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

Date: JUL 3 2012

Subject: Transmittal of Sample Analysis Results for ASR #: 5729

Project ID: MDA7X300

Project Description: Former Lyons Diecasting Company - Removal Assessment sampling

From: Michael F. Davis, Chief
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.

A7X3 40405378 1.0
Superfund
0400

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:** 303DC6

Removal Assessment/Treatability Study.

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.

% = Percent
ug/kg = Micrograms per Kilogram
ug/L = Micrograms per Liter
mg/kg = Milligrams per Kilogram
mg/L = Milligrams per Liter

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.
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.
UJ = The analyte was not detected at or above the reporting limit. The reporting limit is an estimate.
U = The analyte was not detected at or above the reporting limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.

ASR Number: 5729 **Sample Information Summary** **07/03/2012**

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 -	__	Waste	LDBO-1		05/15/2012	10:45			05/16/2012
2 -	__	Waste	LDFO-1		05/18/2012	09:21			05/18/2012
101 -	__	Water	LDBW-1		05/15/2012	09:52			05/16/2012
102 -	__	Water	LDFW-2		05/18/2012	09:36			05/18/2012
105 -	FB	Water	Water TPH VOA (GRO/OA-1) Trip Blank sample		05/10/2012	07:30			05/16/2012
106 -	FB	Water	Water LDL VOA Trip Blank sample		05/10/2012	07:30			05/16/2012
201 -	__	Solid	LDBS-1		05/15/2012	10:48			05/16/2012
202 -	__	Solid	LDFS-1		05/18/2012	10:15			05/18/2012
301 -	__	Waste	LDMS-1		05/15/2012	12:11			05/16/2012
302 -	__	Waste	LDMS-13		05/18/2012	11:09			05/18/2012
401 -	__	Waste	LDMS-2		05/15/2012	14:00			05/16/2012
402 -	__	Waste	LDMS-3		05/15/2012	15:00			05/16/2012
403 -	__	Waste	LDMS-4		05/15/2012	16:01			05/16/2012
404 -	__	Waste	LDMS-5		05/15/2012	17:02			05/16/2012
405 -	__	Waste	LDMS-6		05/16/2012	10:15			05/17/2012
406 -	__	Waste	LDMS-7		05/16/2012	11:06			05/17/2012
407 -	__	Waste	LDMS-8		05/16/2012	12:16			05/17/2012
408 -	__	Waste	LDMS-9		05/16/2012	13:16			05/17/2012
409 -	__	Waste	LDMS-10		05/16/2012	14:15			05/17/2012
410 -	__	Waste	LDMS-11		05/16/2012	15:13			05/17/2012
411 -	__	Waste	LDMS-12		05/16/2012	16:14			05/17/2012

Analysis	Comments About Results For This Analysis

1 PCBs in Soil by GC/EC

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

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

Basis: Dry

Samples: 201-__ 202-__

Comments:
The reporting limits have been raised by a factor of more than 1000 for samples 201 and 202 due to very high innate Aroclor 1242.

1 Percent Solid

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

Method: EPA Region 7 RLAB Method 3142.9F

Basis: N/A

Samples: 201-__ 202-__

Comments:

1 Semi-Volatile Organic Compounds in Soil

Lab: RASP Contract Lab (Out-Source)

Method: Similar to EPA Region 7 RLAB Method 3230.2G (see comments)

Basis: Dry

Samples: 201-__ 202-__

Comments:
Due to the oily nature of these samples, the final extracts could not be concentrated below a final volume of 5mL. Further dilutions were performed at the bench. The reporting limits have been adjusted accordingly.

For 5729-202, di-n-octylphthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, & benzo(g,h,i)perylene were not found in the sample at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to a low internal standard response.

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: 201-__ 202-__

Analysis **Comments About Results For This Analysis**

Comments:

1 TPH Volatiles in Soil by GC/MS

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

Method: EPA Region 7 RLAB Method 3230.19B

Basis: Dry

Samples: 201-__ 202-__

Comments:
Sample vials had significant head space. Samples were very oily, and showed a "Diesel-like Pattern" when analyzed. The oil caused issues with internal standards and surrogates.

There were hits for the GRO compounds, but values for sample 201 did not show the correct ratio to qualify as TPH. High amounts of Xylene were seen. For quantitated component values, (including high Xylene values) the VOA Soil samples should provide usable data.

Sample 201 was reported with a UJ-code, due to low internal standard response and poor surrogate recovery.

Sample 202 was reported with a J-code. 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.

1 VOCs in Solid Matrices by GC/MS

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

Method: EPA Region 7 RLAB Method 3230.15E

Basis: Dry

Samples: 201-__ 202-__

Comments:
TIC peaks indicate a large amount of "Diesel Compounds" or Oil. There was also an oily texture and smell to the soil samples. The oil in the samples caused interferences with several aspects of analysis for these samples. Sample vials were also not filled completely to the top and had significant head-space.

Dichlorodifluoromethane, 2-Hexanone and 1,2-Dibromo-3-Chloropropane
have reporting limits raised to 10ug/kg, due to the initial instrument calibration curve not meeting linearity specifications..

Dichlorodifluoromethane, Vinyl Chloride, Methyl Acetate, Dibromochloromethane and Bromoform have had the Reporting Limit raised to 10ug/kg due to changes in instrument sensitivity.

Analysis **Comments About Results For This Analysis**

Chloromethane was above the curve in sample 202. This value has been reported with a J-code to indicate that it is an estimate.

Acetone, Chlorobenzene, 1,1,2,2-Tetrachlorethane, Isopropylbenzene and Methylcyclohexane were above the curve in sample 201. These values have been reported with a J-code to indicate that they are estimates.

Dichlorodifluoromethane was UJ-coded in samples 201 and 202. 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 the initial instrument calibration curve not meeting linearity specifications. The actual reporting limit may be higher than the reported value.

Chloromethane was J-coded in samples 201 and 202. Methylene Chloride was J-coded in sample 202. Although the analytes in question have 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 these analytes may be lower than the reported value.

1,1-Dichloroethane was J-coded in sample 202. Although the analyte in question has been positively identified in the sample, the quantitation is an estimate (J-coded) due to high recovery of this analyte in the laboratory control sample. The actual concentration for this analyte may be lower than the reported value.

Naphthalene 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 202.

2-Butanone and Methylcyclohexane were J-coded in sample 202, while Ethyl Benzene, Styrene, Tetrachloroethene and o-Xylene were UJ-coded, due to poor precision in the laboratory matrix spikes.

Chloroform, Cyclohexane, Ethyl Benzene, Isopropylbenzene, Methylcyclohexane, Naphthalene, Tetrachloroethene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,1,1-Trichloroethane, 1,1,2-Trichlorotrifluorethane and m- and/or p-Xylene were J-coded for hits and UJ-coded for non-detects in sample 202, due to low recoveries of these analytes in the matrix spike and/or spike duplicate. Values may be higher than reported. 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Naphthalene were non-detect in the spikes due to system issues involving carryover/contamination.

Chlorobenzene, Isopropylbenzene, 1,1,2,2-Tetrachloroethane, m- and/or p-Xylene were J-coded in sample 202. Although the analytes in question have been positively identified in the sample, the quantitation is an estimate (J-coded) due to low internal standard response. The actual concentration for these analytes may be lower than the reported value.

Sample 201 had all hits J-coded and all non-detects UJ-coded, as matrix interference

Analysis **Comments About Results For This Analysis**

caused low recovery of the internal standards and a surrogate. Values reported may be higher.

1 PCBs in Hazardous by GC/EC

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

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

Samples: 1-__ 2-__

Comments:
Dilutions were necessary because of high levels of Aroclor 1242 in samples 1 and 2 for this analysis. This increased the reporting limits by a factor of about 50 for these samples.

2 PCBs in Hazardous by GC/EC

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

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

Samples: 301-__ 302-__ 401-__ 402-__ 403-__ 404-__ 405-__
406-__ 407-__ 408-__ 409-__ 410-__ 411-__

Comments:
Aroclor 1242 was J-coded in samples 302, 406, 408, 409, 410, and 411. 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 these samples. The actual concentration for this analyte may be lower than the reported value.

Dilutions were necessary because of high levels of Aroclor 1242 in all samples for this analysis. This increased the reporting limits by a factor of about 5 for these samples.

1 Semi-Volatile Organic Compounds in Hazardous Waste

Lab: RASP Contract Lab (Out-Source)

Method: Similar to EPA Region 7 RLAB Method 3230.2G (see comments)

Samples: 1-__ 2-__

Comments:
Due to the nature of the samples, the normal low level protocol could not be followed. The analyst determined it was necessary to extract and analyze the samples following the waste dilution protocol (1 gram of sample extracted and taken to a final volume of 10mL). This resulted in higher reporting limits for all samples.

Bis(2-ethylhexyl)phthalate and di-n-octylphthalate were J-coded in sample 5729-1. Although the compounds 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.

