-__	57-__	58-__
Methylene Chloride	ug/kg	7.2 U	7.1 U	9.0 U	6.9 U
4-Methyl-2-Pentanone	ug/kg	14 U	14 U	18 U	N/A R
Styrene	ug/kg	7.2 U	7.1 U	9.0 U	N/A R
1,1,2,2-Tetrachloroethane	ug/kg	7.2 U	7.1 U	9.0 U	N/A R
Tetrachloroethene	ug/kg	7.2 U	7.1 U	9.0 U	N/A R
Toluene	ug/kg	7.2 U	7.1 U	9.0 U	N/A R
1,2,3-Trichlorobenzene	ug/kg	N/A R	7.1 U	N/A R	N/A R
1,2,4-Trichlorobenzene	ug/kg	N/A R	7.1 U	N/A R	N/A R
1,1,1-Trichloroethane	ug/kg	7.2 U	7.1 U	9.0 U	N/A R
1,1,2-Trichloroethane	ug/kg	7.2 U	7.1 U	9.0 U	N/A R
Trichloroethene	ug/kg	7.2 U	7.1 U	9.0 U	N/A R
Trichlorofluoromethane	ug/kg	7.2 U	7.1 U	9.0 U	6.9 U
1,1,2-Trichlorotrifluoroethane	ug/kg	7.2 U	7.1 U	9.0 U	6.9 U
Vinyl Chloride	ug/kg	7.2 U	7.1 U	9.0 U	6.9 U
m and/or p-Xylene	ug/kg	7.2 U	7.1 U	9.0 U	N/A R
o-Xylene	ug/kg	7.2 U	7.1 U	9.0 U	N/A R

Analysis/ Analyte	Units	59-__	60-__	61-__	62-__
1 Metals in Solids by ICP-AES					
Aluminum	mg/kg	15000	16800	17000	16400
Antimony	mg/kg	5.7 UJ	7.1 U	7.6 U	8.2 U
Arsenic	mg/kg	13.8 J	12.8	16.5	9.5
Barium	mg/kg	178	208	240	278
Beryllium	mg/kg	0.87 J	0.99	1.1	1.1
Cadmium	mg/kg	2.6	2.8	2.4	1.2
Calcium	mg/kg	66200	18900	21800	26600
Chromium	mg/kg	42.0	44.6	35.6	21.4
Cobalt	mg/kg	7.2	7.7	13.5	9.2
Copper	mg/kg	32.7 J	36.4	35.8	31.3
Iron	mg/kg	21000	23300	32600	23700
Lead	mg/kg	50.8	54.8	67.8	76.6
Magnesium	mg/kg	4830	4030	4050	3750
Manganese	mg/kg	549 J	475	1120	949
Nickel	mg/kg	37.8	40.6	41.2	27.2
Potassium	mg/kg	2490	2800	2890	2750
Selenium	mg/kg	4.8	4.9	4.4	4.8 U
Silver	mg/kg	0.94 U	1.2 U	1.3 U	1.4 U
Sodium	mg/kg	472 UJ	592 U	633 U	681 U
Thallium	mg/kg	2.4 U	3.0 U	3.2 U	3.4 U
Vanadium	mg/kg	39.4	42.2	43.6	34.0
Zinc	mg/kg	508	1130	568	543
1 PCBs in Soil by GC/EC					
Aroclor 1016	ug/kg	43 U	44 U	42 U	75 U
Aroclor 1221	ug/kg	43 U	44 U	42 U	75 U
Aroclor 1232	ug/kg	43 U	44 U	42 U	75 U
Aroclor 1242	ug/kg	43 U	44 U	42 U	75 U
Aroclor 1248	ug/kg	43 U	110 J	53 J	990 J
Aroclor 1254	ug/kg	44	44 U	42 U	75 U
Aroclor 1260	ug/kg	43 U	44 U	42 U	75 U
Aroclor 1262	ug/kg	43 U	44 U	42 U	75 U
Aroclor 1268	ug/kg	43 U	44 U	42 U	75 U
1 Semi-Volatile Organic Compounds in Soil					
Acenaphthene	ug/kg	220 U	230 U	220 U	190 U
Acenaphthylene	ug/kg	220 U	230 U	220 U	190 U
Acetophenone	ug/kg	220 U	230 U	220 U	190 U
Anthracene	ug/kg	220 U	230 U	220 U	190 U
Atrazine	ug/kg	220 U	230 U	220 U	190 U
Benzaldehyde	ug/kg	220 U	230 U	220 U	190 U
Benzo(a)anthracene	ug/kg	220 U	230 U	220 U	190 U
Benzo(a)pyrene	ug/kg	220 U	230 U	220 U	190 U
Benzo(b)fluoranthene	ug/kg	220 U	230 U	230	280
Benzo(g,h,i)perylene	ug/kg	220 U	230 UJ	220 UJ	190 UJ
Benzo(k)fluoranthene	ug/kg	220	230 U	220 U	190 U
Biphenyl	ug/kg	220 U	230 U	220 U	190 U

Analysis/ Analyte	Units	59-__	60-__	61-__	62-__
bis(2-Chloroethoxy)methane	ug/kg	220 U	230 U	220 U	190 U
bis(2-Chloroethyl)ether	ug/kg	220 U	230 U	220 U	190 U
bis(2-Chloroisopropyl)ether	ug/kg	220 U	230 U	220 U	190 U
bis(2-Ethylhexyl)phthalate	ug/kg	220 U	230 U	220 U	190 U
4-Bromophenyl-phenylether	ug/kg	220 U	230 U	220 U	190 U
Butylbenzylphthalate	ug/kg	220 U	230 U	220 U	190 U
Caprolactam	ug/kg	220 U	230 U	220 U	190 U
Carbazole	ug/kg	220 U	230 U	220 U	190 U
4-Chloro-3-methylphenol	ug/kg	220 U	230 U	220 U	190 U
4-Chloroaniline	ug/kg	220 U	230 U	220 U	190 U
2-Chloronaphthalene	ug/kg	220 U	230 U	220 U	190 U
2-Chlorophenol	ug/kg	220 U	230 U	220 U	190 U
4-Chlorophenyl-phenylether	ug/kg	220 U	230 U	220 U	190 U
Chrysene	ug/kg	220 U	230 U	220 U	190 U
Di-n-butylphthalate	ug/kg	220 U	230 U	220 U	190 U
Di-n-octylphthalate	ug/kg	220 U	230 U	220 U	190 U
Dibenz(a,h)anthracene	ug/kg	220 U	230 UJ	220 UJ	190 UJ
Dibenzofuran	ug/kg	220 U	230 U	220 U	190 U
3,3'-Dichlorobenzidine	ug/kg	220 U	230 U	220 U	190 U
2,4-Dichlorophenol	ug/kg	220 U	230 U	220 U	190 U
Diethylphthalate	ug/kg	220 U	230 U	220 U	190 U
2,4-Dimethylphenol	ug/kg	220 U	230 U	220 U	190 U
Dimethylphthalate	ug/kg	220 U	230 U	220 U	190 U
4,6-Dinitro-2-methylphenol	ug/kg	430 U	450 U	420 U	380 U
2,4-Dinitrophenol	ug/kg	430 U	450 UJ	420 UJ	380 UJ
2,4-Dinitrotoluene	ug/kg	220 U	230 U	220 U	190 U
2,6-Dinitrotoluene	ug/kg	220 U	230 U	220 U	190 U
Fluoranthene	ug/kg	220 U	230 U	240	320
Fluorene	ug/kg	220 U	230 U	220 U	190 U
Hexachlorobenzene	ug/kg	220 U	230 U	220 U	190 U
Hexachlorobutadiene	ug/kg	220 U	230 U	220 U	190 U
Hexachlorocyclopentadiene	ug/kg	220 U	230 UJ	220 UJ	190 UJ
Hexachloroethane	ug/kg	220 U	230 U	220 U	190 U
Indeno(1,2,3-cd)pyrene	ug/kg	220 U	230 U	220 U	190 U
Isophorone	ug/kg	220 U	230 U	220 U	190 U
2-Methylnaphthalene	ug/kg	220 U	230 U	220 U	190 U
2-Methylphenol	ug/kg	220 U	230 U	220 U	190 U
4-Methylphenol	ug/kg	220 U	230 U	220 U	190 U
Naphthalene	ug/kg	220 U	230 U	220 U	190 U
2-Nitroaniline	ug/kg	430 U	450 U	420 U	380 U
3-Nitroaniline	ug/kg	430 U	450 U	420 U	380 U
4-Nitroaniline	ug/kg	430 U	450 U	420 U	380 U
Nitrobenzene	ug/kg	220 U	230 U	220 U	190 U
2-Nitrophenol	ug/kg	220 U	230 U	220 U	190 U
4-Nitrophenol	ug/kg	430 U	450 U	420 U	380 U

Analysis/ Analyte	Units	59-__	60-__	61-__	62-__
N-nitroso-di-n-propylamine	ug/kg	220 U	230 U	220 U	190 U
N-nitrosodiphenylamine	ug/kg	220 U	230 U	220 U	190 U
Pentachlorophenol	ug/kg	430 U	450 U	420 U	380 U
Phenanthrene	ug/kg	220 U	230 U	220 U	190 U
Phenol	ug/kg	220 U	230 U	220 U	190 U
Pyrene	ug/kg	220 U	230 U	220 U	210
1,2,4,5-Tetrachlorobenzene	ug/kg	220 U	230 U	220 U	190 U
2,4,5-Trichlorophenol	ug/kg	220 U	230 U	220 U	190 U
2,4,6-Trichlorophenol	ug/kg	220 U	230 U	220 U	190 U
1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap					
Acetone	ug/kg	77	110	110	150
Benzene	ug/kg	N/A R	8.1 U	6.8 U	7.2 U
Bromochloromethane	ug/kg	8.1 U	8.1 U	6.8 U	7.2 U
Bromodichloromethane	ug/kg	N/A R	8.1 U	6.8 U	7.2 U
Bromoform	ug/kg	N/A R	N/A R	6.8 U	N/A R
Bromomethane	ug/kg	8.1 U	8.1 U	6.8 U	7.2 U
2-Butanone	ug/kg	16 U	16 U	16	21
Carbon Disulfide	ug/kg	8.1 U	8.1 U	6.8 U	7.2 U
Carbon Tetrachloride	ug/kg	N/A R	8.1 U	6.8 U	7.2 U
Chlorobenzene	ug/kg	N/A R	8.1 U	6.8 U	7.2 U
Chloroethane	ug/kg	8.1 U	8.1 U	6.8 U	7.2 U
Chloroform	ug/kg	8.1 U	8.1 U	6.8 U	7.2 U
Chloromethane	ug/kg	8.1 U	8.1 U	6.8 U	7.2 U
Cyclohexane	ug/kg	N/A R	8.1 U	6.8 U	7.2 U
1,2-Dibromo-3-Chloropropane	ug/kg	N/A R	N/A R	6.8 U	N/A R
Dibromochloromethane	ug/kg	N/A R	8.1 U	6.8 U	7.2 U
1,2-Dibromoethane	ug/kg	N/A R	8.1 U	6.8 U	7.2 U
1,2-Dichlorobenzene	ug/kg	N/A R	N/A R	6.8 U	N/A R
1,3-Dichlorobenzene	ug/kg	N/A R	N/A R	6.8 U	N/A R
1,4-Dichlorobenzene	ug/kg	N/A R	N/A R	6.8 U	N/A R
Dichlorodifluoromethane	ug/kg	8.1 U	8.1 U	6.8 U	7.2 U
1,1-Dichloroethane	ug/kg	8.1 U	8.1 U	6.8 U	7.2 U
1,2-Dichloroethane	ug/kg	8.1 U	8.1 U	6.8 U	7.2 U
1,1-Dichloroethene	ug/kg	8.1 U	8.1 U	6.8 U	7.2 U
cis-1,2-Dichloroethene	ug/kg	8.1 U	8.1 U	6.8 U	7.2 U
trans-1,2-Dichloroethene	ug/kg	8.1 U	8.1 U	6.8 U	7.2 U
1,2-Dichloropropane	ug/kg	N/A R	8.1 U	6.8 U	7.2 U
cis-1,3-Dichloropropene	ug/kg	N/A R	8.1 U	6.8 U	7.2 U
trans-1,3-Dichloropropene	ug/kg	N/A R	8.1 U	6.8 U	7.2 U
Ethyl Benzene	ug/kg	N/A R	8.1 U	6.8 U	7.2 U
2-Hexanone	ug/kg	N/A R	16 U	14 U	14 U
Isopropylbenzene	ug/kg	N/A R	8.1 U	6.8 U	7.2 U
Methyl Acetate	ug/kg	8.1 U	12	6.8 U	35
Methyl tert-butyl ether	ug/kg	8.1 U	8.1 U	6.8 U	7.2 U
Methylcyclohexane	ug/kg	N/A R	8.1 U	6.8 U	7.2 U

Analysis/ Analyte	Units	59-__	60-__	61-__	62-__
Methylene Chloride	ug/kg	8.1 U	8.1 U	6.8 U	7.2 U
4-Methyl-2-Pentanone	ug/kg	N/A R	16 U	14 U	14 U
Styrene	ug/kg	N/A R	8.1 U	6.8 U	7.2 U
1,1,2,2-Tetrachloroethane	ug/kg	N/A R	8.1 U	6.8 U	7.2 U
Tetrachloroethene	ug/kg	N/A R	8.1 U	6.8 U	7.2 U
Toluene	ug/kg	N/A R	8.1 U	6.8 U	7.2 U
1,2,3-Trichlorobenzene	ug/kg	N/A R	N/A R	6.8 U	N/A R
1,2,4-Trichlorobenzene	ug/kg	N/A R	N/A R	6.8 U	N/A R
1,1,1-Trichloroethane	ug/kg	N/A R	8.1 U	6.8 U	7.2 U
1,1,2-Trichloroethane	ug/kg	N/A R	8.1 U	6.8 U	7.2 U
Trichloroethene	ug/kg	N/A R	8.1 U	6.8 U	7.2 U
Trichlorofluoromethane	ug/kg	8.1 U	8.1 U	6.8 U	7.2 U
1,1,2-Trichlorotrifluoroethane	ug/kg	8.1 U	8.1 U	6.8 U	7.2 U
Vinyl Chloride	ug/kg	8.1 U	8.1 U	6.8 U	7.2 U
m and/or p-Xylene	ug/kg	N/A R	8.1 U	6.8 U	7.2 U
o-Xylene	ug/kg	N/A R	8.1 U	6.8 U	7.2 U

Analysis/ Analyte	Units	63-__	64-__	65-__	66-__
1 Metals in Solids by ICP-AES					
Aluminum	mg/kg	15200	14800	15800	12800
Antimony	mg/kg	7.1	7.2 U	9.3 U	8.1 U
Arsenic	mg/kg	45.0	46.8	26.3	15.6
Barium	mg/kg	671	852	488	341
Beryllium	mg/kg	0.58	0.79	0.79	0.67 U
Cadmium	mg/kg	1.9	1.3	5.8	3.5
Calcium	mg/kg	36200	45100	82800	28000
Chromium	mg/kg	39.7	30.5	44.9	35.1
Cobalt	mg/kg	6.2	8.6	8.2	6.7 U
Copper	mg/kg	242	140	205	187
Iron	mg/kg	28900	34700	25800	17700
Lead	mg/kg	39.1	33.6	58.3	42.5
Magnesium	mg/kg	2410	3360	3630	2820
Manganese	mg/kg	2000	2310	1280	810
Nickel	mg/kg	27.8	24.4	33.7	26.3
Potassium	mg/kg	1620	2010	2190	1450
Selenium	mg/kg	4.0 U	4.2 U	5.4 U	4.7 U
Silver	mg/kg	1.1 U	1.2 U	1.6 UJ	1.3 UJ
Sodium	mg/kg	566 U	601 U	775 U	674 U
Thallium	mg/kg	3.0	3.3	3.9 U	3.4 U
Vanadium	mg/kg	19.6	25.5	25.3	23.7
Zinc	mg/kg	7270	3020	5310	10200
1 PCBs in Soil by GC/EC					
Aroclor 1016	ug/kg	64 U	45 U	48 U	110 U
Aroclor 1221	ug/kg	64 U	45 U	48 U	110 U
Aroclor 1232	ug/kg	64 U	45 U	48 U	110 U
Aroclor 1242	ug/kg	64 U	45 U	48 U	110 U
Aroclor 1248	ug/kg	410 J	110	260 J	4400
Aroclor 1254	ug/kg	64 U	45 U	48 U	110 U
Aroclor 1260	ug/kg	64 U	45 U	48 U	110 U
Aroclor 1262	ug/kg	64 U	45 U	48 U	110 U
Aroclor 1268	ug/kg	64 U	45 U	48 U	110 U
1 Semi-Volatile Organic Compounds in Soil					
Acenaphthene	ug/kg	330 U	230 U	240 U	280 U
Acenaphthylene	ug/kg	330 U	230 U	240 U	280 U
Acetophenone	ug/kg	330 U	230 U	240 U	280 U
Anthracene	ug/kg	330 U	230 U	240 U	280 U
Atrazine	ug/kg	330 U	230 U	240 U	280 U
Benzaldehyde	ug/kg	330 U	230 U	240 U	280 U
Benzo(a)anthracene	ug/kg	330 U	230 U	240 U	290
Benzo(a)pyrene	ug/kg	N/A R	230 U	240 U	350
Benzo(b)fluoranthene	ug/kg	N/A R	230 U	240 U	420
Benzo(g,h,i)perylene	ug/kg	N/A R	230 UJ	240 UJ	280 UJ
Benzo(k)fluoranthene	ug/kg	N/A R	230 U	240 U	280 U
Biphenyl	ug/kg	330 U	230 U	240 U	280 U

Analysis/ Analyte	Units	63-__	64-__	65-__	66-__
bis(2-Chloroethoxy)methane	ug/kg	330 U	230 U	240 U	280 U
bis(2-Chloroethyl)ether	ug/kg	330 U	230 U	240 U	280 U
bis(2-Chloroisopropyl)ether	ug/kg	330 U	230 U	240 U	280 U
bis(2-Ethylhexyl)phthalate	ug/kg	330 U	230 U	240 U	280 U
4-Bromophenyl-phenylether	ug/kg	330 U	230 U	240 U	280 U
Butylbenzylphthalate	ug/kg	330 U	230 U	600	280 U
Caprolactam	ug/kg	330 U	230 U	240 U	280 U
Carbazole	ug/kg	330 U	230 U	240 U	280 U
4-Chloro-3-methylphenol	ug/kg	330 U	230 U	240 U	280 U
4-Chloroaniline	ug/kg	330 U	230 U	240 U	280 U
2-Chloronaphthalene	ug/kg	330 U	230 U	240 U	280 U
2-Chlorophenol	ug/kg	330 U	230 U	240 U	280 U
4-Chlorophenyl-phenylether	ug/kg	330 U	230 U	240 U	280 U
Chrysene	ug/kg	330 U	230 U	240 U	560
Di-n-butylphthalate	ug/kg	330 U	230 U	240 U	280 U
Di-n-octylphthalate	ug/kg	330 U	230 U	240 U	280 U
Dibenz(a,h)anthracene	ug/kg	N/A R	230 UJ	240 UJ	280 UJ
Dibenzofuran	ug/kg	330 U	230 U	240 U	280 U
3,3'-Dichlorobenzidine	ug/kg	330 U	230 U	240 U	280 U
2,4-Dichlorophenol	ug/kg	330 U	230 U	240 U	280 U
Diethylphthalate	ug/kg	330 U	230 U	240 U	280 U
2,4-Dimethylphenol	ug/kg	330 U	230 U	240 U	280 U
Dimethylphthalate	ug/kg	330 U	230 U	240 U	280 U
4,6-Dinitro-2-methylphenol	ug/kg	640 U	440 U	470 U	540 U
2,4-Dinitrophenol	ug/kg	640 UJ	440 UJ	470 UJ	540 UJ
2,4-Dinitrotoluene	ug/kg	330 U	230 U	240 U	280 U
2,6-Dinitrotoluene	ug/kg	330 U	230 U	240 U	280 U
Fluoranthene	ug/kg	330 U	230 U	240 U	490
Fluorene	ug/kg	330 U	230 U	240 U	280 U
Hexachlorobenzene	ug/kg	330 U	230 U	240 U	280 U
Hexachlorobutadiene	ug/kg	330 U	230 U	240 U	280 U
Hexachlorocyclopentadiene	ug/kg	330 U	230 UJ	240 UJ	280 UJ
Hexachloroethane	ug/kg	330 U	230 U	240 U	280 U
Indeno(1,2,3-cd)pyrene	ug/kg	N/A R	230 UJ	240 UJ	280 UJ
Isophorone	ug/kg	330 U	230 U	240 U	280 U
2-Methylnaphthalene	ug/kg	330 U	230 U	240 U	280 U
2-Methylphenol	ug/kg	330 U	230 U	240 U	280 U
4-Methylphenol	ug/kg	330 U	230 U	240 U	280 U
Naphthalene	ug/kg	330 U	230 U	240 U	280 U
2-Nitroaniline	ug/kg	640 U	440 U	470 U	540 U
3-Nitroaniline	ug/kg	640 U	440 U	470 U	540 U
4-Nitroaniline	ug/kg	640 U	440 U	470 U	540 U
Nitrobenzene	ug/kg	330 U	230 U	240 U	280 U
2-Nitrophenol	ug/kg	330 U	230 U	240 U	280 U
4-Nitrophenol	ug/kg	640 U	440 U	470 U	540 U

Analysis/ Analyte	Units	63-__	64-__	65-__	66-__
N-nitroso-di-n-propylamine	ug/kg	330 U	230 U	240 U	280 U
N-nitrosodiphenylamine	ug/kg	330 U	230 U	240 U	280 U
Pentachlorophenol	ug/kg	640 U	440 U	470 U	540 U
Phenanthrene	ug/kg	330 U	230 U	240 U	280 U
Phenol	ug/kg	330 U	230 U	240 U	280 U
Pyrene	ug/kg	330 U	230 U	240 U	460
1,2,4,5-Tetrachlorobenzene	ug/kg	330 U	230 U	240 U	280 U
2,4,5-Trichlorophenol	ug/kg	330 U	230 U	240 U	280 U
2,4,6-Trichlorophenol	ug/kg	330 U	230 U	240 U	280 U
1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap					
Acetone	ug/kg	430	200	220	230
Benzene	ug/kg	N/A R	6.6 U	8.2 U	N/A R
Bromochloromethane	ug/kg	12 U	6.6 U	8.2 U	13 U
Bromodichloromethane	ug/kg	N/A R	6.6 U	8.2 U	N/A R
Bromoform	ug/kg	N/A R	N/A R	N/A R	N/A R
Bromomethane	ug/kg	12 U	6.6 U	8.2 U	13 U
2-Butanone	ug/kg	65	25	23	44
Carbon Disulfide	ug/kg	12 U	6.6 U	8.2 U	13 U
Carbon Tetrachloride	ug/kg	N/A R	6.6 U	8.2 U	N/A R
Chlorobenzene	ug/kg	N/A R	6.6 U	8.2 U	N/A R
Chloroethane	ug/kg	12 U	6.6 U	8.2 U	13 U
Chloroform	ug/kg	12 U	6.6 U	8.2 U	13 U
Chloromethane	ug/kg	12 U	6.6 U	8.2 U	13 U
Cyclohexane	ug/kg	N/A R	6.6 U	8.2 U	N/A R
1,2-Dibromo-3-Chloropropane	ug/kg	N/A R	N/A R	N/A R	N/A R
Dibromochloromethane	ug/kg	N/A R	6.6 U	8.2 U	N/A R
1,2-Dibromoethane	ug/kg	N/A R	6.6 U	8.2 U	N/A R
1,2-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,3-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,4-Dichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
Dichlorodifluoromethane	ug/kg	12 U	6.6 U	8.2 U	13 U
1,1-Dichloroethane	ug/kg	12 U	6.6 U	8.2 U	13 U
1,2-Dichloroethane	ug/kg	12 U	6.6 U	8.2 U	13 UJ
1,1-Dichloroethene	ug/kg	12 U	6.6 U	8.2 U	13 U
cis-1,2-Dichloroethene	ug/kg	12 U	6.6 U	8.2 U	13 U
trans-1,2-Dichloroethene	ug/kg	12 U	6.6 U	8.2 U	13 U
1,2-Dichloropropane	ug/kg	N/A R	6.6 U	8.2 U	N/A R
cis-1,3-Dichloropropene	ug/kg	N/A R	6.6 U	8.2 U	N/A R
trans-1,3-Dichloropropene	ug/kg	N/A R	6.6 U	8.2 U	N/A R
Ethyl Benzene	ug/kg	N/A R	6.6 U	8.2 U	N/A R
2-Hexanone	ug/kg	N/A R	13 U	16 U	N/A R
Isopropylbenzene	ug/kg	N/A R	6.6 U	8.2 U	N/A R
Methyl Acetate	ug/kg	12 U	6.6 U	8.2 U	13 UJ
Methyl tert-butyl ether	ug/kg	12 U	6.6 U	8.2 U	13 UJ
Methylcyclohexane	ug/kg	N/A R	6.6 U	8.2 U	N/A R

Analysis/ Analyte	Units	63-__	64-__	65-__	66-__
Methylene Chloride	ug/kg	12 U	6.6 U	8.2 U	13 UJ
4-Methyl-2-Pentanone	ug/kg	28 J	13 U	16 U	N/A R
Styrene	ug/kg	N/A R	6.6 U	8.2 U	N/A R
1,1,2,2-Tetrachloroethane	ug/kg	N/A R	6.6 U	8.2 U	N/A R
Tetrachloroethene	ug/kg	N/A R	6.6 U	8.2 U	N/A R
Toluene	ug/kg	N/A R	6.6 U	8.2 U	N/A R
1,2,3-Trichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,2,4-Trichlorobenzene	ug/kg	N/A R	N/A R	N/A R	N/A R
1,1,1-Trichloroethane	ug/kg	N/A R	6.6 U	8.2 U	N/A R
1,1,2-Trichloroethane	ug/kg	N/A R	6.6 U	8.2 U	N/A R
Trichloroethene	ug/kg	N/A R	6.6 U	8.2 U	N/A R
Trichlorofluoromethane	ug/kg	12 U	6.6 U	8.2 U	13 UJ
1,1,2-Trichlorotrifluoroethane	ug/kg	12 U	6.6 U	8.2 U	13 UJ
Vinyl Chloride	ug/kg	12 U	6.6 U	8.2 U	13 U
m and/or p-Xylene	ug/kg	N/A R	6.6 U	8.2 U	N/A R
o-Xylene	ug/kg	N/A R	6.6 U	8.2 U	N/A R

ASR Number: 5104 **RLAB Approved Sample Analysis Results** **11/24/2010**

Project ID: MDA7X300 **Project Desc:** Former Lyons Diecasting Company - Removal Assessment sampling

Analysis/ Analyte	Units	101-__	102-__	103-__	104-__
1 PCBs in Hazardous by GC/EC					
Aroclor 1016	mg/kg	1.5 U	1.4 U	6.2 U	5.5 U
Aroclor 1221	mg/kg	1.5 U	1.4 U	6.2 U	5.5 U
Aroclor 1232	mg/kg	1.5 U	1.4 U	6.2 U	5.5 U
Aroclor 1242	mg/kg	1.5 U	9.7	16	10
Aroclor 1248	mg/kg	1.5 U	1.4 U	6.2 U	5.5 U
Aroclor 1254	mg/kg	0.77 U	0.71 U	3.1 U	2.8 U
Aroclor 1260	mg/kg	0.62 U	0.57 U	2.5 U	2.2 U

ASR Number: 5104 **RLAB Approved Sample Analysis Results** **11/24/2010**

Project ID: MDA7X300 **Project Desc:** Former Lyons Diecasting Company - Removal Assessment sampling

Analysis/ Analyte	Units	105-__	106-__	107-__	108-__
1 PCBs in Hazardous by GC/EC					
Aroclor 1016	mg/kg	1.4 U	6.4 U	103 U	13 U
Aroclor 1221	mg/kg	1.4 U	6.4 U	103 U	13 U
Aroclor 1232	mg/kg	1.4 U	6.4 U	103 U	13 U
Aroclor 1242	mg/kg	5.2	19	450	100
Aroclor 1248	mg/kg	1.4 U	6.4 U	103 U	13 U
Aroclor 1254	mg/kg	0.69 U	3.2 U	51 U	6.7 U
Aroclor 1260	mg/kg	0.56 U	2.5 U	41 U	5.3 U