Two internal standards in sample 5729-1 had unacceptable response indicating that is was not possible to obtain valid results for benzo(a)anthracene, butyl benzyl phthalate, chrysene, 3,3'-dichlorobenzidine, pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene,

Analysis **Comments About Results For This Analysis**

benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, & benzo(g,h,i)perylene. Results of 'N/A' were reported with R-codes for these analytes.

Two internal standards in sample 5729-2 had unacceptable response indicating that is was not possible to obtain valid results for di-n-octylphthalate, benzo(a)anthracene, bis(2-ethylhexyl)phthalate, butyl benzyl phthalate, chrysene, 3,3'-dichlorobenzidine, pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, & benzo(g,h,i)perylene. Results of 'N/A' were reported with R-codes for these analytes.

2 Semi-Volatile Organic Compounds in Hazardous Waste

Lab: RASP Contract Lab (Out-Source)

Method: Similar to EPA Region 7 RLAB Method 3230.2G (see comments)

Samples: 301-__ 302-__ 401-__ 402-__ 403-__ 404-__ 405-__
406-__ 407-__ 408-__ 409-__ 410-__ 411-__

Comments:
Due to the nature of the samples, the normal low level protocol could not be followed. The analyst determined it was necessary to extract and analyze the samples following the waste dilution protocol (1 gram of sample extracted and taken to a final volume of 10mL). This resulted in higher reporting limits for all samples.

For samples 5729-402, 5729-403, 5729-404, 5729-405, 5729-406, & 5729-407, pyrene, 3,3'-dichlorobenzidine, benzo(a)anthracene, chrysene, bis(2-Ethylhexyl)phthalate, and butylbenzylphthalate were not found in the sample at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to a low internal standard response.

For samples 5729-301 and 5729-401, di-n-octylphthalate, benzo(a)anthracene, bis(2-ethylhexyl)phthalate, butyl benzyl phthalate, chrysene, 3,3'-dichlorobenzidine, pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, & benzo(g,h,i)perylene were not found in the sample at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to a low internal standard response.

Two internal standards in samples 5729-302, 5729-408, 5729-409, 5729-410, & 5729-411 had unacceptable response indicating that is was not possible to obtain valid results for di-n-octylphthalate, benzo(a)anthracene, bis(2-ethylhexyl)phthalate, butyl benzyl phthalate, chrysene, 3,3'-dichlorobenzidine, pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, & benzo(g,h,i)perylene. Results of 'N/A' were reported with R-codes for these analytes.

Two internal standards in samples 5729-402, 5729-403, 5729-404, 5729-405, 5729-406, & 5729-407 had unacceptable response indicating that is was not possible to obtain valid results for di-n-octylphthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, & benzo(g,h,i)perylene.

Analysis	Comments About Results For This Analysis

Results of 'N/A' were reported with R-codes for these analytes.

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

Lab: RASP Contract Lab (Out-Source)

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

Samples: 1-__ 2-__

Comments:
The calculated RPD of 80% between sample 5729-1 and 5729-1LD exceeded the control limit of 35%. TPH DRO was J-coded in sample 5729-1. Although the analyte in question has been positively identified in the sample, the quantitation is an estimate (J-coded) due to poor precision obtained for this analyte in the laboratory duplicate sample.

2 Semi-Volatile TPH (DRO & ORO) in Waste by GC/FID

Lab: RASP Contract Lab (Out-Source)

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

Samples: 301-__ 302-__

Comments:

1 TPH Volatiles in Waste by GC/MS

Lab: RASP Contract Lab (Out-Source)

Method: Similar to Iowa UHL Method OA-1 (see comments)

Samples: 1-__ 2-__

Comments:

2 TPH Volatiles in Waste by GC/MS

Lab: RASP Contract Lab (Out-Source)

Method: Similar to Iowa UHL Method OA-1 (see comments)

Samples: 301-__ 302-__

Comments:

1 VOCs in Solid Hazardous Matrices by GC/MS

Lab: RASP Contract Lab (Out-Source)

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

Samples: 1-__ 2-__

Comments:

Analysis **Comments About Results For This Analysis**

2 VOCs in Solid Hazardous Matrices by GC/MS

Lab: RASP Contract Lab (Out-Source)

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

Samples: 301-__ 302-__ 401-__ 402-__ 403-__ 404-__ 405-__
406-__ 407-__ 408-__ 409-__ 410-__ 411-__

Comments:

1 Pesticides in Water by GC/EC

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

Method: EPA Region 7 RLAB Method 3240.2H

Samples: 101-__ 102-__

Comments:
Aroclor 1242 was J-coded in sample 102. Although the analyte in question has been positively identified in the sample, the quantitation is an estimate (J-coded) due to poor precision obtained for this analyte in the laboratory matrix spike and matrix spike duplicate.

Dilutions were necessary because of high levels of Aroclor 1242 in samples 101 and 102 for this analysis. This increased the reporting limits by a factor of 200 for these samples.

1 Semi-Volatile Organic Compounds in Water

Lab: RASP Contract Lab (Out-Source)

Method: Similar to EPA Region 7 RLAB Method 3230.2G (see comments)

Samples: 101-__ 102-__

Comments:
A dilution was necessary in order to obtain valid results due to matrix interferences for sample 5729-101. This increased the reporting limits by a factor of 10 for this sample.

For 5729-101, di-n-octylphthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, & benzo(g,h,i)perylene were not found in the sample at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to a low internal standard response.

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: 101-__ 102-__

Comments:

Analysis **Comments About Results For This Analysis**

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: 101-__ 102-__ 105-FB

Comments:

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 3230.13E

Samples: 101-__ 102-__ 106-FB

Comments:

Sample 102 required dilutions for Chloromethane, Acetone, 2-Butanone and Chloroform.

Acetone was J-coded in samples 101 and 102 and UJ-coded in sample 106FB due to the initial instrument calibration curve not meeting linearity specifications and the continuing calibration check not meeting accuracy specifications. The actual value or reporting limit may be higher than the reported value.

1,2,4-Trichlorobenzene, Naphthalene and 1,2,3-Trichlorobenzene were UJ-coded in samples 101, 102 and 106FB. 1,2-Dibromo-3-Chloropropane was UJ-coded in sample 102. 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 and low recovery in the laboratory control sample or matrix spikes. The actual reporting limit for these analytes may be higher than the reported value.

1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,1-Dichloroethene and Styrene were UJ-coded in sample 101. 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 these analytes in the laboratory matrix spike. The actual reporting limit for these analytes may be higher than the reported value. 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Naphthalene were non-detect in the spikes due to system issues involving carryover/contamination, as happened in the CCal/LCS. Styrene just disappeared, most likely due to matrix interference.

Analysis/ Analyte	Units	1-__	2-__	101-__	102-__
1 PCBs in Hazardous by GC/EC					
Aroclor 1016	mg/kg	99 U	98 U		
Aroclor 1221	mg/kg	99 U	98 U		
Aroclor 1232	mg/kg	99 U	98 U		
Aroclor 1242	mg/kg	490	502		
Aroclor 1248	mg/kg	99 U	98 U		
Aroclor 1254	mg/kg	50 U	49 U		
Aroclor 1260	mg/kg	40 U	39 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	N/A R	N/A R		
Benzo(a)pyrene	mg/kg	N/A R	N/A R		
Benzo(b)fluoranthene	mg/kg	N/A R	N/A R		
Benzo(g,h,i)perylene	mg/kg	N/A R	N/A R		
Benzo(k)fluoranthene	mg/kg	N/A R	N/A R		
Benzoic acid	mg/kg	100 U	100 U		
Benzyl alcohol	mg/kg	100 U	100 U		
bis(2-Chloroethoxy)methane	mg/kg	100 U	100 U		
bis(2-Chloroisopropyl)ether	mg/kg	100 U	100 U		
bis(2-Ethylhexyl)phthalate	mg/kg	136 J	N/A R		
4-Bromophenyl-phenylether	mg/kg	100 U	100 U		
Butylbenzylphthalate	mg/kg	N/A R	N/A R		
4-Chloro-3-methylphenol	mg/kg	100 U	100 U		
4-Chloroaniline	mg/kg	100 U	100 U		
2-Chloronaphthalene	mg/kg	100 U	100 U		
2-Chlorophenol	mg/kg	100 U	100 U		
4-Chlorophenyl-phenylether	mg/kg	100 U	100 U		
Chrysene	mg/kg	N/A R	N/A R		
Di-n-butylphthalate	mg/kg	100 U	100 U		
Di-n-octylphthalate	mg/kg	125 J	N/A R		
Dibenz(a,h)anthracene	mg/kg	N/A R	N/A R		
Dibenzofuran	mg/kg	100 U	100 U		
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	N/A R	N/A R		
2,4-Dichlorophenol	mg/kg	100 U	100 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	100 U	100 U		
2,4-Dinitrophenol	mg/kg	100 U	100 U		
2,4-Dinitrotoluene	mg/kg	100 U	100 U		
2,6-Dinitrotoluene	mg/kg	100 U	100 U		