Analysis/ Analyte	Units	109-__	110-__	201-__	202-__
1 PCBs in Hazardous by GC/EC					
Aroclor 1016	mg/kg	6.4 U	15 U		
Aroclor 1221	mg/kg	6.4 U	15 U		
Aroclor 1232	mg/kg	6.4 U	15 U		
Aroclor 1242	mg/kg	42	72		
Aroclor 1248	mg/kg	6.4 U	15 U		
Aroclor 1254	mg/kg	3.2 U	7.5 U		
Aroclor 1260	mg/kg	2.5 U	6.0 U		
1 Metals in Water by ICP/MS					
Antimony	ug/L			2.0 U	2.0 U
Arsenic	ug/L			1.4	5.9
Barium	ug/L			359	299
Beryllium	ug/L			1.0 U	1.0 U
Cadmium	ug/L			1.0 U	1.0 U
Chromium	ug/L			2.0 U	2.0 U
Cobalt	ug/L			1.0 U	5.2
Copper	ug/L			2.0 U	8.3
Lead	ug/L			1.0 U	52.3
Manganese	ug/L			353	3280
Nickel	ug/L			1.4	11.3
Selenium	ug/L			5.0 U	5.0 U
Silver	ug/L			1.0 U	1.0 U
Thallium	ug/L			1.0 U	1.0 U
Vanadium	ug/L			1.0 U	14.5
Zinc	ug/L			2.0 U	89.3
1 Pesticides in Water by GC/EC					
Aroclor 1016	ug/L			0.375 U	0.375 U
Aroclor 1221	ug/L			0.40 U	0.40 U
Aroclor 1232	ug/L			0.40 U	0.40 U
Aroclor 1242	ug/L			0.38 U	0.38 U
Aroclor 1248	ug/L			0.38 U	0.38 U
Aroclor 1254	ug/L			0.25 U	0.25 U
Aroclor 1260	ug/L			0.20 U	0.20 U
1 Semi-Volatile Organic Compounds in Water					
Acenaphthene	ug/L			2 U	10 UJ
Acenaphthylene	ug/L			2 U	10 UJ
Anthracene	ug/L			2 U	10 UJ
Benzo(a)anthracene	ug/L			2 U	10 UJ
Benzo(a)pyrene	ug/L			2 U	10 UJ
Benzo(b)fluoranthene	ug/L			2 U	10 UJ
Benzo(g,h,i)perylene	ug/L			2 U	10 UJ
Benzo(k)fluoranthene	ug/L			2 U	10 UJ
Benzoic acid	ug/L			10 U	50 U
Benzyl alcohol	ug/L			5 U	25 U
bis(2-Chloroethoxy)methane	ug/L			2 U	10 UJ
bis(2-Chloroethyl)ether	ug/L			2 U	10 UJ

Analysis/ Analyte	Units	109-__	110-__	201-__	202-__
bis(2-Chloroisopropyl)ether	ug/L			2 U	10 UJ
bis(2-Ethylhexyl)phthalate	ug/L			12 U	25 UJ
4-Bromophenyl-phenylether	ug/L			2 U	10 UJ
Butylbenzylphthalate	ug/L			5 U	25 UJ
Carbazole	ug/L			5 U	25 UJ
4-Chloro-3-methylphenol	ug/L			5 U	25 U
4-Chloroaniline	ug/L			10 U	50 UJ
2-Chloronaphthalene	ug/L			2 U	10 UJ
2-Chlorophenol	ug/L			5 U	25 U
4-Chlorophenyl-phenylether	ug/L			2 U	10 UJ
Chrysene	ug/L			2 U	10 UJ
Di-n-butylphthalate	ug/L			5 U	25 UJ
Di-n-octylphthalate	ug/L			5 U	25 UJ
Dibenz(a,h)anthracene	ug/L			2 U	10 UJ
Dibenzofuran	ug/L			2 U	10 UJ
1,2-Dichlorobenzene	ug/L			2 U	10 UJ
1,3-Dichlorobenzene	ug/L			2 U	10 UJ
1,4-Dichlorobenzene	ug/L			2 U	10 UJ
3,3'-Dichlorobenzidine	ug/L			10 U	50 UJ
2,4-Dichlorophenol	ug/L			5 U	25 U
Diethylphthalate	ug/L			2 U	10 UJ
2,4-Dimethylphenol	ug/L			2 U	10 U
Dimethylphthalate	ug/L			2 U	10 UJ
4,6-Dinitro-2-methylphenol	ug/L			10 U	50 U
2,4-Dinitrophenol	ug/L			10 UJ	50 UJ
2,4-Dinitrotoluene	ug/L			2 U	10 UJ
2,6-Dinitrotoluene	ug/L			2 U	10 UJ
Fluoranthene	ug/L			2 U	10 UJ
Fluorene	ug/L			2 U	10 UJ
Hexachlorobenzene	ug/L			2 U	10 UJ
Hexachlorobutadiene	ug/L			2 U	10 UJ
Hexachlorocyclopentadiene	ug/L			2 U	10 UJ
Hexachloroethane	ug/L			2 U	10 UJ
Indeno(1,2,3-cd)pyrene	ug/L			2 U	10 UJ
Isophorone	ug/L			2 U	10 UJ
2-Methylnaphthalene	ug/L			2 U	10 UJ
2-Methylphenol	ug/L			5 U	25 U
4-Methylphenol	ug/L			5 U	25 U
Naphthalene	ug/L			2 U	10 UJ
2-Nitroaniline	ug/L			5 U	25 UJ
3-Nitroaniline	ug/L			5 U	25 UJ
4-Nitroaniline	ug/L			10 U	50 UJ
Nitrobenzene	ug/L			2 U	10 UJ
2-Nitrophenol	ug/L			5 U	25 U
4-Nitrophenol	ug/L			10 UJ	50 UJ

Analysis/ Analyte	Units	109-__	110-__	201-__	202-__
N-nitroso-di-n-propylamine	ug/L			5 U	25 UJ
N-nitrosodiphenylamine	ug/L			2 U	10 UJ
Pentachlorophenol	ug/L			5 U	25 U
Phenanthrene	ug/L			2 U	10 UJ
Phenol	ug/L			2 U	10 U
Pyrene	ug/L			2 U	10 UJ
1,2,4-Trichlorobenzene	ug/L			2 U	10 UJ
2,4,5-Trichlorophenol	ug/L			5 U	25 U
2,4,6-Trichlorophenol	ug/L			5 U	25 U
1 Semi-Volatile TPH (DRO & ORO) in Water by GC/FID					
TPH DRO	mg/L			N/A O	0.1 U
TPH ORO	mg/L			N/A O	2 U
1 TPH Volatiles in water by GC/MS					
Purgeable TPH	ug/L			50 U	50 U
1 VOCs in Water by GC/MS for Low Detection Limits					
Acetone	ug/L			5.0 U	13 J
Benzene	ug/L			1.0 U	1.0 U
Bromodichloromethane	ug/L			1.0 U	1.0 U
Bromoform	ug/L			1.0 U	1.0 U
Bromomethane	ug/L			1.0 U	1.0 U
2-Butanone	ug/L			5.0 U	5.0 U
Carbon Disulfide	ug/L			1.0 U	1.0 U
Carbon Tetrachloride	ug/L			1.0 U	1.0 U
Chlorobenzene	ug/L			1.0 U	1.0 U
Chloroethane	ug/L			1.0 U	1.0 U
Chloroform	ug/L			1.0 U	1.0 U
Chloromethane	ug/L			1.0 U	1.0 U
Cyclohexane	ug/L			1.0 U	1.0 U
1,2-Dibromo-3-Chloropropane	ug/L			5.0 U	5.0 U
Dibromochloromethane	ug/L			1.0 U	1.0 U
1,2-Dibromoethane	ug/L			1.0 U	1.0 U
1,2-Dichlorobenzene	ug/L			1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L			1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L			1.0 U	1.0 U
Dichlorodifluoromethane	ug/L			1.0 U	1.0 U
1,1-Dichloroethane	ug/L			1.0 U	1.0 U
1,2-Dichloroethane	ug/L			1.0 U	1.0 U
1,1-Dichloroethene	ug/L			1.0 U	1.0 U
cis-1,2-Dichloroethene	ug/L			1.0 U	1.0 U
trans-1,2-Dichloroethene	ug/L			1.0 U	1.0 U
1,2-Dichloropropane	ug/L			1.0 U	1.0 U
cis-1,3-Dichloropropene	ug/L			1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L			1.0 U	1.0 U
Ethyl Benzene	ug/L			1.0 U	1.0 U
2-Hexanone	ug/L			2.0 U	2.0 U

Analysis/ Analyte	Units	109-__	110-__	201-__	202-__
Isopropylbenzene	ug/L			1.0 U	1.0 U
Methyl Acetate	ug/L			5.0 U	5.0 U
Methyl tert-butyl ether	ug/L			1.0 U	1.0 U
Methylcyclohexane	ug/L			1.0 U	1.0 U
Methylene Chloride	ug/L			1.0 U	1.0 U
4-Methyl-2-Pentanone	ug/L			1.0 U	1.0 U
Naphthalene	ug/L			2.0 U	2.0 U
Styrene	ug/L			1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L			5.0 U	5.0 U
Tetrachloroethene	ug/L			1.0 U	1.0 U
Toluene	ug/L			1.0 U	1.0 U
1,2,3-Trichlorobenzene	ug/L			1.0 U	1.0 U
1,2,4-Trichlorobenzene	ug/L			1.0 U	1.0 U
1,1,1-Trichloroethane	ug/L			1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L			1.0 U	1.0 U
Trichloroethene	ug/L			1.0 U	1.0 U
Trichlorofluoromethane	ug/L			1.0 U	1.0 U
1,1,2-Trichlorotrifluoroethane	ug/L			1.0 U	1.0 U
Vinyl Chloride	ug/L			1.0 U	1.0 U
m and/or p-Xylene	ug/L			1.0 U	1.0 U
o-Xylene	ug/L			1.0 U	1.0 U

Analysis/ Analyte	Units	203-__	204-__	205-__	206-__
1 Metals in Water by ICP/MS					
Antimony	ug/L	2.0 U	2.0 U	2.0 U	2.0 U
Arsenic	ug/L	2.6	2.0	2.1	2.1
Barium	ug/L	279	195	185	217
Beryllium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Chromium	ug/L	2.0 U	2.0 U	2.0 U	2.0 U
Cobalt	ug/L	2.1	1.0 U	1.0 U	1.0 U
Copper	ug/L	12.1	2.1	2.0 U	2.0 U
Lead	ug/L	7.2	1.0 U	1.0 U	1.0 U
Manganese	ug/L	1380	344	363	438
Nickel	ug/L	10.0	2.7	3.0	3.2
Selenium	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Silver	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Thallium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Vanadium	ug/L	8.2	1.9	1.9	2.1
Zinc	ug/L	331	2.9	3.1	7.3
1 Pesticides in Water by GC/EC					
Aroclor 1016	ug/L	0.375 U	0.375 U	0.375 U	0.375 U
Aroclor 1221	ug/L	0.40 U	0.40 U	0.40 U	0.40 U
Aroclor 1232	ug/L	0.40 U	0.40 U	0.40 U	0.40 U
Aroclor 1242	ug/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor 1248	ug/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor 1254	ug/L	0.25 U	0.25 U	0.25 U	0.25 U
Aroclor 1260	ug/L	0.20 U	0.20 U	0.20 U	0.20 U
1 Semi-Volatile Organic Compounds in Water					
Acenaphthene	ug/L	10 U	2 U	2.4 U	2 U
Acenaphthylene	ug/L	10 U	2 U	2.4 U	2 U
Anthracene	ug/L	10 U	2 U	2.4 U	2 U
Benzo(a)anthracene	ug/L	10 U	2 U	2.4 U	2 U
Benzo(a)pyrene	ug/L	10 U	2 U	2.4 U	2 U
Benzo(b)fluoranthene	ug/L	10 U	2 U	2.4 U	2 U
Benzo(g,h,i)perylene	ug/L	10 U	2 U	2.4 U	2 U
Benzo(k)fluoranthene	ug/L	10 U	2 U	2.4 U	2 U
Benzoic acid	ug/L	50 U	10 U	12 U	10 U
Benzyl alcohol	ug/L	25 U	5 U	5.9 U	5 U
bis(2-Chloroethoxy)methane	ug/L	10 U	2 U	2.4 U	2 U
bis(2-Chloroethyl)ether	ug/L	10 U	2 U	2.4 U	2 U
bis(2-Chloroisopropyl)ether	ug/L	10 U	2 U	2.4 U	2 U
bis(2-Ethylhexyl)phthalate	ug/L	25 U	5 U	5.9 U	5 U
4-Bromophenyl-phenylether	ug/L	10 U	2 U	2.4 U	2 U
Butylbenzylphthalate	ug/L	25 U	5 U	5.9 U	5 U
Carbazole	ug/L	25 U	5 U	5.9 U	5 U
4-Chloro-3-methylphenol	ug/L	25 U	5 U	5.9 U	5 U
4-Chloroaniline	ug/L	50 U	10 U	12 U	10 U
2-Chloronaphthalene	ug/L	10 U	2 U	2.4 U	2 U

Analysis/ Analyte	Units	203-__	204-__	205-__	206-__
2-Chlorophenol	ug/L	25 U	5 U	5.9 U	5 U
4-Chlorophenyl-phenylether	ug/L	10 U	2 U	2.4 U	2 U
Chrysene	ug/L	10 U	2 U	2.4 U	2 U
Di-n-butylphthalate	ug/L	25 U	5 U	5.9 U	5 U
Di-n-octylphthalate	ug/L	25 U	5 U	5.9 U	5 U
Dibenz(a,h)anthracene	ug/L	10 U	2 U	2.4 U	2 U
Dibenzofuran	ug/L	10 U	2 U	2.4 U	2 U
1,2-Dichlorobenzene	ug/L	10 U	2 U	2.4 U	2 U
1,3-Dichlorobenzene	ug/L	10 U	2 U	2.4 U	2 U
1,4-Dichlorobenzene	ug/L	10 U	2 U	2.4 U	2 U
3,3'-Dichlorobenzidine	ug/L	50 U	10 U	12 U	10 U
2,4-Dichlorophenol	ug/L	25 U	5 U	5.9 U	5 U
Diethylphthalate	ug/L	10 U	2 U	2.4 U	2 U
2,4-Dimethylphenol	ug/L	10 U	2 U	2.4 U	2 U
Dimethylphthalate	ug/L	10 U	2 U	2.4 U	2 U
4,6-Dinitro-2-methylphenol	ug/L	50 U	10 U	12 U	10 U
2,4-Dinitrophenol	ug/L	50 UJ	10 UJ	12 UJ	10 UJ
2,4-Dinitrotoluene	ug/L	10 U	2 U	2.4 U	2 U
2,6-Dinitrotoluene	ug/L	10 U	2 U	2.4 U	2 U
Fluoranthene	ug/L	10 U	2 U	2.4 U	2 U
Fluorene	ug/L	10 U	2 U	2.4 U	2 U
Hexachlorobenzene	ug/L	10 U	2 U	2.4 U	2 U
Hexachlorobutadiene	ug/L	10 U	2 U	2.4 U	2 U
Hexachlorocyclopentadiene	ug/L	10 U	2 U	2.4 U	2 U
Hexachloroethane	ug/L	10 U	2 U	2.4 U	2 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	2 U	2.4 U	2 U
Isophorone	ug/L	10 U	2 U	2.4 U	2 U
2-Methylnaphthalene	ug/L	10 U	2 U	2.4 U	2 U
2-Methylphenol	ug/L	25 U	5 U	5.9 U	5 U
4-Methylphenol	ug/L	25 U	5 U	5.9 U	5 U
Naphthalene	ug/L	10 U	2 U	2.4 U	2 U
2-Nitroaniline	ug/L	25 U	5 U	5.9 U	5 U
3-Nitroaniline	ug/L	25 U	5 U	5.9 U	5 U
4-Nitroaniline	ug/L	50 U	10 U	12 U	10 U
Nitrobenzene	ug/L	10 U	2 U	2.4 U	2 U
2-Nitrophenol	ug/L	25 U	5 U	5.9 U	5 U
4-Nitrophenol	ug/L	50 UJ	10 UJ	12 UJ	10 UJ
N-nitroso-di-n-propylamine	ug/L	25 U	5 U	5.9 U	5 U
N-nitrosodiphenylamine	ug/L	10 U	2 U	2.4 U	2 U
Pentachlorophenol	ug/L	25 U	5 U	5.9 U	5 U
Phenanthrene	ug/L	10 U	2 U	2.4 U	2 U
Phenol	ug/L	10 U	2 U	2.4 U	2 U
Pyrene	ug/L	10 U	2 U	2.4 U	2 U
1,2,4-Trichlorobenzene	ug/L	10 U	2 U	2.4 U	2 U
2,4,5-Trichlorophenol	ug/L	25 U	5 U	5.9 U	5 U

Analysis/ Analyte	Units	203-__	204-__	205-__	206-__
2,4,6-Trichlorophenol	ug/L	25 U	5 U	5.9 U	5 U
1 Semi-Volatile TPH (DRO & ORO) in Water by GC/FID					
TPH DRO	mg/L	0.11	0.1 UJ	0.1 U	0.1 U
TPH ORO	mg/L	2 U	2 U	2 U	2 U
1 TPH Volatiles in water by GC/MS					
Purgeable TPH	ug/L	50 U	50 U	50 U	50 U
1 VOCs in Water by GC/MS for Low Detection Limits					
Acetone	ug/L	10 J	5.0 U	5.0 U	5.0 U
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-Chloropropane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Ethyl Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	ug/L	2.0 U	2.0 U	2.0 U	2.0 U
Isopropylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Acetate	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Methylcyclohexane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-Pentanone	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	ug/L	2.0 U	2.0 U	2.0 U	2.0 U
Styrene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U

Analysis/ Analyte	Units	203-__	204-__	205-__	206-__
1,1,2,2-Tetrachloroethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	ug/L	4.3	1.0 U	1.0 U	1.0 U
1,2,3-Trichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichlorotrifluoroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
m and/or p-Xylene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U

Analysis/ Analyte	Units	207-__	212-FB	213-FB	301-__
1 PCBs in Wipe Samples by GC/EC					
Aroclor 1016	ug/cm2				0.1 U
Aroclor 1221	ug/cm2				0.1 U
Aroclor 1232	ug/cm2				0.1 U
Aroclor 1242	ug/cm2				0.14
Aroclor 1248	ug/cm2				0.08 U
Aroclor 1254	ug/cm2				0.21
Aroclor 1260	ug/cm2				0.14 U
1 Metals in Water by ICP/MS					
Antimony	ug/L	2.0 U	2.0 U		
Arsenic	ug/L	2.9	1.0 U		
Barium	ug/L	81.2	5.0 U		
Beryllium	ug/L	1.0 U	1.0 U		
Cadmium	ug/L	1.0 U	1.0 U		
Chromium	ug/L	2.0 U	2.0 U		
Cobalt	ug/L	1.0 U	1.0 U		
Copper	ug/L	2.3	2.0 U		
Lead	ug/L	1.0 U	1.0 U		
Manganese	ug/L	505	1.0 U		
Nickel	ug/L	3.6	1.0 U		
Selenium	ug/L	5.0 U	5.0 U		
Silver	ug/L	1.0 U	1.0 U		
Thallium	ug/L	1.0 U	1.0 U		
Vanadium	ug/L	2.6	1.0 U		
Zinc	ug/L	12.2	2.0 U		
1 Pesticides in Water by GC/EC					
Aroclor 1016	ug/L	0.375 U	0.375 U		
Aroclor 1221	ug/L	0.40 U	0.40 U		
Aroclor 1232	ug/L	0.40 U	0.40 U		
Aroclor 1242	ug/L	0.38 U	0.38 U		
Aroclor 1248	ug/L	0.38 U	0.38 U		
Aroclor 1254	ug/L	0.25 U	0.25 U		
Aroclor 1260	ug/L	0.20 U	0.20 U		
1 Semi-Volatile Organic Compounds in Water					
Acenaphthene	ug/L	2 U	2 U		
Acenaphthylene	ug/L	2 U	2 U		
Anthracene	ug/L	2 U	2 U		
Benzo(a)anthracene	ug/L	2 U	2 U		
Benzo(a)pyrene	ug/L	2 U	2 U		
Benzo(b)fluoranthene	ug/L	2 U	2 U		
Benzo(g,h,i)perylene	ug/L	2 U	2 U		
Benzo(k)fluoranthene	ug/L	2 U	2 U		
Benzoic acid	ug/L	10 U	10 U		
Benzyl alcohol	ug/L	5 U	5 U		
bis(2-Chloroethoxy)methane	ug/L	2 U	2 U		
bis(2-Chloroethyl)ether	ug/L	2 U	2 U		

Analysis/ Analyte	Units	207-__	212-FB	213-FB	301-__
bis(2-Chloroisopropyl)ether	ug/L	2 U	2 U		
bis(2-Ethylhexyl)phthalate	ug/L	5 U	9.1 U		
4-Bromophenyl-phenylether	ug/L	2 U	2 U		
Butylbenzylphthalate	ug/L	5 U	5 U		
Carbazole	ug/L	5 U	5 U		
4-Chloro-3-methylphenol	ug/L	5 U	5 U		
4-Chloroaniline	ug/L	10 U	10 U		
2-Chloronaphthalene	ug/L	2 U	2 U		
2-Chlorophenol	ug/L	5 U	5 U		
4-Chlorophenyl-phenylether	ug/L	2 U	2 U		
Chrysene	ug/L	2 U	2 U		
Di-n-butylphthalate	ug/L	5 U	5 U		
Di-n-octylphthalate	ug/L	5 U	5 U		
Dibenz(a,h)anthracene	ug/L	2 U	2 U		
Dibenzofuran	ug/L	2 U	2 U		
1,2-Dichlorobenzene	ug/L	2 U	2 U		
1,3-Dichlorobenzene	ug/L	2 U	2 U		
1,4-Dichlorobenzene	ug/L	2 U	2 U		
3,3'-Dichlorobenzidine	ug/L	10 U	10 U		
2,4-Dichlorophenol	ug/L	5 U	5 U		
Diethylphthalate	ug/L	2 U	2 U		
2,4-Dimethylphenol	ug/L	2 U	2 U		
Dimethylphthalate	ug/L	2 U	2 U		
4,6-Dinitro-2-methylphenol	ug/L	10 UJ	10 U		
2,4-Dinitrophenol	ug/L	10 UJ	10 UJ		
2,4-Dinitrotoluene	ug/L	2 U	2 U		
2,6-Dinitrotoluene	ug/L	2 U	2 U		
Fluoranthene	ug/L	2 U	2 U		
Fluorene	ug/L	2 U	2 U		
Hexachlorobenzene	ug/L	2 U	2 U		
Hexachlorobutadiene	ug/L	2 U	2 U		
Hexachlorocyclopentadiene	ug/L	2 U	2 U		
Hexachloroethane	ug/L	2 U	2 U		
Indeno(1,2,3-cd)pyrene	ug/L	2 U	2 U		
Isophorone	ug/L	2 U	2 U		
2-Methylnaphthalene	ug/L	2 U	2 U		
2-Methylphenol	ug/L	5 U	5 U		
4-Methylphenol	ug/L	5 U	5 U		
Naphthalene	ug/L	2 U	2 U		
2-Nitroaniline	ug/L	5 U	5 U		
3-Nitroaniline	ug/L	5 U	5 U		
4-Nitroaniline	ug/L	10 U	10 U		
Nitrobenzene	ug/L	2 U	2 U		
2-Nitrophenol	ug/L	5 U	5 U		
4-Nitrophenol	ug/L	10 UJ	10 UJ		

Analysis/ Analyte	Units	207-__	212-FB	213-FB	301-__
N-nitroso-di-n-propylamine	ug/L	5 U	5 U		
N-nitrosodiphenylamine	ug/L	2 U	2 U		
Pentachlorophenol	ug/L	5 UJ	5 U		
Phenanthrene	ug/L	2 U	2 U		
Phenol	ug/L	2 U	2 U		
Pyrene	ug/L	2 U	2 U		
1,2,4-Trichlorobenzene	ug/L	2 U	2 U		
2,4,5-Trichlorophenol	ug/L	5 U	5 U		
2,4,6-Trichlorophenol	ug/L	5 U	5 U		
1 Semi-Volatile TPH (DRO & ORO) in Water by GC/FID					
TPH DRO	mg/L	0.1 U	0.1 U		
TPH ORO	mg/L	2 U	2 U		
1 TPH Volatiles in water by GC/MS					
Purgeable TPH	ug/L	50 UJ	50 U	50 U	
1 VOCs in Water by GC/MS for Low Detection Limits					
Acetone	ug/L	5.0 U	5.0 U	5.0 U	
Benzene	ug/L	1.0 U	1.0 U	1.0 U	
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	
Bromoform	ug/L	1.0 U	1.0 U	1.0 U	
Bromomethane	ug/L	1.0 U	1.0 U	1.0 U	
2-Butanone	ug/L	5.0 U	5.0 U	5.0 U	
Carbon Disulfide	ug/L	1.0 U	1.0 U	1.0 U	
Carbon Tetrachloride	ug/L	1.0 U	1.0 U	1.0 U	
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	
Chloroethane	ug/L	1.0 U	1.0 U	1.0 U	
Chloroform	ug/L	1.0 U	1.1	1.0 U	
Chloromethane	ug/L	1.0 U	1.0 U	1.0 U	
Cyclohexane	ug/L	1.0 U	1.0 U	1.0 U	
1,2-Dibromo-3-Chloropropane	ug/L	5.0 U	5.0 U	5.0 U	
Dibromochloromethane	ug/L	1.0 U	1.0 U	1.0 U	
1,2-Dibromoethane	ug/L	1.0 U	1.0 U	1.0 U	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	
Dichlorodifluoromethane	ug/L	1.0 U	1.0 U	1.0 U	
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	
Ethyl Benzene	ug/L	1.0 U	1.0 U	1.0 U	
2-Hexanone	ug/L	2.0 U	2.0 U	2.0 U	

Analysis/ Analyte	Units	207-__	212-FB	213-FB	301-__
Isopropylbenzene	ug/L	1.0 U	1.0 U	1.0 U	
Methyl Acetate	ug/L	5.0 U	5.0 U	5.0 U	
Methyl tert-butyl ether	ug/L	1.0 U	1.0 U	1.0 U	
Methylcyclohexane	ug/L	1.0 U	1.0 U	1.0 U	
Methylene Chloride	ug/L	1.0 U	1.8	1.0 U	
4-Methyl-2-Pentanone	ug/L	1.0 U	1.0 U	1.0 U	
Naphthalene	ug/L	2.0 U	2.0 U	2.0 U	
Styrene	ug/L	1.0 U	1.0 U	1.0 U	
1,1,2,2-Tetrachloroethane	ug/L	5.0 U	5.0 U	5.0 U	
Tetrachloroethene	ug/L	1.0 U	1.0 U	1.0 U	
Toluene	ug/L	1.0 U	1.0 U	1.0 U	
1,2,3-Trichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	
1,2,4-Trichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	
Trichloroethene	ug/L	1.0 U	1.0 U	1.0 U	
Trichlorofluoromethane	ug/L	1.0 U	1.0 U	1.0 U	
1,1,2-Trichlorotrifluoroethane	ug/L	1.0 U	1.0 U	1.0 U	
Vinyl Chloride	ug/L	1.0 U	1.0 U	1.0 U	
m and/or p-Xylene	ug/L	1.0 U	1.0 U	1.0 U	
o-Xylene	ug/L	1.0 U	1.0 U	1.0 U	

ASR Number: 5104 **RLAB Approved Sample Analysis Results** **11/24/2010**

Project ID: MDA7X300 **Project Desc:** Former Lyons Diecasting Company - Removal Assessment sampling

Analysis/ Analyte	Units	302-__	303-__	304-__	305-__
1 PCBs in Wipe Samples by GC/EC					
Aroclor 1016	ug/cm2	0.3 U	0.01 U	0.05 U	0.1 U
Aroclor 1221	ug/cm2	0.3 U	0.01 U	0.05 U	0.1 U
Aroclor 1232	ug/cm2	0.3 U	0.01 U	0.05 U	0.1 U
Aroclor 1242	ug/cm2	0.26	0.008 U	0.081	0.23
Aroclor 1248	ug/cm2	0.24 U	0.041	0.04 U	0.08 U
Aroclor 1254	ug/cm2	1.8	0.034 U	0.095	0.16
Aroclor 1260	ug/cm2	0.22 U	0.004 U	0.02 U	0.12 U

ASR Number: 5104 **RLAB Approved Sample Analysis Results** **11/24/2010**

Project ID: MDA7X300 **Project Desc:** Former Lyons Diecasting Company - Removal Assessment sampling