Analysis/ Analyte	Units	1-__	2-__	101-__	102-__
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	N/A R	N/A R		
Isophorone	mg/kg	100 U	100 U		
2-Methylnaphthalene	mg/kg	100 U	100 U		
2-Methylphenol	mg/kg	100 U	100 U		
4-Methylphenol	mg/kg	100 U	100 U		
Naphthalene	mg/kg	100 U	100 U		
2-Nitroaniline	mg/kg	100 U	100 U		
3-Nitroaniline	mg/kg	100 U	100 U		
4-Nitroaniline	mg/kg	100 U	100 U		
Nitrobenzene	mg/kg	100 U	100 U		
2-Nitrophenol	mg/kg	100 U	100 U		
4-Nitrophenol	mg/kg	100 U	100 U		
N-nitroso-di-n-propylamine	mg/kg	100 U	100 U		
N-nitrosodiphenylamine	mg/kg	100 U	100 U		
Pentachlorophenol	mg/kg	100 U	100 U		
Phenanthrene	mg/kg	100 U	100 U		
Phenol	mg/kg	100 U	100 U		
Pyrene	mg/kg	N/A R	N/A R		
1,2,4-Trichlorobenzene	mg/kg	100 U	100 U		
2,4,5-Trichlorophenol	mg/kg	100 U	100 U		
2,4,6-Trichlorophenol	mg/kg	100 U	100 U		
1 Semi-Volatile TPH (DRO & ORO) in Waste by GC/FID					
TPH DRO	mg/kg	90300 J	28700		
1 TPH Volatiles in Waste by GC/MS					
Purgeable TPH	mg/kg	2 U	4.43		
1 VOCs in Solid Hazardous Matrices by GC/MS					
Acetone	mg/kg	5 U	5 U		
Benzene	mg/kg	0.5 U	0.5 U		
Bromodichloromethane	mg/kg	0.5 U	0.5 U		
Bromoform	mg/kg	0.5 U	0.5 U		
Bromomethane	mg/kg	1 U	1 U		
2-Butanone	mg/kg	5 U	5 U		
Carbon Disulfide	mg/kg	0.5 U	0.5 U		
Carbon Tetrachloride	mg/kg	0.5 U	0.5 U		
Chlorobenzene	mg/kg	0.5 U	0.5 U		
Chloroethane	mg/kg	1 U	1 U		
Chloroform	mg/kg	0.5 U	0.65		
Chloromethane	mg/kg	1 U	5.93		
1,2-Dibromo-3-Chloropropane	mg/kg	1 U	1 U		

Analysis/ Analyte	Units	1-__	2-__	101-__	102-__
Dibromochloromethane	mg/kg	0.5 U	0.5 U		
1,2-Dibromoethane	mg/kg	0.5 U	0.5 U		
1,2-Dichlorobenzene	mg/kg	0.5 U	0.5 U		
1,3-Dichlorobenzene	mg/kg	0.5 U	0.5 U		
1,4-Dichlorobenzene	mg/kg	0.5 U	0.5 U		
1,1-Dichloroethane	mg/kg	0.5 U	0.5 U		
1,2-Dichloroethane	mg/kg	0.5 U	0.5 U		
1,1-Dichloroethene	mg/kg	0.5 U	0.5 U		
cis-1,2-Dichloroethene	mg/kg	0.5 U	0.5 U		
trans-1,2-Dichloroethene	mg/kg	0.5 U	0.5 U		
1,2-Dichloropropane	mg/kg	0.5 U	0.5 U		
cis-1,3-Dichloropropene	mg/kg	0.5 U	0.5 U		
trans-1,3-Dichloropropene	mg/kg	0.5 U	0.5 U		
Ethyl Benzene	mg/kg	0.5 U	0.5 U		
2-Hexanone	mg/kg	2 U	2 U		
Isopropylbenzene	mg/kg	0.5 U	0.5 U		
Methylene Chloride	mg/kg	0.5 U	0.5 U		
4-Methyl-2-Pentanone	mg/kg	2 U	2 U		
Naphthalene	mg/kg	0.5 U	0.5 U		
Styrene	mg/kg	0.5 U	0.5 U		
1,1,2,2-Tetrachloroethane	mg/kg	0.5 U	0.55		
Tetrachloroethene	mg/kg	0.5 U	0.5 U		
Toluene	mg/kg	0.5 U	0.5 U		
1,2,3-Trichlorobenzene	mg/kg	0.5 U	0.5 U		
1,2,4-Trichlorobenzene	mg/kg	0.5 U	0.5 U		
1,1,1-Trichloroethane	mg/kg	0.5 U	0.5 U		
1,1,2-Trichloroethane	mg/kg	0.5 U	0.5 U		
Trichloroethene	mg/kg	0.5 U	0.5 U		
Trichlorofluoromethane	mg/kg	1 U	1 U		
Vinyl Chloride	mg/kg	1 U	1 U		
m and/or p-Xylene	mg/kg	0.5 U	0.5 U		
o-Xylene	mg/kg	0.5 U	0.5 U		
1 Pesticides in Water by GC/EC					
Aroclor 1016	ug/L			200 U	200 U
Aroclor 1221	ug/L			200 U	200 U
Aroclor 1232	ug/L			200 U	200 U
Aroclor 1242	ug/L			1800	610 J
Aroclor 1248	ug/L			160 U	160 U
Aroclor 1254	ug/L			120 U	120 U
Aroclor 1260	ug/L			80 U	80 U
1 Semi-Volatile Organic Compounds in Water					
Acenaphthene	ug/L			100 U	10 U
Acenaphthylene	ug/L			100 U	10 U
Anthracene	ug/L			100 U	10 U
Benzo(a)anthracene	ug/L			100 U	10 U

Analysis/ Analyte	Units	1-__	2-__	101-__	102-__
Benzo(a)pyrene	ug/L			100 UJ	10 U
Benzo(b)fluoranthene	ug/L			100 UJ	10 U
Benzo(g,h,i)perylene	ug/L			100 UJ	10 U
Benzo(k)fluoranthene	ug/L			100 UJ	10 U
Benzoic acid	ug/L			100 U	100 U
Benzyl alcohol	ug/L			100 U	10 U
bis(2-Chloroethoxy)methane	ug/L			100 U	10 U
bis(2-Chloroisopropyl)ether	ug/L			100 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L			100 U	21
4-Bromophenyl-phenylether	ug/L			100 U	10 U
Butylbenzylphthalate	ug/L			100 U	10 U
4-Chloro-3-methylphenol	ug/L			100 U	10 U
4-Chloroaniline	ug/L			100 U	10 U
2-Chloronaphthalene	ug/L			100 U	10 U
2-Chlorophenol	ug/L			100 U	10 U
4-Chlorophenyl-phenylether	ug/L			100 U	10 U
Chrysene	ug/L			100 U	10 U
Di-n-butylphthalate	ug/L			100 U	10 U
Di-n-octylphthalate	ug/L			100 UJ	17.2
Dibenz(a,h)anthracene	ug/L			100 UJ	10 U
Dibenzofuran	ug/L			100 U	10 U
1,2-Dichlorobenzene	ug/L			100 U	10 U
1,3-Dichlorobenzene	ug/L			100 U	10 U
1,4-Dichlorobenzene	ug/L			100 U	10 U
3,3'-Dichlorobenzidine	ug/L			100 U	10 U
2,4-Dichlorophenol	ug/L			100 U	10 U
Diethylphthalate	ug/L			100 U	10 U
2,4-Dimethylphenol	ug/L			100 U	10 U
Dimethylphthalate	ug/L			100 U	10 U
4,6-Dinitro-2-methylphenol	ug/L			100 U	10 U
2,4-Dinitrophenol	ug/L			100 U	10 U
2,4-Dinitrotoluene	ug/L			100 U	10 U
2,6-Dinitrotoluene	ug/L			100 U	10 U
Fluoranthene	ug/L			100 U	10 U
Fluorene	ug/L			100 U	10 U
Hexachlorobenzene	ug/L			100 U	10 U
Hexachlorobutadiene	ug/L			100 U	10 U
Hexachlorocyclopentadiene	ug/L			100 U	10 U
Hexachloroethane	ug/L			100 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L			100 UJ	10 U
Isophorone	ug/L			100 U	10 U
2-Methylnaphthalene	ug/L			100 U	10 U
2-Methylphenol	ug/L			100 U	10 U
4-Methylphenol	ug/L			100 U	10 U
Naphthalene	ug/L			100 U	10 U