Analysis/ Analyte	Units	401-__	402-__	404-__	405-__
1 Flashpoint of Hazardous Samples					
Flashpoint	Deg C	70.5 L	70.5 L	70.5 L	70.5 L
1 Metals in Haz.Waste by ICP-AES					
Arsenic	mg/kg	102 U	78.1 U	9.7 U	9.7 U
Barium	mg/kg	51.0 U	39.1 U	4.9 U	4.8 U
Cadmium	mg/kg	51.0 U	39.1 U	4.9 U	4.8 U
Chromium	mg/kg	51.0 U	39.1 U	4.9 U	4.8 U
Lead	mg/kg	102 U	78.1 U	9.7 U	9.7 U
Selenium	mg/kg	102 U	78.1 U	9.7 U	9.7 U
Silver	mg/kg	102 U	78.1 U	9.7 U	9.7 U
2 PCBs in Hazardous by GC/EC					
Aroclor 1016	mg/kg	480 U	350 U	0.84 U	0.77 U
Aroclor 1221	mg/kg	480 U	350 U	0.84 U	0.77 U
Aroclor 1232	mg/kg	480 U	350 U	0.84 U	0.77 U
Aroclor 1242	mg/kg	2000	970	0.84 U	0.77 U
Aroclor 1248	mg/kg	480 U	350 U	0.84 U	0.77 U
Aroclor 1254	mg/kg	240 U	180 U	0.42 U	0.38 U
Aroclor 1260	mg/kg	190 U	140 U	0.42 U	0.31 U
1 Semi-Volatile Organic Compounds in Hazardous Waste					
Acenaphthene	mg/kg	250 U	230 U	2 U	2 U
Acenaphthylene	mg/kg	250 U	230 U	2 U	2 U
Anthracene	mg/kg	250 U	230 U	2 U	2 U
Benzo(a)anthracene	mg/kg	250 U	230 U	2 U	2 U
Benzo(a)pyrene	mg/kg	250 U	230 U	2 U	2 U
Benzo(b)fluoranthene	mg/kg	250 U	230 U	2 U	2 U
Benzo(g,h,i)perylene	mg/kg	250 U	230 U	2 U	2 U
Benzo(k)fluoranthene	mg/kg	250 U	230 U	2 U	2 U
Benzoic acid	mg/kg	1200 U	1100 U	10 U	10 U
Benzyl alcohol	mg/kg	620 U	570 U	5 U	5 U
bis(2-Chloroethoxy)methane	mg/kg	250 U	230 U	2 U	2 U
bis(2-Chloroethyl)ether	mg/kg	250 U	230 U	2 U	2 U
bis(2-Chloroisopropyl)ether	mg/kg	250 U	230 U	2 U	2 U
bis(2-Ethylhexyl)phthalate	mg/kg	620 U	570 U	5 U	5 U
4-Bromophenyl-phenylether	mg/kg	250 U	230 U	2 U	2 U
Butylbenzylphthalate	mg/kg	620 U	570 U	5 U	5 U
Carbazole	mg/kg	620 U	570 U	5 U	5 U
4-Chloro-3-methylphenol	mg/kg	620 U	570 U	5 U	5 U
4-Chloroaniline	mg/kg	1200 UJ	1100 UJ	10 UJ	10 UJ
2-Chloronaphthalene	mg/kg	250 U	230 U	2 U	2 U
2-Chlorophenol	mg/kg	620 U	570 U	5 U	5 U
4-Chlorophenyl-phenylether	mg/kg	250 U	230 U	2 U	2 U
Chrysene	mg/kg	250 U	230 U	2 U	2 U
Di-n-butylphthalate	mg/kg	620 U	570 U	5 U	5 U
Di-n-octylphthalate	mg/kg	620 U	570 U	5 U	5 U
Dibenz(a,h)anthracene	mg/kg	250 U	230 U	2 U	2 U
Dibenzofuran	mg/kg	250 U	230 U	2 U	2 U

Analysis/ Analyte	Units	401-__	402-__	404-__	405-__
1,2-Dichlorobenzene	mg/kg	250 U	230 U	2 U	2 U
1,3-Dichlorobenzene	mg/kg	250 U	230 U	2 U	2 U
1,4-Dichlorobenzene	mg/kg	250 U	230 U	2 U	2 U
3,3'-Dichlorobenzidine	mg/kg	1200 U	1100 U	10 U	10 U
2,4-Dichlorophenol	mg/kg	620 U	570 U	5 U	5 U
Diethylphthalate	mg/kg	250 U	230 U	2 U	2 U
2,4-Dimethylphenol	mg/kg	250 U	230 U	2 U	2 U
Dimethylphthalate	mg/kg	250 U	230 U	2 U	2 U
4,6-Dinitro-2-methylphenol	mg/kg	1200 UJ	1100 UJ	10 UJ	10 UJ
2,4-Dinitrophenol	mg/kg	1200 U	1100 U	10 U	10 U
2,4-Dinitrotoluene	mg/kg	250 U	230 U	2 U	2 U
2,6-Dinitrotoluene	mg/kg	250 U	230 U	2 U	2 U
Fluoranthene	mg/kg	250 U	230 U	2 U	2 U
Fluorene	mg/kg	250 U	230 U	2 U	2 U
Hexachlorobenzene	mg/kg	250 U	230 U	2 U	2 U
Hexachlorobutadiene	mg/kg	250 U	230 U	2 U	2 U
Hexachlorocyclopentadiene	mg/kg	250 U	230 U	2 U	2 U
Hexachloroethane	mg/kg	250 U	230 U	2 U	2 U
Indeno(1,2,3-cd)pyrene	mg/kg	250 U	230 U	2 U	2 U
Isophorone	mg/kg	250 U	230 U	2 U	2 U
2-Methylnaphthalene	mg/kg	250 U	230 U	2 U	2 U
2-Methylphenol	mg/kg	620 U	570 U	5 U	5 U
4-Methylphenol	mg/kg	620 U	570 U	5 U	5 U
Naphthalene	mg/kg	250 U	230 U	2 U	2 U
2-Nitroaniline	mg/kg	620 U	570 U	5 U	5 U
3-Nitroaniline	mg/kg	620 U	570 U	5 U	5 U
4-Nitroaniline	mg/kg	1200 U	1100 U	10 U	10 U
Nitrobenzene	mg/kg	250 U	230 U	2 U	2 U
2-Nitrophenol	mg/kg	620 U	570 U	5 U	5 U
4-Nitrophenol	mg/kg	1200 U	1100 U	10 U	10 U
N-nitroso-di-n-propylamine	mg/kg	620 U	570 U	5 U	5 U
N-nitrosodiphenylamine	mg/kg	250 U	230 U	2 U	2 U
Pentachlorophenol	mg/kg	620 U	570 U	5 U	5 U
Phenanthrene	mg/kg	250 U	230 U	2 U	2 U
Phenol	mg/kg	250 U	230 U	2 U	2 U
Pyrene	mg/kg	250 U	230 U	2 U	2 U
1,2,4-Trichlorobenzene	mg/kg	250 U	230 U	2 U	2 U
2,4,5-Trichlorophenol	mg/kg	620 U	570 U	5 U	5 U
2,4,6-Trichlorophenol	mg/kg	620 U	570 U	5 U	5 U
1 TPH Semi-volatile in Hazardous Waste by GC/FID					
Extractable TPH	mg/kg	130000	140000	970 U	950 U
1 VOCs in Liquid Hazardous Matrices by GC/MS					
Acetone	ug/L			21.5 U	21.5 U
Benzene	ug/L			0.43 U	0.43 U
Bromodichloromethane	ug/L			0.55 U	0.55 U

Analysis/ Analyte	Units	401-__	402-__	404-__	405-__
Bromoform	ug/L			1.1 U	1.1 U
Bromomethane	ug/L			6.5 U	6.5 U
2-Butanone	ug/L			30 UJ	30 U
Carbon Disulfide	ug/L			2.9 UJ	2.9 U
Carbon Tetrachloride	ug/L			0.55 U	0.55 U
Chlorobenzene	ug/L			0.95 U	0.95 U
Chloroethane	ug/L			4.2 U	4.2 U
Chloroform	ug/L			0.55 U	0.55 U
Chloromethane	ug/L			2.6 U	2.6 U
1,2-Dibromo-3-Chloropropane	ug/L			9.5 UJ	9.5 U
Dibromochloromethane	ug/L			0.95 U	0.95 U
1,2-Dibromoethane	ug/L			1 U	1 U
1,2-Dichlorobenzene	ug/L			1.4 U	1.4 U
1,3-Dichlorobenzene	ug/L			1.2 U	1.2 U
1,4-Dichlorobenzene	ug/L			1.5 U	1.5 U
1,1-Dichloroethane	ug/L			0.41 U	0.41 U
1,2-Dichloroethane	ug/L			0.8 U	0.8 U
1,1-Dichloroethene	ug/L			0.46 U	0.46 U
cis-1,2-Dichloroethene	ug/L			0.29 U	0.29 U
trans-1,2-Dichloroethene	ug/L			0.34 UJ	0.34 U
1,2-Dichloropropane	ug/L			0.7 U	0.7 U
cis-1,3-Dichloropropene	ug/L			0.85 U	0.85 U
trans-1,3-Dichloropropene	ug/L			0.9 U	0.9 U
Ethyl Benzene	ug/L			0.75 U	0.75 U
2-Hexanone	ug/L			16.5 UJ	16.5 U
Isopropylbenzene	ug/L			0.8 U	0.8 U
Methylene Chloride	ug/L			13.5 UJ	13.5 U
4-Methyl-2-Pentanone	ug/L			9.5 UJ	9.5 U
Naphthalene	ug/L			1.4 U	1.4 U
Styrene	ug/L			0.7 U	0.7 U
1,1,2,2-Tetrachloroethane	ug/L			1.4 U	1.4 U
Tetrachloroethene	ug/L			0.75 U	0.75 U
Toluene	ug/L			0.6 U	0.6 U
1,2,3-Trichlorobenzene	ug/L			1.8 U	1.8 U
1,2,4-Trichlorobenzene	ug/L			1.4 U	1.4 U
1,1,1-Trichloroethane	ug/L			0.49 U	0.49 U
1,1,2-Trichloroethane	ug/L			0.9 U	0.9 U
Trichloroethene	ug/L			1.2 U	1.2 U
Trichlorofluoromethane	ug/L			0.55 UJ	0.55 UJ
Vinyl Chloride	ug/L			1.3 U	1.3 U
m and/or p-Xylene	ug/L			1.8 U	1.8 U
o-Xylene	ug/L			0.85 U	0.85 U
1 VOCs in Solid Hazardous Matrices by GC/MS					
Acetone	mg/kg	1.23 U	1.23 U		
Benzene	mg/kg	0.035 U	0.035 U		

Analysis/ Analyte	Units	401-__	402-__	404-__	405-__
Bromodichloromethane	mg/kg	0.03 U	0.03 U		
Bromoform	mg/kg	0.0188 U	0.0188 U		
Bromomethane	mg/kg	0.0563 U	0.0563 U		
2-Butanone	mg/kg	1.24 U	1.24 U		
Carbon Disulfide	mg/kg	0.0675 U	0.0675 U		
Carbon Tetrachloride	mg/kg	0.0488 U	0.0488 U		
Chlorobenzene	mg/kg	0.0375 U	0.0375 U		
Chloroethane	mg/kg	0.101 U	0.101 U		
Chloroform	mg/kg	0.0313 U	0.0313 U		
Chloromethane	mg/kg	0.0638 U	0.0638 U		
1,2-Dibromo-3-Chloropropane	mg/kg	0.15 U	0.15 U		
Dibromochloromethane	mg/kg	0.0563 U	0.0563 U		
1,2-Dibromoethane	mg/kg	0.0563 U	0.0563 U		
1,2-Dichlorobenzene	mg/kg	0.0275 U	0.0275 U		
1,3-Dichlorobenzene	mg/kg	0.0313 U	0.0313 U		
1,4-Dichlorobenzene	mg/kg	0.0438 U	0.0438 U		
1,1-Dichloroethane	mg/kg	0.0438 U	0.0438 U		
1,2-Dichloroethane	mg/kg	0.0263 U	0.0263 U		
1,1-Dichloroethene	mg/kg	0.0338 U	0.0338 U		
cis-1,2-Dichloroethene	mg/kg	0.0375 U	0.0375 U		
trans-1,2-Dichloroethene	mg/kg	0.0575 U	0.0575 U		
1,2-Dichloropropane	mg/kg	0.0513 U	0.0513 U		
cis-1,3-Dichloropropene	mg/kg	0.0388 U	0.0388 U		
trans-1,3-Dichloropropene	mg/kg	0.0563 U	0.0563 U		
Ethyl Benzene	mg/kg	0.0096 U	0.0096 U		
2-Hexanone	mg/kg	0.325 U	0.325 U		
Isopropylbenzene	mg/kg	0.0175 U	0.0175 U		
Methylene Chloride	mg/kg	0.225 U	0.225 U		
4-Methyl-2-Pentanone	mg/kg	0.438 U	0.438 U		
Naphthalene	mg/kg	0.0363 U	0.0363 U		
Styrene	mg/kg	0.0188 U	0.0188 U		
1,1,2,2-Tetrachloroethane	mg/kg	0.0738 U	0.0738 U		
Tetrachloroethene	mg/kg	0.0313 U	0.0313 U		
Toluene	mg/kg	0.0238 U	0.0238 U		
1,2,3-Trichlorobenzene	mg/kg	0.0488 U	0.0488 U		
1,2,4-Trichlorobenzene	mg/kg	0.0475 U	0.0475 U		
1,1,1-Trichloroethane	mg/kg	0.0425 U	0.0425 U		
1,1,2-Trichloroethane	mg/kg	0.04 U	0.04 U		
Trichloroethene	mg/kg	0.035 U	0.035 U		
Trichlorofluoromethane	mg/kg	0.0438 U	0.0438 U		
Vinyl Chloride	mg/kg	0.15 U	0.15 U		
m and/or p-Xylene	mg/kg	0.0325 U	0.0325 U		
o-Xylene	mg/kg	0.0213 U	0.0213 U		
1 Volatile TPH in Liquid Waste by GC/MS					
TPH GRO	ug/L			200 U	200 U

ASR Number: 5104 **RLAB Approved Sample Analysis Results** **11/24/2010**

Project ID: MDA7X300 **Project Desc:** Former Lyons Diecasting Company - Removal Assessment sampling

Analysis/ Analyte	Units	401-__	402-__	404-__	405-__
1 Volatile TPH in Solid Waste by GC/MS					
TPH GRO	mg/kg	8 U	2 U		

Project ID: MDA7X300 **Project Desc:** Former Lyons Diecasting Company - Removal Assessment sampling

Analysis/ Analyte	Units	407-__	408-__
1 Flashpoint of Hazardous Samples			
Flashpoint	Deg C	70.5 L	70.5 L
1 Metals in Haz.Waste by ICP-AES			
Arsenic	mg/kg	102 U	85.5 U
Barium	mg/kg	91.2	64.2
Cadmium	mg/kg	51.0 U	42.7 U
Chromium	mg/kg	51.0 U	42.7 U
Lead	mg/kg	102 U	117
Selenium	mg/kg	102 U	85.5 U
Silver	mg/kg	102 U	85.5 U
2 PCBs in Hazardous by GC/EC			
Aroclor 1016	mg/kg	45 U	36 U
Aroclor 1221	mg/kg	45 U	36 U
Aroclor 1232	mg/kg	45 U	36 U
Aroclor 1242	mg/kg	200	110
Aroclor 1248	mg/kg	45 U	36 U
Aroclor 1254	mg/kg	22 U	18 U
Aroclor 1260	mg/kg	18 U	15 U
1 Semi-Volatile Organic Compounds in Hazardous Waste			
Acenaphthene	mg/kg	100 U	100 U
Acenaphthylene	mg/kg	100 U	100 U
Anthracene	mg/kg	100 U	100 U
Benzo(a)anthracene	mg/kg	100 U	100 U
Benzo(a)pyrene	mg/kg	100 U	100 U
Benzo(b)fluoranthene	mg/kg	100 U	100 U
Benzo(g,h,i)perylene	mg/kg	100 U	100 U
Benzo(k)fluoranthene	mg/kg	100 U	100 U
Benzoic acid	mg/kg	500 U	500 U
Benzyl alcohol	mg/kg	250 U	250 U
bis(2-Chloroethoxy)methane	mg/kg	100 U	100 U
bis(2-Chloroethyl)ether	mg/kg	100 U	100 U
bis(2-Chloroisopropyl)ether	mg/kg	100 U	100 U
bis(2-Ethylhexyl)phthalate	mg/kg	250 U	250 U
4-Bromophenyl-phenylether	mg/kg	100 U	100 U
Butylbenzylphthalate	mg/kg	250 U	250 U
Carbazole	mg/kg	250 U	250 U
4-Chloro-3-methylphenol	mg/kg	250 U	250 U
4-Chloroaniline	mg/kg	500 UJ	500 UJ
2-Chloronaphthalene	mg/kg	100 U	100 U
2-Chlorophenol	mg/kg	250 U	250 U
4-Chlorophenyl-phenylether	mg/kg	100 U	100 U
Chrysene	mg/kg	100 U	100 U
Di-n-butylphthalate	mg/kg	250 U	250 U
Di-n-octylphthalate	mg/kg	250 U	250 U
Dibenz(a,h)anthracene	mg/kg	100 U	100 U
Dibenzofuran	mg/kg	100 U	100 U

Analysis/ Analyte	Units	407-__	408-__
1,2-Dichlorobenzene	mg/kg	100 U	100 U
1,3-Dichlorobenzene	mg/kg	100 U	100 U
1,4-Dichlorobenzene	mg/kg	100 U	100 U
3,3'-Dichlorobenzidine	mg/kg	500 U	500 U
2,4-Dichlorophenol	mg/kg	250 U	250 U
Diethylphthalate	mg/kg	100 U	100 U
2,4-Dimethylphenol	mg/kg	100 U	100 U
Dimethylphthalate	mg/kg	100 U	100 U
4,6-Dinitro-2-methylphenol	mg/kg	500 UJ	500 UJ
2,4-Dinitrophenol	mg/kg	500 U	500 U
2,4-Dinitrotoluene	mg/kg	100 U	100 U
2,6-Dinitrotoluene	mg/kg	100 U	100 U
Fluoranthene	mg/kg	100 U	100 U
Fluorene	mg/kg	100 U	100 U
Hexachlorobenzene	mg/kg	100 U	100 U
Hexachlorobutadiene	mg/kg	100 U	100 U
Hexachlorocyclopentadiene	mg/kg	100 U	100 U
Hexachloroethane	mg/kg	100 U	100 U
Indeno(1,2,3-cd)pyrene	mg/kg	100 U	100 U
Isophorone	mg/kg	100 U	100 U
2-Methylnaphthalene	mg/kg	100 U	100 U
2-Methylphenol	mg/kg	250 U	250 U
4-Methylphenol	mg/kg	250 U	250 U
Naphthalene	mg/kg	100 U	100 U
2-Nitroaniline	mg/kg	250 U	250 U
3-Nitroaniline	mg/kg	250 U	250 U
4-Nitroaniline	mg/kg	500 U	500 U
Nitrobenzene	mg/kg	100 U	100 U
2-Nitrophenol	mg/kg	250 U	250 U
4-Nitrophenol	mg/kg	500 U	500 U
N-nitroso-di-n-propylamine	mg/kg	250 U	250 U
N-nitrosodiphenylamine	mg/kg	100 U	100 U
Pentachlorophenol	mg/kg	250 U	250 U
Phenanthrene	mg/kg	100 U	100 U
Phenol	mg/kg	100 U	100 U
Pyrene	mg/kg	100 U	100 U
1,2,4-Trichlorobenzene	mg/kg	100 U	100 U
2,4,5-Trichlorophenol	mg/kg	250 U	250 U
2,4,6-Trichlorophenol	mg/kg	250 U	250 U
1 TPH Semi-volatile in Hazardous Waste by GC/FID			
Extractable TPH	mg/kg	50000	12000
1 VOCs in Solid Hazardous Matrices by GC/MS			
Acetone	mg/kg	3.27 U	3.01 U
Benzene	mg/kg	0.0933 U	0.086 U
Bromodichloromethane	mg/kg	0.08 U	0.0737 U

Analysis/ Analyte	Units	407-__	408-__
Bromoform	mg/kg	0.05 U	0.0461 U
Bromomethane	mg/kg	0.15 U	0.138 U
2-Butanone	mg/kg	3.3 U	3.04 U
Carbon Disulfide	mg/kg	0.18 U	0.166 U
Carbon Tetrachloride	mg/kg	0.13 U	0.12 U
Chlorobenzene	mg/kg	8.57	0.0921 U
Chloroethane	mg/kg	0.27 U	0.249 U
Chloroform	mg/kg	0.0833 U	0.0768 U
Chloromethane	mg/kg	0.17 U	0.157 U
1,2-Dibromo-3-Chloropropane	mg/kg	0.4 U	0.369 U
Dibromochloromethane	mg/kg	0.15 U	0.138 U
1,2-Dibromoethane	mg/kg	0.15 U	0.138 U
1,2-Dichlorobenzene	mg/kg	1.57	0.0676 U
1,3-Dichlorobenzene	mg/kg	0.0833 U	0.0768 U
1,4-Dichlorobenzene	mg/kg	0.117 U	0.107 U
1,1-Dichloroethane	mg/kg	0.117 U	0.107 U
1,2-Dichloroethane	mg/kg	0.07 U	0.0645 U
1,1-Dichloroethene	mg/kg	0.09 U	0.0829 U
cis-1,2-Dichloroethene	mg/kg	0.1 U	0.0921 U
trans-1,2-Dichloroethene	mg/kg	0.153 U	0.141 U
1,2-Dichloropropane	mg/kg	0.137 U	0.126 U
cis-1,3-Dichloropropene	mg/kg	0.103 U	0.0952 U
trans-1,3-Dichloropropene	mg/kg	0.15 U	0.138 U
Ethyl Benzene	mg/kg	0.867	0.0236 U
2-Hexanone	mg/kg	0.867 U	0.799 U
Isopropylbenzene	mg/kg	8.88	0.043 U
Methylene Chloride	mg/kg	0.6 U	0.553 U
4-Methyl-2-Pentanone	mg/kg	1.17 U	1.07 U
Naphthalene	mg/kg	2.03	0.0891 U
Styrene	mg/kg	0.05 U	0.0461 U
1,1,2,2-Tetrachloroethane	mg/kg	0.197 U	0.181 U
Tetrachloroethene	mg/kg	0.0833 U	0.0768 U
Toluene	mg/kg	0.737	0.0584 U
1,2,3-Trichlorobenzene	mg/kg	0.13 U	0.12 U
1,2,4-Trichlorobenzene	mg/kg	0.127 U	0.117 U
1,1,1-Trichloroethane	mg/kg	0.113 U	0.104 U
1,1,2-Trichloroethane	mg/kg	0.107 U	0.0983 U
Trichloroethene	mg/kg	0.0933 U	0.086 U
Trichlorofluoromethane	mg/kg	0.117 U	0.107 U
Vinyl Chloride	mg/kg	0.4 U	0.369 U
m and/or p-Xylene	mg/kg	5.16	0.0799 U
o-Xylene	mg/kg	1.98	0.0522 U
1 Volatile TPH in Solid Waste by GC/MS			
TPH GRO	mg/kg	300	4.9 U

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER(Print)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION (DAY / MONTH / YEAR)	SHEET
Mike Davis	Lyons Diecasting	19 / 10 / 10	1 of 2

CONTENTS OF SHIPMENT

SAMPLE NUMBER	TYPE OF CONTAINERS: CUBITAINER	8oz BOTTLE	BOTTLE	4 oz set BOTTLE EA	VOA SET (2 VIALS EA)	SAMPLED MEDIA: water	soil	sediment	dust	other	RECEIVING LABORATORY REMARKS/OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
S104-1		3		1	1			X			
-2		3		X3	X3		X				*Triple volume
-31		2		1			X				
-32		2		1			X				
-33		2		X3			X				*Triple volume
-34		2		1			X				
-35		2		1			X				
-36		2		X3			X				*Triple volume
-37		2		1			X				
-38		2		1			X				
-39		2		1			X				
-40		2		1			X				
-41		2		1			X				
-42		2		1			X				
-43		2		1			X				
-44		2		1			X				
-45		2		1			X				
-46		2		1			X				
-47		2		1			X				
-48		2		1			X				
-49		2		1			X				
-50		2		1			X				
-51		2		1			X				
S104 -52		2		1			X				

DESCRIPTION OF SHIPMENT

____ PIECE(S) CONSISTING OF ____ BOX(ES)

3 ICE CHEST(S); OTHER ____

MODE OF SHIPMENT

____ COMMERCIAL CARRIER: ____

____ COURIER

X SAMPLER CONVEYED

(SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
Jm DeRu SEALED UNSEALED X	10-20-10	10:15	McCullough SEALED UNSEALED	
RELINQUISHED BY SEALED UNSEALED	DATE	TIME	RECEIVED BY SEALED UNSEALED	REASON FOR CHANGE OF CUSTODY
RELINQUISHED BY SEALED UNSEALED	DATE	TIME	RECEIVED BY SEALED UNSEALED	REASON FOR CHANGE OF CUSTODY

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER(Print)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION (DAY / MONTH / YEAR)	SHEET
Mike Davis	Lyons Dissolving	18 / 10 / 10	1 of 1

CONTENTS OF SHIPMENT

SAMPLE NUMBER	TYPE OF CONTAINERS: 1L CUBITAINER	8oz BOTTLE	128oz. BOTTLE	VOA Set 2 BOTTLE EA	4 VOA SET (2 VIALS EA)	SAMPLED MEDIA: water	soil	sediment	dust	other	RECEIVING LABORATORY REMARKS/OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
S101-1814		2			1						
-15		2			1						
-16		2			1						
-17		2			1						
-18		2			1						
-19		2			1						
-20		2			1						No Soil VOA QC volume Rec'd. Field Sampler notified + stated that volume will arrive w/ next batch ✓ 10/19/10
-21		2			1						
-22		2			1						
-23		2			1						
-24		2			1						
-25		2			1						
-26		2			1						
-27		2			1						
-28		2			1						
-29		2			1						
-30		2			1		X				
-212 FB		2		1	1	X					
S101-213-FB				1	1	X					
Missing "FB" Rec'd added @ SR 10/19/10 — Field Sampler notified + email sent to all. ✓ 10/19/10											Chr. Temps Rec'd. Cat. D-4°C ✓ 10/19/10

ASR Not Complete

DESCRIPTION OF SHIPMENT	MODE OF SHIPMENT
___ PIECE(S) CONSISTING OF ___ BOX(ES)	___ COMMERCIAL CARRIER: ___
2 ICE CHEST(S); OTHER ___	___ COURIER
	X SAMPLER CONVEYED ___ (SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
Jon DeBra — SEALED / UNSEALED X	JD ~~10/18/10~~ 10-19-10	0915	RDWiggins — SEALED / UNSEALED X	Rec'd at lab
RELINQUISHED BY — SEALED / UNSEALED	DATE	TIME	RECEIVED BY — SEALED / UNSEALED	REASON FOR CHANGE OF CUSTODY
RELINQUISHED BY — SEALED / UNSEALED	DATE	TIME	RECEIVED BY — SEALED / UNSEALED	REASON FOR CHANGE OF CUSTODY

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER(Print)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION (DAY / MONTH / YEAR)	SHEET
Mike Davis	Lyons Diecasting	19 / 10 / 10	2 of 2

CONTENTS OF SHIPMENT

SAMPLE NUMBER	TYPE OF CONTAINERS: 1L CUBITAINER	8oz BOTTLE	17oz BOTTLE	VOA Set 4 BOTTLE EA	VOA SET (2 VIALS EA)	SAMPLED MEDIA: water	soil	sediment	dust	other	RECEIVING LABORATORY REMARKS/OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
S104-53		2		1			X				
-54		2		1			X				
-55		2		1			X				
-56		2		1			X				
-201	1		2	1	1	X					

ASR Not Complete

Clr. temps. Rec'd. Retrieved 10/20/10

DESCRIPTION OF SHIPMENT

____ PIECE(S) CONSISTING OF ____ BOX(ES)

3 ICE CHEST(S): OTHER ____

MODE OF SHIPMENT

____ COMMERCIAL CARRIER: ____

____ COURIER

X SAMPLER CONVEYED

(SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
Jim DeBrus ☐ SEALED ☒ UNSEALED	10-2-2010	10:15	Nicole Rohde ☐ SEALED ☒ UNSEALED	
RELINQUISHED BY ☐ SEALED ☐ UNSEALED	DATE	TIME	RECEIVED BY ☐ SEALED ☐ UNSEALED	REASON FOR CHANGE OF CUSTODY
RELINQUISHED BY ☐ SEALED ☐ UNSEALED	DATE	TIME	RECEIVED BY ☐ SEALED ☐ UNSEALED	REASON FOR CHANGE OF CUSTODY

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER(Print)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION (DAY / MONTH / YEAR)	SHEET
Mike Davis	Lyons Diecasting	20 / 10 / 10	1 of 2