Analysis/ Analyte	Units	1-__	2-__	101-__	102-__
2-Nitroaniline	ug/L			100 U	10 U
3-Nitroaniline	ug/L			100 U	10 U
4-Nitroaniline	ug/L			100 U	10 U
Nitrobenzene	ug/L			100 U	10 U
2-Nitrophenol	ug/L			100 U	10 U
4-Nitrophenol	ug/L			100 U	10 U
N-nitroso-di-n-propylamine	ug/L			100 U	10 U
N-nitrosodiphenylamine	ug/L			100 U	10 U
Pentachlorophenol	ug/L			100 U	10 U
Phenanthrene	ug/L			100 U	10 U
Phenol	ug/L			100 U	10 U
Pyrene	ug/L			100 U	10 U
1,2,4-Trichlorobenzene	ug/L			100 U	10 U
2,4,5-Trichlorophenol	ug/L			100 U	10 U
2,4,6-Trichlorophenol	ug/L			100 U	10 U
1 Semi-Volatile TPH (DRO & ORO) in Water by GC/FID					
TPH DRO	mg/L			25.6	14.9
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			30 J	730 J
Benzene	ug/L			1.0 U	1.4
Bromodichloromethane	ug/L			1.0 U	1.0 U
Bromoform	ug/L			1.0 U	1.0 U
Bromomethane	ug/L			1.0 U	3.7
2-Butanone	ug/L			5.0 U	75
Carbon Disulfide	ug/L			2.0	6.6
Carbon Tetrachloride	ug/L			1.0 U	1.0 U
Chlorobenzene	ug/L			5.8	1.5
Chloroethane	ug/L			1.0 U	38
Chloroform	ug/L			1.0 U	42
Chloromethane	ug/L			1.0 U	5700
Cyclohexane	ug/L			1.0 U	1.0 U
1,2-Dibromo-3-Chloropropane	ug/L			5.0 U	5.0 UJ
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 UJ	1.0 U
1,3-Dichlorobenzene	ug/L			1.0 UJ	1.0 U
1,4-Dichlorobenzene	ug/L			1.0 UJ	1.0 U
Dichlorodifluoromethane	ug/L			1.0 U	1.0 U
1,1-Dichloroethane	ug/L			1.0 U	5.1
1,2-Dichloroethane	ug/L			1.0 U	2.9
1,1-Dichloroethene	ug/L			1.0 UJ	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

Analysis/ Analyte	Units	1-__	2-__	101-__	102-__
1,2-Dichloropropane	ug/L			1.0 U	2.2
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			5.0 U	5.0 U
Isopropylbenzene	ug/L			3.0	1.0 U
Methyl Acetate	ug/L			5.0 U	13
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	25
4-Methyl-2-Pentanone	ug/L			5.0 U	5.0 U
Naphthalene	ug/L			2.0 UJ	2.0 UJ
Styrene	ug/L			1.0 UJ	1.0 U
1,1,2,2-Tetrachloroethane	ug/L			1.0 U	1.0 U
Tetrachloroethene	ug/L			1.0 U	1.0 U
Toluene	ug/L			1.0	1.0 U
1,2,3-Trichlorobenzene	ug/L			1.0 UJ	1.0 UJ
1,2,4-Trichlorobenzene	ug/L			1.0 UJ	1.0 UJ
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	3.3
m and/or p-Xylene	ug/L			2.0 U	2.0 U
o-Xylene	ug/L			1.0 U	1.0 U

Analysis/ Analyte	Units	105-FB	106-FB	201-__	202-__
1 PCBs in Soil by GC/EC					
Aroclor 1016	ug/kg			190000 U	73000 U
Aroclor 1221	ug/kg			190000 U	73000 U
Aroclor 1232	ug/kg			190000 U	73000 U
Aroclor 1242	ug/kg			2100000	240000
Aroclor 1248	ug/kg			190000 U	73000 U
Aroclor 1254	ug/kg			93000 U	37000 U
Aroclor 1260	ug/kg			93000 U	37000 U
1 Percent Solid					
Solids, percent	%			41.5	54.5
1 Semi-Volatile Organic Compounds in Soil					
Acenaphthene	ug/kg			63200 U	65700 U
Acenaphthylene	ug/kg			63200 U	65700 U
Anthracene	ug/kg			63200 U	65700 U
Benzo(a)anthracene	ug/kg			63200 U	65700 U
Benzo(a)pyrene	ug/kg			63200 U	65700 UJ
Benzo(b)fluoranthene	ug/kg			63200 U	65700 UJ
Benzo(g,h,i)perylene	ug/kg			63200 U	65700 UJ
Benzo(k)fluoranthene	ug/kg			63200 U	65700 UJ
Benzoic acid	ug/kg			63200 U	65700 U
Benzyl alcohol	ug/kg			63200 U	65700 U
bis(2-Chloroethoxy)methane	ug/kg			63200 U	65700 U
bis(2-Chloroisopropyl)ether	ug/kg			63200 U	65700 U
bis(2-Ethylhexyl)phthalate	ug/kg			63200 U	65700 U
4-Bromophenyl-phenylether	ug/kg			63200 U	65700 U
Butylbenzylphthalate	ug/kg			63200 U	65700 U
4-Chloro-3-methylphenol	ug/kg			63200 U	65700 U
4-Chloroaniline	ug/kg			63200 U	65700 U
2-Chloronaphthalene	ug/kg			63200 U	65700 U
2-Chlorophenol	ug/kg			63200 U	65700 U
4-Chlorophenyl-phenylether	ug/kg			63200 U	65700 U
Chrysene	ug/kg			63200 U	65700 U
Di-n-butylphthalate	ug/kg			63200 U	65700 U
Di-n-octylphthalate	ug/kg			63200 U	65700 UJ
Dibenz(a,h)anthracene	ug/kg			63200 U	65700 UJ
Dibenzofuran	ug/kg			63200 U	65700 U
1,2-Dichlorobenzene	ug/kg			63200 U	65700 U
1,3-Dichlorobenzene	ug/kg			63200 U	65700 U
1,4-Dichlorobenzene	ug/kg			63200 U	65700 U
3,3'-Dichlorobenzidine	ug/kg			63200 U	65700 U
2,4-Dichlorophenol	ug/kg			63200 U	65700 U
Diethylphthalate	ug/kg			63200 U	65700 U
2,4-Dimethylphenol	ug/kg			63200 U	65700 U
Dimethylphthalate	ug/kg			63200 U	65700 U
4,6-Dinitro-2-methylphenol	ug/kg			63200 U	65700 U
2,4-Dinitrophenol	ug/kg			63200 U	65700 U

Analysis/ Analyte	Units	105-FB	106-FB	201-__	202-__
2,4-Dinitrotoluene	ug/kg			63200 U	65700 U
2,6-Dinitrotoluene	ug/kg			63200 U	65700 U
Fluoranthene	ug/kg			63200 U	65700 U
Fluorene	ug/kg			63200 U	65700 U
Hexachlorobenzene	ug/kg			63200 U	65700 U
Hexachlorobutadiene	ug/kg			63200 U	65700 U
Hexachlorocyclopentadiene	ug/kg			63200 U	65700 U
Hexachloroethane	ug/kg			63200 U	65700 U
Indeno(1,2,3-cd)pyrene	ug/kg			63200 U	65700 UJ
Isophorone	ug/kg			63200 U	65700 U
2-Methylnaphthalene	ug/kg			63200 U	65700 U
2-Methylphenol	ug/kg			63200 U	65700 U
4-Methylphenol	ug/kg			63200 U	65700 U
Naphthalene	ug/kg			63200 U	65700 U
2-Nitroaniline	ug/kg			63200 U	65700 U
3-Nitroaniline	ug/kg			63200 U	65700 U
4-Nitroaniline	ug/kg			63200 U	65700 U
Nitrobenzene	ug/kg			63200 U	65700 U
2-Nitrophenol	ug/kg			63200 U	65700 U
4-Nitrophenol	ug/kg			63200 U	65700 U
N-nitroso-di-n-propylamine	ug/kg			63200 U	65700 U
N-nitrosodiphenylamine	ug/kg			63200 U	65700 U
Pentachlorophenol	ug/kg			63200 U	65700 U
Phenanthrene	ug/kg			63200 U	65700 U
Phenol	ug/kg			63200 U	65700 U
Pyrene	ug/kg			63200 U	65700 U
1,2,4-Trichlorobenzene	ug/kg			63200 U	65700 U
2,4,5-Trichlorophenol	ug/kg			63200 U	65700 U
2,4,6-Trichlorophenol	ug/kg			63200 U	65700 U
1 Semi-Volatile TPH (DRO & ORO) in Soil by GC/FID					
TPH DRO	mg/kg			9670	13000
1 TPH Volatiles in Soil by GC/MS					
Purgeable TPH	ug/kg			50 UJ	900 J
1 VOCs in Solid Matrices by GC/MS					
Acetone	ug/kg			710 J	290
Benzene	ug/kg			9.6 UJ	8.1 U
Bromodichloromethane	ug/kg			9.6 UJ	8.1 U
Bromoform	ug/kg			19 UJ	16 U
Bromomethane	ug/kg			9.6 UJ	8.1 U
2-Butanone	ug/kg			170 J	84 J
Carbon Disulfide	ug/kg			23 J	13
Carbon Tetrachloride	ug/kg			9.6 UJ	8.1 U
Chlorobenzene	ug/kg			970 J	26 J
Chloroethane	ug/kg			9.6 UJ	53
Chloroform	ug/kg			9.6 UJ	110 J

Analysis/ Analyte	Units	105-FB	106-FB	201-__	202-__
Chloromethane	ug/kg			13 J	4600 J
Cyclohexane	ug/kg			48 J	8.1 UJ
1,2-Dibromo-3-Chloropropane	ug/kg			19 UJ	16 U
Dibromochloromethane	ug/kg			19 UJ	16 U
1,2-Dibromoethane	ug/kg			9.6 UJ	8.1 U
1,2-Dichlorobenzene	ug/kg			43 J	8.1 U
1,3-Dichlorobenzene	ug/kg			24 J	8.1 U
1,4-Dichlorobenzene	ug/kg			120 J	8.1 U
Dichlorodifluoromethane	ug/kg			19 UJ	16 UJ
1,1-Dichloroethane	ug/kg			9.6 UJ	10 J
1,2-Dichloroethane	ug/kg			9.6 UJ	8.1 U
1,1-Dichloroethene	ug/kg			9.6 UJ	8.1 U
cis-1,2-Dichloroethene	ug/kg			9.6 UJ	8.1 U
trans-1,2-Dichloroethene	ug/kg			9.6 UJ	8.1 U
1,2-Dichloropropane	ug/kg			9.6 UJ	8.1 U
cis-1,3-Dichloropropene	ug/kg			9.6 UJ	8.1 U
trans-1,3-Dichloropropene	ug/kg			9.6 UJ	8.1 U
Ethyl Benzene	ug/kg			9.6 UJ	8.1 UJ
2-Hexanone	ug/kg			19 UJ	16 U
Isopropylbenzene	ug/kg			760 J	59 J
Methyl Acetate	ug/kg			19 UJ	16 U
Methyl tert-butyl ether	ug/kg			9.6 UJ	8.1 U
Methylcyclohexane	ug/kg			690 J	67 J
Methylene Chloride	ug/kg			9.6 UJ	37 J
4-Methyl-2-Pentanone	ug/kg			9.6 UJ	8.1 U
Naphthalene	ug/kg			210 UJ	38 UJ
Styrene	ug/kg			9.6 UJ	8.1 UJ
1,1,2,2-Tetrachloroethane	ug/kg			1200 J	120 J
Tetrachloroethene	ug/kg			9.6 UJ	8.1 UJ
Toluene	ug/kg			9.6 UJ	8.1 U
1,2,3-Trichlorobenzene	ug/kg			9.6 UJ	8.1 UJ
1,2,4-Trichlorobenzene	ug/kg			9.6 UJ	8.1 UJ
1,1,1-Trichloroethane	ug/kg			9.6 UJ	8.1 UJ
1,1,2-Trichloroethane	ug/kg			9.6 UJ	8.1 U
Trichloroethene	ug/kg			9.6 UJ	8.1 U
Trichlorofluoromethane	ug/kg			9.6 UJ	8.1 U
1,1,2-Trichlorotrifluoroethane	ug/kg			9.6 UJ	8.1 UJ
Vinyl Chloride	ug/kg			19 UJ	16 U
m and/or p-Xylene	ug/kg			170 J	20 J
o-Xylene	ug/kg			75 J	8.1 UJ
1 TPH Volatiles in water by GC/MS					
Purgeable TPH	ug/L	50 U			
1 VOCs in Water by GC/MS for Low Detection Limits					
Acetone	ug/L		5.0 UJ		
Benzene	ug/L		1.0 U		

Analysis/ Analyte	Units	105-FB	106-FB	201-__	202-__
Bromodichloromethane	ug/L		1.0 U		
Bromoform	ug/L		1.0 U		
Bromomethane	ug/L		1.0 U		
2-Butanone	ug/L		5.0 U		
Carbon Disulfide	ug/L		1.0 U		
Carbon Tetrachloride	ug/L		1.0 U		
Chlorobenzene	ug/L		1.0 U		
Chloroethane	ug/L		1.0 U		
Chloroform	ug/L		1.0 U		
Chloromethane	ug/L		1.0 U		
Cyclohexane	ug/L		1.0 U		
1,2-Dibromo-3-Chloropropane	ug/L		5.0 U		
Dibromochloromethane	ug/L		1.0 U		
1,2-Dibromoethane	ug/L		1.0 U		
1,2-Dichlorobenzene	ug/L		1.0 U		
1,3-Dichlorobenzene	ug/L		1.0 U		
1,4-Dichlorobenzene	ug/L		1.0 U		
Dichlorodifluoromethane	ug/L		1.0 U		
1,1-Dichloroethane	ug/L		1.0 U		
1,2-Dichloroethane	ug/L		1.0 U		
1,1-Dichloroethene	ug/L		1.0 U		
cis-1,2-Dichloroethene	ug/L		1.0 U		
trans-1,2-Dichloroethene	ug/L		1.0 U		
1,2-Dichloropropane	ug/L		1.0 U		
cis-1,3-Dichloropropene	ug/L		1.0 U		
trans-1,3-Dichloropropene	ug/L		1.0 U		
Ethyl Benzene	ug/L		1.0 U		
2-Hexanone	ug/L		5.0 U		
Isopropylbenzene	ug/L		1.0 U		
Methyl Acetate	ug/L		5.0 U		
Methyl tert-butyl ether	ug/L		1.0 U		
Methylcyclohexane	ug/L		1.0 U		
Methylene Chloride	ug/L		1.0 U		
4-Methyl-2-Pentanone	ug/L		5.0 U		
Naphthalene	ug/L		2.0 UJ		
Styrene	ug/L		1.0 U		
1,1,2,2-Tetrachloroethane	ug/L		1.0 U		
Tetrachloroethene	ug/L		1.0 U		
Toluene	ug/L		1.0 U		
1,2,3-Trichlorobenzene	ug/L		1.0 UJ		
1,2,4-Trichlorobenzene	ug/L		1.0 UJ		
1,1,1-Trichloroethane	ug/L		1.0 U		
1,1,2-Trichloroethane	ug/L		1.0 U		
Trichloroethene	ug/L		1.0 U		
Trichlorofluoromethane	ug/L		1.0 U		

Analysis/ Analyte	Units	105-FB	106-FB	201-__	202-__
1,1,2-Trichlorotrifluoroethane	ug/L		1.0 U		
Vinyl Chloride	ug/L		1.0 U		
m and/or p-Xylene	ug/L		2.0 U		
o-Xylene	ug/L		1.0 U		

Analysis/ Analyte	Units	301-__	302-__	401-__	402-__
2 PCBs in Hazardous by GC/EC					
Aroclor 1016	mg/kg	9.9 U	9.7 U	9.8 U	9.9 U
Aroclor 1221	mg/kg	9.9 U	9.7 U	9.8 U	9.9 U
Aroclor 1232	mg/kg	9.9 U	9.7 U	9.8 U	9.9 U
Aroclor 1242	mg/kg	15	39 J	35	52
Aroclor 1248	mg/kg	9.9 U	9.7 U	9.8 U	9.9 U
Aroclor 1254	mg/kg	5.0 U	4.8 U	4.9 U	4.9 U
Aroclor 1260	mg/kg	4.0 U	3.9 U	3.9 U	3.9 U
2 Semi-Volatile Organic Compounds in Hazardous Waste					
Acenaphthene	mg/kg	100 U	100 U	100 U	100 U
Acenaphthylene	mg/kg	100 U	100 U	100 U	100 U
Anthracene	mg/kg	100 U	100 U	100 U	100 U
Benzo(a)anthracene	mg/kg	100 UJ	N/A R	100 UJ	100 UJ
Benzo(a)pyrene	mg/kg	100 UJ	N/A R	100 UJ	N/A R
Benzo(b)fluoranthene	mg/kg	100 UJ	N/A R	100 UJ	N/A R
Benzo(g,h,i)perylene	mg/kg	100 UJ	N/A R	100 UJ	N/A R
Benzo(k)fluoranthene	mg/kg	100 UJ	N/A R	100 UJ	N/A R
Benzoic acid	mg/kg	100 U	100 U	100 U	100 U
Benzyl alcohol	mg/kg	100 U	100 U	100 U	100 U
bis(2-Chloroethoxy)methane	mg/kg	100 U	100 U	100 U	100 U
bis(2-Chloroisopropyl)ether	mg/kg	100 U	100 U	100 U	100 U
bis(2-Ethylhexyl)phthalate	mg/kg	100 UJ	N/A R	100 UJ	100 UJ
4-Bromophenyl-phenylether	mg/kg	100 U	100 U	100 U	100 U
Butylbenzylphthalate	mg/kg	100 UJ	N/A R	100 UJ	100 UJ
4-Chloro-3-methylphenol	mg/kg	100 U	100 U	100 U	100 U
4-Chloroaniline	mg/kg	100 U	100 U	100 U	100 U
2-Chloronaphthalene	mg/kg	100 U	100 U	100 U	100 U
2-Chlorophenol	mg/kg	100 U	100 U	100 U	100 U
4-Chlorophenyl-phenylether	mg/kg	100 U	100 U	100 U	100 U
Chrysene	mg/kg	100 UJ	N/A R	100 UJ	100 UJ
Di-n-butylphthalate	mg/kg	100 U	100 U	100 U	100 U
Di-n-octylphthalate	mg/kg	100 UJ	N/A R	100 UJ	N/A R
Dibenz(a,h)anthracene	mg/kg	100 UJ	N/A R	100 UJ	N/A R
Dibenzofuran	mg/kg	100 U	100 U	100 U	100 U
1,2-Dichlorobenzene	mg/kg	100 U	100 U	100 U	100 U
1,3-Dichlorobenzene	mg/kg	100 U	100 U	100 U	100 U
1,4-Dichlorobenzene	mg/kg	100 U	100 U	100 U	100 U
3,3'-Dichlorobenzidine	mg/kg	100 UJ	N/A R	100 UJ	100 UJ
2,4-Dichlorophenol	mg/kg	100 U	100 U	100 U	100 U
Diethylphthalate	mg/kg	100 U	100 U	100 U	100 U
2,4-Dimethylphenol	mg/kg	100 U	100 U	100 U	100 U
Dimethylphthalate	mg/kg	100 U	100 U	100 U	100 U
4,6-Dinitro-2-methylphenol	mg/kg	100 U	100 U	100 U	100 U
2,4-Dinitrophenol	mg/kg	100 U	100 U	100 U	100 U
2,4-Dinitrotoluene	mg/kg	100 U	100 U	100 U	100 U
2,6-Dinitrotoluene	mg/kg	100 U	100 U	100 U	100 U