CONTENTS OF SHIPMENT

SAMPLE NUMBER	TYPE OF CONTAINERS: 1L CUBITAINER	500 BOTTLE	1250L BOTTLE	VOA Set 4 BOTTLE EA	VOA SET (2 VIALS EA)	SAMPLED MEDIA: water	soil	sediment	dust	other	RECEIVING LABORATORY REMARKS/OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
~~S7~~ S104-3		3		1	1		X				
-4		3		1	1			X			
-5		3		1	1			X			
-6		3		1	1			X			
-7		3		1	1			X			
-8		3		1	1			X			
-57		2		1	1		X				
-58		2		1	1		X				
-59		2		3	10/21/10 *		X				* Triple volume
-60		2		1	1		X				
-61		2		1	1		X				
-62		2		1	1		X				
-63		2		1	1		X				
-64		2		1	1		X				
-65		2		1	1		X				
-66		2		1	1		X				
-106		1							X		
-107		1							X		
-108		1							X		
-109		1							X		
-110		1							X		
-202	1		4	3	3	X					* Triple volume
-203	1		2	1	1	X					10/21/10
S104-204	1		2	1	1	X					

Aliquoted

DESCRIPTION OF SHIPMENT

____ PIECE(S) CONSISTING OF ____ BOX(ES)

4 ICE CHEST(S); OTHER ____

MODE OF SHIPMENT

____ COMMERCIAL CARRIER: ____

____ COURIER

X SAMPLER CONVEYED

____ (SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD 10/21/10

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
Jim Dehn — ☐ SEALED ☑ UNSEALED	10-21-10	1015	Micah Fably — ☐ SEALED ☑ UNSEALED	Analysis
RELINQUISHED BY — ☐ SEALED ☐ UNSEALED	DATE	TIME	RECEIVED BY — ☐ SEALED ☐ UNSEALED	REASON FOR CHANGE OF CUSTODY
RELINQUISHED BY — ☐ SEALED ☐ UNSEALED	DATE	TIME	RECEIVED BY — ☐ SEALED ☐ UNSEALED	REASON FOR CHANGE OF CUSTODY

*U.S. GPO: 2002-756-917/40053

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER (Print)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION (DAY MONTH YEAR)	SHEET
Mike Davis	Lyons Diecasting	20 10 10	2 of 2

CONTENTS OF SHIPMENT

SAMPLE NUMBER	1G CUBITAINER	12 oz BOTTLE	BOTTLE	VOA 40 ml 4 BOTTLE EA	VOA SET (2 VIALS EA)	water	soil	sediment	dust	other	RECEIVING LABORATORY REMARKS/OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
5104-205	1	2		1	1	X					
											Clr. Temps Rec'd @ 4°C 10/21/10

Are Not Complete

DESCRIPTION OF SHIPMENT

____ PIECE(S) CONSISTING OF ____ BOX(ES)

4 ICE CHEST(S); OTHER ____

MODE OF SHIPMENT

____ COMMERCIAL CARRIER: ____

____ COURIER

X SAMPLER CONVEYED ____ (SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
Jim DeB[illegible] ☐ SEALED UNSEALED ☑	10-21-10	1015	Nicole Rodriguez ☐ SEALED UNSEALED ☒	Analysis
RELINQUISHED BY ☐ SEALED UNSEALED ☐	DATE	TIME	RECEIVED BY ☐ SEALED UNSEALED ☐	REASON FOR CHANGE OF CUSTODY
RELINQUISHED BY ☐ SEALED UNSEALED ☐	DATE	TIME	RECEIVED BY ☐ SEALED UNSEALED ☐	REASON FOR CHANGE OF CUSTODY

*U.S. GPO: 2002-756-917/40053

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER(Print): Mike Davis

NAME OF SURVEY OR ACTIVITY: Lyons Diecasting

DATE OF COLLECTION: 21 (DAY) 10 (MONTH) 10 (YEAR)

SHEET 1 of 1

CONTENTS OF SHIPMENT

SAMPLE NUMBER	1L CUBITAINER	8oz BOTTLE	125oz BOTTLE	VOA SET 4 BOTTLE EA	VOA SET (2 VIALS EA)	water	soil	sediment	dust	other	RECEIVING LABORATORY REMARKS/OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
S104-9		3		1	1			X			
-10		3		1	1			X			
-11		3		1	1		X				
-101		1								X	
-102		1								X	
-103		1								X	
-104		1								X	
-105		1								X	
-206	1		2	1	1	X					
-207	1		2	1	1	X					
-301		1								X	*Triple volume (Wipe QC)
-302		1								X	
-303		1								X	
-304		1								X	
-305		1								X	
-401		3			2 (6 vials @)					X	*Triple volume
-402		3			2					X	
-404		3			2 (6 vials @)					X	*Triple volume
-405		3			2					X	
-407		3			2 (6 vials @)					X	*Triple volume
S104-408		3			2					X	
			ASR Complete								
											Otr. Temps. Rec'd @ 4°C 10/22/10

DESCRIPTION OF SHIPMENT

____ PIECE(S) CONSISTING OF ____ BOX(ES)

3 ICE CHEST(S): OTHER ____

MODE OF SHIPMENT

____ COMMERCIAL CARRIER: ____

____ COURIER

X SAMPLER CONVEYED

(SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
SEALED ☐ UNSEALED ☑	102210	10:30	Noah Rolly 10/22/10 SEALED ☐ UNSEALED ☒	Analysis
RELINQUISHED BY	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
SEALED ☐ UNSEALED ☐			SEALED ☐ UNSEALED ☐	
RELINQUISHED BY	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
SEALED ☐ UNSEALED ☐			SEALED ☐ UNSEALED ☐	

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 1 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-1-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Lagoon Sediment

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 12:00

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
2 - 40mL VOA vial	4 Deg C	14	Days	1 Volatile TPH in Soil by GC/MS
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile TPH (DRO & ORO) in Soil by GC/FID

Sample Comments:

(N/A)

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 2 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-2-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: GP-1

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 14:11
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
6 ~~7~~ - 40mL VOA vial	4 Deg C	14	Days	1 Volatile TPH in Soil by GC/MS
12 ~~4~~ - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile TPH (DRO & ORO) in Soil by GC/FID

Sample Comments:

(N/A)

GPS: N 39.13925
W -94.15847

* Triple volume on this sample

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 3 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-3-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: GP-2

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/20/10 12:00

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
2 - 40mL VOA vial	4 Deg C	14	Days	1 Volatile TPH in Soil by GC/MS
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile TPH (DRO & ORO) in Soil by GC/FID

Sample Comments:

(N/A)

GPS: N 39.13873
W -94.15934

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 4 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-4-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SED-1

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/20/10 13:23
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
2 - 40mL VOA vial	4 Deg C	14	Days	1 Volatile TPH in Soil by GC/MS
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile TPH (DRO & ORO) in Soil by GC/FID

Sample Comments:

(N/A)

GPS: N 39.14018
W -94.15821

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 5 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-5-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SED-2

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/20/10 14:22
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
2 - 40mL VOA vial	4 Deg C	14	Days	1 Volatile TPH in Soil by GC/MS
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile TPH (DRO & ORO) in Soil by GC/FID

Sample Comments:

(N/A)

GPS: N 39.14064
W -94.1590

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 6 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-6-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SED-3

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/20/10 15:53

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
2 - 40mL VOA vial	4 Deg C	14	Days	1 Volatile TPH in Soil by GC/MS
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile TPH (DRO & ORO) in Soil by GC/FID

Sample Comments:

(N/A)

GPS: N 39.13868
W -94.15506

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 7 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-7-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SED-4 Outfall

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/20/10 15:58

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
2 - 40mL VOA vial	4 Deg C	14	Days	1 Volatile TPH in Soil by GC/MS
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile TPH (DRO & ORO) in Soil by GC/FID

Sample Comments:

(N/A)

GPS: N 39.13922
W -94.15536

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 8 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-8-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Sed-5 (Background)

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/20/10 16:12

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
2 - 40mL VOA vial	4 Deg C	14	Days	1 Volatile TPH in Soil by GC/MS
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile TPH (DRO & ORO) in Soil by GC/FID

Sample Comments:

(N/A)

GPS

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 9 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-9-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Sed-6

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/21/10 09:21

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
2 - 40mL VOA vial	4 Deg C	14	Days	1 Volatile TPH in Soil by GC/MS
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile TPH (DRO & ORO) in Soil by GC/FID

Sample Comments:

(N/A)

GPS: N 39.14165
W - 94.15799

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 10 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-10-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Sed-7

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/21/10 0941

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
2 - 40mL VOA vial	4 Deg C	14	Days	1 Volatile TPH in Soil by GC/MS
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile TPH (DRO & ORO) in Soil by GC/FID

Sample Comments:

(N/A)

GPS: N 39.14059
-94.15596

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 11 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-11-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: _____

External Sample Number: GP-3 (BG BKGD)

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: ___ ___ ___	**Sample Collection: Start:**	10/21/10	10:35
Longitude: ___ ___ ___	**End:**	__/__/__	__:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
2 - 40mL VOA vial	4 Deg C	14	Days	1 Volatile TPH in Soil by GC/MS
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile TPH (DRO & ORO) in Soil by GC/FID

Sample Comments:

(N/A)

GPS: N 39.140059
W -94.17427

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 14 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-14-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-1

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/18/10 12:26

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13912
W - 94.15864

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 15 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-15-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-2

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/18/10 12:49

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13911
W -94.15849

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 16 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-16-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-3

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/18/10 13:29

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13912
W -94.15807

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 17 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-17-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-4

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/18/10 13:30
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13914
W -94.15807

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 18 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-18-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-5

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/18/10 13:58

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13913
W -94.15796

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 19 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-19-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-6

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/18/10 14:02
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13911
W . 94.15778

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 20 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-20-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-14

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/18/10 14:12

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13911
W -94.15760

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 21 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-21-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-13

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/18/10 ~~14:19~~ 14:24

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14 Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180 Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14 Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A) GPS: N 39.13928
W -94.15850

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 22 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-22-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-12

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/18/10 ~~14:32~~ 14:32

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13928
W -94.15833

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 23 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-23-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-11

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/18/10 1436

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14 Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180 Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14 Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13931
W -94.15808

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 24 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-24-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-17

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/18/10 14:50

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13942
W -94.15824

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 25 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-25-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-26

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/18/10 14:57
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13952
W -94.15829

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 26 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-26-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-27

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/18/10 15:04

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13957
W -94.15895

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 27 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-27-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-28

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: ___ ___ ___	**Sample Collection: Start:**	~~10/18/10~~	~~15:17~~ ~~15:04~~
Longitude: ___ ___ ___	**End:**	10/18/10	15:17

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13952
W -94.15861

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 28 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-28-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-29

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/18/10 15:29
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13969
W -94.15872

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 29 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-29-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-30

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/18/10 15:31
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days.	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13969
W -94.15849

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 30 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-30-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-31

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/8/10 15:41

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS; N 39.13966
W -94.15828

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 31 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-31-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-15

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/16 09:06

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13941
W - 94.15860

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 32 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-32-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-16

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 09:10
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13949
W -94.15846

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 33 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-33-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-7

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 09:14
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
12 ~~4~~ - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13909
W -94.15758

* Triple volume collected on this sample

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 34 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-34-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-8

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 09:20

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13922
W -94.15755

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 35 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-35-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-9

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/9/10 09:32
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13925
W -94.15778

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 36 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-36-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-10

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/9/10 09:42
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
12 ~~1~~ - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13928
W -94.15795

*Triple volume on this sample

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 37 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-37-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-18

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 10:32
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14 Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180 Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14 Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39,13942
W -94,15804

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 38 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-38-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-19

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 1042
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13939
W -94.15786

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 39 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-39-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-20

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 10:57
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13935
W -94.15771

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 40 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-40-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-21

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 11:05
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13938
W -94.15751

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 41 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-41-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-22

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 11:40

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13949
W -94.15751

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 42 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-42-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-23

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 13:20

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13951
W -94.15770

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 43 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-43-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-24

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 13:30
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13940
W -94.15795

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 44 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-44-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-25

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 13:40

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13956
W -94.15798

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 45 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-45-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-32

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: ___ ___ ___	**Sample Collection: Start:**	10/19/10	13:50
Longitude: ___ ___ ___	**End:**	__/__/__	__:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39,13970
W -94,15807

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 46 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-46-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-33

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 14:10

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13967
W -94.15782

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 47 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-47-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-34

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 14:21

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13992
W -94.15749

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 48 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-48-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-35

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 14:31
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14 Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180 Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14 Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13973
W -94.15751

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 49 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-49-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-36

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/15/10 14:41

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13980
W -94.15752

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 50 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-50-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-37

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 15:40
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14 Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180 Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14 Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13980
W -94.15771

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 51 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-51-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-38

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 15:50

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13984
W -94.15796

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 52 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-52-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: ~~SS-39~~ ~~SS-42~~ ~~SS-39~~ SS-42

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 ~~16:20~~ 1641

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13989
W -94.15810

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 53 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-53-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-40

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 16:24

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A) GPS: N 39.13989
W -94.15829

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 54 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-54-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-41

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 16:31

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13993
W -94.15846

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 55 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-55-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: ~~SS-42~~ ~~SS-39~~ ~~SS-42~~ SS-39

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: ___ ___ ___	**Sample Collection: Start:**	10/19/10	~~16:41~~ 1620
Longitude: ___ ___ ___	**End:**	__/__/__	__:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 56 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-56-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-43

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 12:13
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.14002
W -94.15868

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 57 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-57-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-44

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/29/10 09:11

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.14010
W -94.15839

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 58 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-58-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-45

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/29/10 09:16

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.14006
W -94.15874

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 59 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-59-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS46

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/20/10 09:22

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
12/4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13997
W -94.15805

*Triple volume on this sample.

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 60 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-60-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-47

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/20/10 09:43

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14 Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180 Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14 Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13989
W -94.15791

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 61 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-61-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-48 SS 48

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/20/10 09:54

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14 Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180 Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14 Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13993
W -94.15778

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 62 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-62-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-49

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/20/10 10:13

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13996
W -94.15761

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 63 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-63-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-SO

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/20/10 10:50
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13890
W -94.15948

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 64 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-64-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-51

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/20/10 10:55
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13584
W -94.15929

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 65 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-65-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-52

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/26/10 11:00
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13888
W -94.15916

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 66 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5104-66-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SS-53

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/20/10 1105
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC

Sample Comments:

(N/A)

GPS: N 39.13896
W -94.15897

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 101 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5104-101-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Solid concrete chip sample

External Sample Number: Concrete Chip 1

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/21/10 09:07

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Hazardous by GC/EC

Sample Comments:

(N/A)

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 102 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5104-102-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Solid concrete chip sample

External Sample Number: Concrete Chip-2

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/29/10 10:13

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Hazardous by GC/EC

Sample Comments:

(N/A)

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 103 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5104-103-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Solid concrete chip sample

External Sample Number: Concrete Chip - 3

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/29/10 10:23

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Hazardous by GC/EC

Sample Comments:

(N/A)

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 104 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5104-104-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Solid concrete chip sample

External Sample Number: Concrete Chip-4

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/21/10 10:33

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Hazardous by GC/EC

Sample Comments:

(N/A)

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 105 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5104-105-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Solid concrete chip sample

External Sample Number: Concrete Chip-S

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/21/10 10:45

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Hazardous by GC/EC

Sample Comments:

(N/A)

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 106 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5104-106-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Floor sweeping sample

External Sample Number: Floor Sweep #1

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/29/10 11:04

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Hazardous by GC/EC

Sample Comments:

(N/A)

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 107 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5104-107-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Floor sweeping sample

External Sample Number: Flor Swep #2

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/20/10 11:10

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Hazardous by GC/EC

Sample Comments:

(N/A)

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 108 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5104-108-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Floor sweeping sample

External Sample Number: Flor Swep # 3

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/20/10 11:14

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Hazardous by GC/EC

Sample Comments:

(N/A)

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 109 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5104-109-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Floor sweeping sample

External Sample Number: Floor Sweep #4

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/20/10 11:17

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Hazardous by GC/EC

Sample Comments:

(N/A)

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 110 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5104-110-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Floor sweeping sample

External Sample Number: Floor Sweep #15

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/20/10 11:20

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Hazardous by GC/EC

Sample Comments:

(N/A)

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 201 **QC Code:** __ **Matrix:** Water **Tag ID:** 5104-201-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Lagoon / Surface Water

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/19/10 4:52
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180	Days	1 Metals in Water by ICP/MS
1 - 128oz amber glass	4 Deg C	7	Days	1 Semi-Volatile Organic Compounds in Water
1 - 128oz amber glass	4 Deg C	7	Days	1 Pesticides in Water by GC/EC
1 - 128oz amber glass	4 Deg C	7	Days	1 Semi-Volatile TPH (DRO & ORO) in Water by GC/FID
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14	Days	1 VOCs in Water by GC/MS for Low Detection Limits
2 - 40mL VOA vial	4 Deg C, HCL to pH<2	14	Days	1 TPH Volatiles in water by GC/MS

Sample Comments:

(N/A)

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 202 **QC Code:** __ **Matrix:** Water **Tag ID:** 5104-202-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SW-1

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/20/10 13:17
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180	Days	1 Metals in Water by ICP/MS
3 ~~1~~ - 128oz amber glass	4 Deg C	7	Days	1 Semi-Volatile Organic Compounds in Water
1 - 128oz amber glass	4 Deg C	7	Days	1 Pesticides in Water by GC/EC
1 - 128oz amber glass	4 Deg C	7	Days	1 Semi-Volatile TPH (DRO & ORO) in Water by GC/FID
12 ~~1~~ - 40mL VOA vial	4 Deg C, HCL to pH<2	14	Days	1 VOCs in Water by GC/MS for Low Detection Limits
6 ~~2~~ - 40mL VOA vial	4 Deg C, HCL to pH<2	14	Days	1 TPH Volatiles in water by GC/MS

Sample Comments:

(N/A)

GPS: N 39.14018
W -94.15821

* Triple volume on this sample

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 203 **QC Code:** __ **Matrix:** Water **Tag ID:** 5104-203-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SW-2

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/20/10 14:16
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180	Days	1 Metals in Water by ICP/MS
1 - 128oz amber glass	4 Deg C	7	Days	1 Semi-Volatile Organic Compounds in Water
1 - 128oz amber glass	4 Deg C	7	Days	1 Pesticides in Water by GC/EC
1 - 128oz amber glass	4 Deg C	7	Days	1 Semi-Volatile TPH (DRO & ORO) in Water by GC/FID
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14	Days	1 VOCs in Water by GC/MS for Low Detection Limits
2 - 40mL VOA vial	4 Deg C, HCL to pH<2	14	Days	1 TPH Volatiles in water by GC/MS

Sample Comments:

(N/A)

GPS: N 39.14064
W -94.15913

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 204 **QC Code:** __ **Matrix:** Water **Tag ID:** 5104-204-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Surface water - 3

External Sample Number: SW-3

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/20/10 15:48

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180	Days	1 Metals in Water by ICP/MS
1 - 128oz amber glass	4 Deg C	7	Days	1 Semi-Volatile Organic Compounds in Water
1 - 128oz amber glass	4 Deg C	7	Days	1 Pesticides in Water by GC/EC
1 - 128oz amber glass	4 Deg C	7	Days	1 Semi-Volatile TPH (DRO & ORO) in Water by GC/FID
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14	Days	1 VOCs in Water by GC/MS for Low Detection Limits
2 - 40mL VOA vial	4 Deg C, HCL to pH<2	14	Days	1 TPH Volatiles in water by GC/MS

Sample Comments:

(N/A)

GPS: N 39.13868
W-94.15566

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 205 **QC Code:** __ **Matrix:** Water **Tag ID:** 5104-205-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SW-4 (Background)

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/20/10 16:07

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180	Days	1 Metals in Water by ICP/MS
1 - 128oz amber glass	4 Deg C	7	Days	1 Semi-Volatile Organic Compounds in Water
1 - 128oz amber glass	4 Deg C	7	Days	1 Pesticides in Water by GC/EC
1 - 128oz amber glass	4 Deg C	7	Days	1 Semi-Volatile TPH (DRO & ORO) in Water by GC/FID
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14	Days	1 VOCs in Water by GC/MS for Low Detection Limits
2 - 40mL VOA vial	4 Deg C, HCL to pH<2	14	Days	1 TPH Volatiles in water by GC/MS

Sample Comments:

(N/A)

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 206 **QC Code:** __ **Matrix:** Water **Tag ID:** 5104-206-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SW-5

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/21/10 09:10
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180	Days	1 Metals in Water by ICP/MS
1 - 128oz amber glass	4 Deg C	7	Days	1 Semi-Volatile Organic Compounds in Water
1 - 128oz amber glass	4 Deg C	7	Days	1 Pesticides in Water by GC/EC
1 - 128oz amber glass	4 Deg C	7	Days	1 Semi-Volatile TPH (DRO & ORO) in Water by GC/FID
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14	Days	1 VOCs in Water by GC/MS for Low Detection Limits
2 - 40mL VOA vial	4 Deg C, HCL to pH<2	14	Days	1 TPH Volatiles in water by GC/MS

Sample Comments:
(N/A)

GPS: N 39.14165
W -94.15799

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 207 **QC Code:** __ **Matrix:** Water **Tag ID:** 5104-207-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: SW-6

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/21/18 09:34
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180	Days	1 Metals in Water by ICP/MS
1 - 128oz amber glass	4 Deg C	7	Days	1 Semi-Volatile Organic Compounds in Water
1 - 128oz amber glass	4 Deg C	7	Days	1 Pesticides in Water by GC/EC
1 - 128oz amber glass	4 Deg C	7	Days	1 Semi-Volatile TPH (DRO & ORO) in Water by GC/FID
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14	Days	1 VOCs in Water by GC/MS for Low Detection Limits
2 - 40mL VOA vial	4 Deg C, HCL to pH<2	14	Days	1 TPH Volatiles in water by GC/MS

Sample Comments:

(N/A)

GPS: N 39.14059
W -94.15596

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

FB 10/19/10 added

10/19/10 FB

ASR Number: 5104 **Sample Number:** 212 **QC Code:** ~~FB~~ **Matrix:** Water **Tag ID:** 5104-212-~~FB~~

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Field Blank

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/18/10 15:00

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180	Days	1 Metals in Water by ICP/MS
1 - 128oz amber glass	4 Deg C	7	Days	1 Semi-Volatile Organic Compounds in Water
1 - 128oz amber glass	4 Deg C	7	Days	1 Pesticides in Water by GC/EC
1 - 128oz amber glass	4 Deg C	7	Days	1 Semi-Volatile TPH (DRO & ORO) in Water by GC/FID
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14	Days	1 VOCs in Water by GC/MS for Low Detection Limits
2 - 40mL VOA vial	4 Deg C, HCL to pH<2	14	Days	1 TPH Volatiles in water by GC/MS

Sample Comments:

(N/A)

RDCC added "FB" to tags, FS+COC. Missing @ SR 10/19/10

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 213 **QC Code:** FB **Matrix:** Water **Tag ID:** 5104-213-FB

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: LDL VOA/TPH VOA (GRO) Trip Blank sample

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/18/10 15:12

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits
2 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 TPH Volatiles in water by GC/MS

Sample Comments:

(N/A)

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 301 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5104-301-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Wipe Sample Area wiped: 100 Units: cm^2

External Sample Number: WS-1

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/21/10 13:35

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Wipe Samples by GC/EC

Sample Comments:

(N/A) triple volume

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 302 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5104-302-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Wipe Sample Area wiped: 100 Units: cm^2

External Sample Number: WS-2

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/21/10 13:45

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Wipe Samples by GC/EC

Sample Comments:

(N/A)

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 303 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5104-303-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Wipe Sample Area wiped: 100 Units: cm^2

External Sample Number: WS-3

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/21/10 13:55

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Wipe Samples by GC/EC

Sample Comments:

(N/A)

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 304 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5104-304-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Wipe Sample Area wiped: 100 Units: cm^2

External Sample Number: WS-4

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/21/10 14:05

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Wipe Samples by GC/EC

Sample Comments:

(N/A)

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 305 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5104-305-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Wipe Sample Area wiped: 100 Units: cm
External Sample Number: WS-5

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/21/10 14:15
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 8 oz glass	4 Deg C	14 Days	1 PCBs in Wipe Samples by GC/EC

Sample Comments:
(N/A)

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 401 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5104-401-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Haz. waste = liquid non-aqueous sample

External Sample Number: WPL-1

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/21/10 14:08

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 4 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Hazardous Waste
6 ~~1~~ - 40mL VOA vial	4 Deg C	14	Days	1 TPH Volatiles in Waste by GC/MS
6 ~~1~~ 2 - 40mL VOA vial	4 Deg C	14	Days	1 VOCs in Solid Hazardous Matrices by GC/MS
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Haz.Waste by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	2 PCBs in Hazardous by GC/EC
1 - 8 oz glass	4 Deg C	14	Days	1 TPH Semi-volatile in Hazardous Waste by GC/FID
1 - 8 oz glass	None	0	Days	1 Flashpoint of Hazardous Samples

Sample Comments:

(N/A)

* Triple volume

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 402 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5104-402-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Haz. waste = liquid non-aqueous sample

External Sample Number: WPL-2

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/21/10 15:44

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 4 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Hazardous Waste
2 - 40mL VOA vial	4 Deg C	14	Days	1 TPH Volatiles in Waste by GC/MS
2 - 40mL VOA vial	4 Deg C	14	Days	1 VOCs in Solid Hazardous Matrices by GC/MS
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Haz.Waste by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	2 PCBs in Hazardous by GC/EC
1 - 8 oz glass	4 Deg C	14	Days	1 TPH Semi-volatile in Hazardous Waste by GC/FID
1 - 8 oz glass	None	0	Days	1 Flashpoint of Hazardous Samples

Sample Comments:

(N/A)

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 404 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5104-404-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Haz. waste = water sample

External Sample Number: WPW-1

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/21/10 13:48

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

	Container	Preservative	Holding Time			Analysis
	1 - 4 oz glass	4 Deg C	14	Days	1	Semi-Volatile Organic Compounds in Hazardous Waste
6	~~2~~ - 40mL VOA vial	4 Deg C	14	Days	1	TPH Volatiles in Waste by GC/MS
6	~~2~~ - 40mL VOA vial	4 Deg C	14	Days	1	VOCs in Liquid Hazardous Matrices by GC/MS
	1 - 8 oz glass	4 Deg C	180	Days	1	Metals in Haz.Waste by ICP-AES
	1 - 8 oz glass	4 Deg C	14	Days	2	PCBs in Hazardous by GC/EC
	1 - 8 oz glass	4 Deg C	14	Days	1	TPH Semi-volatile in Hazardous Waste by GC/FID
	1 - 8 oz glass	None	0	Days	1	Flashpoint of Hazardous Samples

Sample Comments:

(N/A)

* Triple Volume

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 405 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5104-405-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Haz. waste = water sample

External Sample Number: WPW-2

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/21/10 15:24

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 4 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Hazardous Waste
2 - 40mL VOA vial	4 Deg C	14	Days	1 TPH Volatiles in Waste by GC/MS
2 - 40mL VOA vial	4 Deg C	14	Days	1 VOCs in Liquid Hazardous Matrices by GC/MS
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Haz.Waste by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	2 PCBs in Hazardous by GC/EC
1 - 8 oz glass	4 Deg C	14	Days	1 TPH Semi-volatile in Hazardous Waste by GC/FID
1 - 8 oz glass	None	0	Days	1 Flashpoint of Hazardous Samples

Sample Comments:

(N/A)

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 407 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5104-407-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Haz. waste = sludge sample

External Sample Number: WPS-1

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/21/10 14:32

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 4 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Hazardous Waste
6 ~~2~~ - 40mL VOA vial	4 Deg C	14	Days	1 TPH Volatiles in Waste by GC/MS
6 ~~2~~ - 40mL VOA vial	4 Deg C	14	Days	1 VOCs in Solid Hazardous Matrices by GC/MS
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Haz.Waste by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	2 PCBs in Hazardous by GC/EC
1 - 8 oz glass	4 Deg C	14	Days	1 TPH Semi-volatile in Hazardous Waste by GC/FID
1 - 8 oz glass	None	0	Days	1 Flashpoint of Hazardous Samples

Sample Comments:

(N/A)

* Triple Volume

Sample Collected By: JH/TTEMI

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5104 **Sample Number:** 408 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5104-408-__

Project ID: MDA7X300 **Project Manager:** Mike B. Davis
Project Desc: Former Lyons Diecasting Company - Removal Assessment sampling
City: Buckner **State:** Missouri
Program: Superfund
Site Name: FORMER LYONS DIECASTING COMPANY - SITEWIDE **Site ID:** A7X3 **Site OU:** 00

Location Desc: Haz. waste = sludge sample

External Sample Number: WPS-2

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/21/10 16:00

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 4 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Hazardous Waste
2 - 40mL VOA vial	4 Deg C	14	Days	1 TPH Volatiles in Waste by GC/MS
2 - 40mL VOA vial	4 Deg C	14	Days	1 VOCs in Solid Hazardous Matrices by GC/MS
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Haz.Waste by ICP-AES
1 - 8 oz glass	4 Deg C	14	Days	2 PCBs in Hazardous by GC/EC
1 - 8 oz glass	4 Deg C	14	Days	1 TPH Semi-volatile in Hazardous Waste by GC/FID
1 - 8 oz glass	None	0	Days	1 Flashpoint of Hazardous Samples

Sample Comments:

(N/A)

Sample Collected By: JH/TTEMI