Analysis/ Analyte	Units	301-__	302-__	401-__	402-__
Fluoranthene	mg/kg	100 U	100 U	100 U	100 U
Fluorene	mg/kg	100 U	100 U	100 U	100 U
Hexachlorobenzene	mg/kg	100 U	100 U	100 U	100 U
Hexachlorobutadiene	mg/kg	100 U	100 U	100 U	100 U
Hexachlorocyclopentadiene	mg/kg	100 U	100 U	100 U	100 U
Hexachloroethane	mg/kg	100 U	100 U	100 U	100 U
Indeno(1,2,3-cd)pyrene	mg/kg	100 UJ	N/A R	100 UJ	N/A R
Isophorone	mg/kg	100 U	100 U	100 U	100 U
2-Methylnaphthalene	mg/kg	100 U	100 U	100 U	100 U
2-Methylphenol	mg/kg	100 U	100 U	100 U	100 U
4-Methylphenol	mg/kg	100 U	100 U	100 U	100 U
Naphthalene	mg/kg	100 U	100 U	100 U	100 U
2-Nitroaniline	mg/kg	100 U	100 U	100 U	100 U
3-Nitroaniline	mg/kg	100 U	100 U	100 U	100 U
4-Nitroaniline	mg/kg	100 U	100 U	100 U	100 U
Nitrobenzene	mg/kg	100 U	100 U	100 U	100 U
2-Nitrophenol	mg/kg	100 U	100 U	100 U	100 U
4-Nitrophenol	mg/kg	100 U	100 U	100 U	100 U
N-nitroso-di-n-propylamine	mg/kg	100 U	100 U	100 U	100 U
N-nitrosodiphenylamine	mg/kg	100 U	100 U	100 U	100 U
Pentachlorophenol	mg/kg	100 U	100 U	100 U	100 U
Phenanthrene	mg/kg	100 U	100 U	100 U	100 U
Phenol	mg/kg	100 U	100 U	100 U	100 U
Pyrene	mg/kg	100 UJ	N/A R	100 UJ	100 UJ
1,2,4-Trichlorobenzene	mg/kg	100 U	100 U	100 U	100 U
2,4,5-Trichlorophenol	mg/kg	100 U	100 U	100 U	100 U
2,4,6-Trichlorophenol	mg/kg	100 U	100 U	100 U	100 U
2 Semi-Volatile TPH (DRO & ORO) in Waste by GC/FID					
TPH DRO	mg/kg	999 U	33600		
2 TPH Volatiles in Waste by GC/MS					
Purgeable TPH	mg/kg	2 U	2 U		
2 VOCs in Solid Hazardous Matrices by GC/MS					
Acetone	mg/kg	5 U	5 U	5 U	5 U
Benzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	mg/kg	1 U	1 U	1 U	1 U
2-Butanone	mg/kg	5 U	5 U	5 U	5 U
Carbon Disulfide	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	mg/kg	1 U	1 U	1 U	1 U
Chloroform	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	mg/kg	1 U	2.71	1 U	1 U
1,2-Dibromo-3-Chloropropane	mg/kg	1 U	1 U	1 U	1 U

Analysis/ Analyte	Units	301-__	302-__	401-__	402-__
Dibromochloromethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Ethyl Benzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	mg/kg	2 U	2 U	2 U	2 U
Isopropylbenzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-Pentanone	mg/kg	2 U	2 U	2 U	2 U
Naphthalene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	mg/kg	1 U	1 U	1 U	1 U
Vinyl Chloride	mg/kg	1 U	1 U	1 U	1 U
m and/or p-Xylene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U

Analysis/ Analyte	Units	403-__	404-__	405-__	406-__
2 PCBs in Hazardous by GC/EC					
Aroclor 1016	mg/kg	9.8 U	9.9 U	10.0 U	9.9 U
Aroclor 1221	mg/kg	9.8 U	9.9 U	10.0 U	9.9 U
Aroclor 1232	mg/kg	9.8 U	9.9 U	10.0 U	9.9 U
Aroclor 1242	mg/kg	34	74	80	63 J
Aroclor 1248	mg/kg	9.8 U	9.9 U	10.0 U	9.9 U
Aroclor 1254	mg/kg	4.9 U	4.9 U	5.0 U	4.9 U
Aroclor 1260	mg/kg	3.9 U	3.9 U	4.0 U	3.9 U
2 Semi-Volatile Organic Compounds in Hazardous Waste					
Acenaphthene	mg/kg	100 U	100 U	100 U	100 U
Acenaphthylene	mg/kg	100 U	100 U	100 U	100 U
Anthracene	mg/kg	100 U	100 U	100 U	100 U
Benzo(a)anthracene	mg/kg	100 UJ	100 UJ	100 UJ	100 UJ
Benzo(a)pyrene	mg/kg	N/A R	N/A R	N/A R	N/A R
Benzo(b)fluoranthene	mg/kg	N/A R	N/A R	N/A R	N/A R
Benzo(g,h,i)perylene	mg/kg	N/A R	N/A R	N/A R	N/A R
Benzo(k)fluoranthene	mg/kg	N/A R	N/A R	N/A R	N/A R
Benzoic acid	mg/kg	100 U	100 U	100 U	100 U
Benzyl alcohol	mg/kg	100 U	100 U	100 U	100 U
bis(2-Chloroethoxy)methane	mg/kg	100 U	100 U	100 U	100 U
bis(2-Chloroisopropyl)ether	mg/kg	100 U	100 U	100 U	100 U
bis(2-Ethylhexyl)phthalate	mg/kg	100 UJ	100 UJ	100 UJ	100 UJ
4-Bromophenyl-phenylether	mg/kg	100 U	100 U	100 U	100 U
Butylbenzylphthalate	mg/kg	100 UJ	100 UJ	100 UJ	100 UJ
4-Chloro-3-methylphenol	mg/kg	100 U	100 U	100 U	100 U
4-Chloroaniline	mg/kg	100 U	100 U	100 U	100 U
2-Chloronaphthalene	mg/kg	100 U	100 U	100 U	100 U
2-Chlorophenol	mg/kg	100 U	100 U	100 U	100 U
4-Chlorophenyl-phenylether	mg/kg	100 U	100 U	100 U	100 U
Chrysene	mg/kg	100 UJ	100 UJ	100 UJ	100 UJ
Di-n-butylphthalate	mg/kg	100 U	100 U	100 U	100 U
Di-n-octylphthalate	mg/kg	N/A R	N/A R	N/A R	N/A R
Dibenz(a,h)anthracene	mg/kg	N/A R	N/A R	N/A R	N/A R
Dibenzofuran	mg/kg	100 U	100 U	100 U	100 U
1,2-Dichlorobenzene	mg/kg	100 U	100 U	100 U	100 U
1,3-Dichlorobenzene	mg/kg	100 U	100 U	100 U	100 U
1,4-Dichlorobenzene	mg/kg	100 U	100 U	100 U	100 U
3,3'-Dichlorobenzidine	mg/kg	100 UJ	100 UJ	100 UJ	100 UJ
2,4-Dichlorophenol	mg/kg	100 U	100 U	100 U	100 U
Diethylphthalate	mg/kg	100 U	100 U	100 U	100 U
2,4-Dimethylphenol	mg/kg	100 U	100 U	100 U	100 U
Dimethylphthalate	mg/kg	100 U	100 U	100 U	100 U
4,6-Dinitro-2-methylphenol	mg/kg	100 U	100 U	100 U	100 U
2,4-Dinitrophenol	mg/kg	100 U	100 U	100 U	100 U
2,4-Dinitrotoluene	mg/kg	100 U	100 U	100 U	100 U
2,6-Dinitrotoluene	mg/kg	100 U	100 U	100 U	100 U

Analysis/ Analyte	Units	403-__	404-__	405-__	406-__
Fluoranthene	mg/kg	100 U	100 U	100 U	100 U
Fluorene	mg/kg	100 U	100 U	100 U	100 U
Hexachlorobenzene	mg/kg	100 U	100 U	100 U	100 U
Hexachlorobutadiene	mg/kg	100 U	100 U	100 U	100 U
Hexachlorocyclopentadiene	mg/kg	100 U	100 U	100 U	100 U
Hexachloroethane	mg/kg	100 U	100 U	100 U	100 U
Indeno(1,2,3-cd)pyrene	mg/kg	N/A R	N/A R	N/A R	N/A R
Isophorone	mg/kg	100 U	100 U	100 U	100 U
2-Methylnaphthalene	mg/kg	100 U	100 U	100 U	100 U
2-Methylphenol	mg/kg	100 U	100 U	100 U	100 U
4-Methylphenol	mg/kg	100 U	100 U	100 U	100 U
Naphthalene	mg/kg	100 U	100 U	100 U	100 U
2-Nitroaniline	mg/kg	100 U	100 U	100 U	100 U
3-Nitroaniline	mg/kg	100 U	100 U	100 U	100 U
4-Nitroaniline	mg/kg	100 U	100 U	100 U	100 U
Nitrobenzene	mg/kg	100 U	100 U	100 U	100 U
2-Nitrophenol	mg/kg	100 U	100 U	100 U	100 U
4-Nitrophenol	mg/kg	100 U	100 U	100 U	100 U
N-nitroso-di-n-propylamine	mg/kg	100 U	100 U	100 U	100 U
N-nitrosodiphenylamine	mg/kg	100 U	100 U	100 U	100 U
Pentachlorophenol	mg/kg	100 U	100 U	100 U	100 U
Phenanthrene	mg/kg	100 U	100 U	100 U	100 U
Phenol	mg/kg	100 U	100 U	100 U	100 U
Pyrene	mg/kg	100 UJ	100 UJ	100 UJ	100 UJ
1,2,4-Trichlorobenzene	mg/kg	100 U	100 U	100 U	100 U
2,4,5-Trichlorophenol	mg/kg	100 U	100 U	100 U	100 U
2,4,6-Trichlorophenol	mg/kg	100 U	100 U	100 U	100 U
2 VOCs in Solid Hazardous Matrices by GC/MS					
Acetone	mg/kg	5 U	5 U	5 U	5 U
Benzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	mg/kg	1 U	1 U	1 U	1 U
2-Butanone	mg/kg	5 U	5 U	5 U	5 U
Carbon Disulfide	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	mg/kg	1 U	1 U	1 U	1 U
Chloroform	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	mg/kg	1 U	1.13	1.13	2.24
1,2-Dibromo-3-Chloropropane	mg/kg	1 U	1 U	1 U	1 U
Dibromochloromethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U

Analysis/ Analyte	Units	403-__	404-__	405-__	406-__
1,4-Dichlorobenzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Ethyl Benzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	mg/kg	2 U	2 U	2 U	2 U
Isopropylbenzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-Pentanone	mg/kg	2 U	2 U	2 U	2 U
Naphthalene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	mg/kg	1 U	1 U	1 U	1 U
Vinyl Chloride	mg/kg	1 U	1 U	1 U	1 U
m and/or p-Xylene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U

Analysis/ Analyte	Units	407-__	408-__	409-__	410-__
2 PCBs in Hazardous by GC/EC					
Aroclor 1016	mg/kg	10.0 U	9.8 U	9.8 U	9.8 U
Aroclor 1221	mg/kg	10.0 U	9.8 U	9.8 U	9.8 U
Aroclor 1232	mg/kg	10.0 U	9.8 U	9.8 U	9.8 U
Aroclor 1242	mg/kg	44	90 J	62 J	46 J
Aroclor 1248	mg/kg	10.0 U	9.8 U	9.8 U	9.8 U
Aroclor 1254	mg/kg	5.0 U	4.9 U	4.9 U	4.9 U
Aroclor 1260	mg/kg	4.0 U	3.9 U	3.9 U	3.9 U
2 Semi-Volatile Organic Compounds in Hazardous Waste					
Acenaphthene	mg/kg	100 U	100 U	100 U	100 U
Acenaphthylene	mg/kg	100 U	100 U	100 U	100 U
Anthracene	mg/kg	100 U	100 U	100 U	100 U
Benzo(a)anthracene	mg/kg	100 UJ	N/A R	N/A R	N/A R
Benzo(a)pyrene	mg/kg	N/A R	N/A R	N/A R	N/A R
Benzo(b)fluoranthene	mg/kg	N/A R	N/A R	N/A R	N/A R
Benzo(g,h,i)perylene	mg/kg	N/A R	N/A R	N/A R	N/A R
Benzo(k)fluoranthene	mg/kg	N/A R	N/A R	N/A R	N/A R
Benzoic acid	mg/kg	100 U	100 U	100 U	100 U
Benzyl alcohol	mg/kg	100 U	100 U	100 U	100 U
bis(2-Chloroethoxy)methane	mg/kg	100 U	100 U	100 U	100 U
bis(2-Chloroisopropyl)ether	mg/kg	100 U	100 U	100 U	100 U
bis(2-Ethylhexyl)phthalate	mg/kg	100 UJ	N/A R	N/A R	N/A R
4-Bromophenyl-phenylether	mg/kg	100 U	100 U	100 U	100 U
Butylbenzylphthalate	mg/kg	100 UJ	N/A R	N/A R	N/A R
4-Chloro-3-methylphenol	mg/kg	100 U	100 U	100 U	100 U
4-Chloroaniline	mg/kg	100 U	100 U	100 U	100 U
2-Chloronaphthalene	mg/kg	100 U	100 U	100 U	100 U
2-Chlorophenol	mg/kg	100 U	100 U	100 U	100 U
4-Chlorophenyl-phenylether	mg/kg	100 U	100 U	100 U	100 U
Chrysene	mg/kg	100 UJ	N/A R	N/A R	N/A R
Di-n-butylphthalate	mg/kg	100 U	100 U	100 U	100 U
Di-n-octylphthalate	mg/kg	N/A R	N/A R	N/A R	N/A R
Dibenz(a,h)anthracene	mg/kg	N/A R	N/A R	N/A R	N/A R
Dibenzofuran	mg/kg	100 U	100 U	100 U	100 U
1,2-Dichlorobenzene	mg/kg	100 U	100 U	100 U	100 U
1,3-Dichlorobenzene	mg/kg	100 U	100 U	100 U	100 U
1,4-Dichlorobenzene	mg/kg	100 U	100 U	100 U	100 U
3,3'-Dichlorobenzidine	mg/kg	100 UJ	N/A R	N/A R	N/A R
2,4-Dichlorophenol	mg/kg	100 U	100 U	100 U	100 U
Diethylphthalate	mg/kg	100 U	100 U	100 U	100 U
2,4-Dimethylphenol	mg/kg	100 U	100 U	100 U	100 U
Dimethylphthalate	mg/kg	100 U	100 U	100 U	100 U
4,6-Dinitro-2-methylphenol	mg/kg	100 U	100 U	100 U	100 U
2,4-Dinitrophenol	mg/kg	100 U	100 U	100 U	100 U
2,4-Dinitrotoluene	mg/kg	100 U	100 U	100 U	100 U
2,6-Dinitrotoluene	mg/kg	100 U	100 U	100 U	100 U

Analysis/ Analyte	Units	407-__	408-__	409-__	410-__
Fluoranthene	mg/kg	100 U	100 U	100 U	100 U
Fluorene	mg/kg	100 U	100 U	100 U	100 U
Hexachlorobenzene	mg/kg	100 U	100 U	100 U	100 U
Hexachlorobutadiene	mg/kg	100 U	100 U	100 U	100 U
Hexachlorocyclopentadiene	mg/kg	100 U	100 U	100 U	100 U
Hexachloroethane	mg/kg	100 U	100 U	100 U	100 U
Indeno(1,2,3-cd)pyrene	mg/kg	N/A R	N/A R	N/A R	N/A R
Isophorone	mg/kg	100 U	100 U	100 U	100 U
2-Methylnaphthalene	mg/kg	100 U	100 U	100 U	100 U
2-Methylphenol	mg/kg	100 U	100 U	100 U	100 U
4-Methylphenol	mg/kg	100 U	100 U	100 U	100 U
Naphthalene	mg/kg	100 U	100 U	100 U	100 U
2-Nitroaniline	mg/kg	100 U	100 U	100 U	100 U
3-Nitroaniline	mg/kg	100 U	100 U	100 U	100 U
4-Nitroaniline	mg/kg	100 U	100 U	100 U	100 U
Nitrobenzene	mg/kg	100 U	100 U	100 U	100 U
2-Nitrophenol	mg/kg	100 U	100 U	100 U	100 U
4-Nitrophenol	mg/kg	100 U	100 U	100 U	100 U
N-nitroso-di-n-propylamine	mg/kg	100 U	100 U	100 U	100 U
N-nitrosodiphenylamine	mg/kg	100 U	100 U	100 U	100 U
Pentachlorophenol	mg/kg	100 U	100 U	100 U	100 U
Phenanthrene	mg/kg	100 U	100 U	100 U	100 U
Phenol	mg/kg	100 U	100 U	100 U	100 U
Pyrene	mg/kg	100 UJ	N/A R	N/A R	N/A R
1,2,4-Trichlorobenzene	mg/kg	100 U	100 U	100 U	100 U
2,4,5-Trichlorophenol	mg/kg	100 U	100 U	100 U	100 U
2,4,6-Trichlorophenol	mg/kg	100 U	100 U	100 U	100 U
2 VOCs in Solid Hazardous Matrices by GC/MS					
Acetone	mg/kg	5 U	5 U	5 U	5 U
Benzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	mg/kg	1 U	1 U	1 U	1 U
2-Butanone	mg/kg	5 U	5 U	5 U	5 U
Carbon Disulfide	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	mg/kg	1 U	1 U	1 U	1 U
Chloroform	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	mg/kg	2.56	2.47	2.76	2.79
1,2-Dibromo-3-Chloropropane	mg/kg	1 U	1 U	1 U	1 U
Dibromochloromethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U

Analysis/ Analyte	Units	407-__	408-__	409-__	410-__
1,4-Dichlorobenzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Ethyl Benzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	mg/kg	2 U	2 U	2 U	2 U
Isopropylbenzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-Pentanone	mg/kg	2 U	2 U	2 U	2 U
Naphthalene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	mg/kg	1 U	1 U	1 U	1 U
Vinyl Chloride	mg/kg	1 U	1 U	1 U	1 U
m and/or p-Xylene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U

Analysis/ Analyte	Units	411-__
2 PCBs in Hazardous by GC/EC		
Aroclor 1016	mg/kg	9.9 U
Aroclor 1221	mg/kg	9.9 U
Aroclor 1232	mg/kg	9.9 U
Aroclor 1242	mg/kg	61 J
Aroclor 1248	mg/kg	9.9 U
Aroclor 1254	mg/kg	5.0 U
Aroclor 1260	mg/kg	4.0 U
2 Semi-Volatile Organic Compounds in Hazardous Waste		
Acenaphthene	mg/kg	100 U
Acenaphthylene	mg/kg	100 U
Anthracene	mg/kg	100 U
Benzo(a)anthracene	mg/kg	N/A R
Benzo(a)pyrene	mg/kg	N/A R
Benzo(b)fluoranthene	mg/kg	N/A R
Benzo(g,h,i)perylene	mg/kg	N/A R
Benzo(k)fluoranthene	mg/kg	N/A R
Benzoic acid	mg/kg	100 U
Benzyl alcohol	mg/kg	100 U
bis(2-Chloroethoxy)methane	mg/kg	100 U
bis(2-Chloroisopropyl)ether	mg/kg	100 U
bis(2-Ethylhexyl)phthalate	mg/kg	N/A R
4-Bromophenyl-phenylether	mg/kg	100 U
Butylbenzylphthalate	mg/kg	N/A R
4-Chloro-3-methylphenol	mg/kg	100 U
4-Chloroaniline	mg/kg	100 U
2-Chloronaphthalene	mg/kg	100 U
2-Chlorophenol	mg/kg	100 U
4-Chlorophenyl-phenylether	mg/kg	100 U
Chrysene	mg/kg	N/A R
Di-n-butylphthalate	mg/kg	100 U
Di-n-octylphthalate	mg/kg	N/A R
Dibenz(a,h)anthracene	mg/kg	N/A R
Dibenzofuran	mg/kg	100 U
1,2-Dichlorobenzene	mg/kg	100 U
1,3-Dichlorobenzene	mg/kg	100 U
1,4-Dichlorobenzene	mg/kg	100 U
3,3'-Dichlorobenzidine	mg/kg	N/A R
2,4-Dichlorophenol	mg/kg	100 U
Diethylphthalate	mg/kg	100 U
2,4-Dimethylphenol	mg/kg	100 U
Dimethylphthalate	mg/kg	100 U
4,6-Dinitro-2-methylphenol	mg/kg	100 U
2,4-Dinitrophenol	mg/kg	100 U
2,4-Dinitrotoluene	mg/kg	100 U
2,6-Dinitrotoluene	mg/kg	100 U

Analysis/ Analyte	Units	411-__
Fluoranthene	mg/kg	100 U
Fluorene	mg/kg	100 U
Hexachlorobenzene	mg/kg	100 U
Hexachlorobutadiene	mg/kg	100 U
Hexachlorocyclopentadiene	mg/kg	100 U
Hexachloroethane	mg/kg	100 U
Indeno(1,2,3-cd)pyrene	mg/kg	N/A R
Isophorone	mg/kg	100 U
2-Methylnaphthalene	mg/kg	100 U
2-Methylphenol	mg/kg	100 U
4-Methylphenol	mg/kg	100 U
Naphthalene	mg/kg	100 U
2-Nitroaniline	mg/kg	100 U
3-Nitroaniline	mg/kg	100 U
4-Nitroaniline	mg/kg	100 U
Nitrobenzene	mg/kg	100 U
2-Nitrophenol	mg/kg	100 U
4-Nitrophenol	mg/kg	100 U
N-nitroso-di-n-propylamine	mg/kg	100 U
N-nitrosodiphenylamine	mg/kg	100 U
Pentachlorophenol	mg/kg	100 U
Phenanthrene	mg/kg	100 U
Phenol	mg/kg	100 U
Pyrene	mg/kg	N/A R
1,2,4-Trichlorobenzene	mg/kg	100 U
2,4,5-Trichlorophenol	mg/kg	100 U
2,4,6-Trichlorophenol	mg/kg	100 U
2 VOCs in Solid Hazardous Matrices by GC/MS		
Acetone	mg/kg	5 U
Benzene	mg/kg	0.5 U
Bromodichloromethane	mg/kg	0.5 U
Bromoform	mg/kg	0.5 U
Bromomethane	mg/kg	1 U
2-Butanone	mg/kg	5 U
Carbon Disulfide	mg/kg	0.5 U
Carbon Tetrachloride	mg/kg	0.5 U
Chlorobenzene	mg/kg	0.5 U
Chloroethane	mg/kg	1 U
Chloroform	mg/kg	0.5 U
Chloromethane	mg/kg	2.9
1,2-Dibromo-3-Chloropropane	mg/kg	1 U
Dibromochloromethane	mg/kg	0.5 U
1,2-Dibromoethane	mg/kg	0.5 U
1,2-Dichlorobenzene	mg/kg	0.5 U
1,3-Dichlorobenzene	mg/kg	0.5 U

Analysis/ Analyte	Units	411-__
1,4-Dichlorobenzene	mg/kg	0.5 U
1,1-Dichloroethane	mg/kg	0.5 U
1,2-Dichloroethane	mg/kg	0.5 U
1,1-Dichloroethene	mg/kg	0.5 U
cis-1,2-Dichloroethene	mg/kg	0.5 U
trans-1,2-Dichloroethene	mg/kg	0.5 U
1,2-Dichloropropane	mg/kg	0.5 U
cis-1,3-Dichloropropene	mg/kg	0.5 U
trans-1,3-Dichloropropene	mg/kg	0.5 U
Ethyl Benzene	mg/kg	0.5 U
2-Hexanone	mg/kg	2 U
Isopropylbenzene	mg/kg	0.5 U
Methylene Chloride	mg/kg	0.5 U
4-Methyl-2-Pentanone	mg/kg	2 U
Naphthalene	mg/kg	0.5 U
Styrene	mg/kg	0.5 U
1,1,2,2-Tetrachloroethane	mg/kg	0.5 U
Tetrachloroethene	mg/kg	0.5 U
Toluene	mg/kg	0.5 U
1,2,3-Trichlorobenzene	mg/kg	0.5 U
1,2,4-Trichlorobenzene	mg/kg	0.5 U
1,1,1-Trichloroethane	mg/kg	0.5 U
1,1,2-Trichloroethane	mg/kg	0.5 U
Trichloroethene	mg/kg	0.5 U
Trichlorofluoromethane	mg/kg	1 U
Vinyl Chloride	mg/kg	1 U
m and/or p-Xylene	mg/kg	0.5 U
o-Xylene	mg/kg	0.5 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	15 / 5 / 12	1 of 1

CONTENTS OF SHIPMENT

SAMPLE NUMBER	TYPE OF CONTAINERS: CUBITAINER	8 oz BOTTLE	8 oz BOTTLE	BOTTLE	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										
5729-1		2			2					X	
-101			8		3	X					(a) VOA Set with 6 Vials
-105-FB					1	X					5/16/12
-106-FB					1	X					→ VOA Set with 4 Vials
-201		2			2					X	
-301		2			2					X	
-401		2			1					X	→ VOA Set with 6 Vials
-402		2			1					X	
-403		2			1					X	
-404		2			1					X	

All vials pin-size
ASR Not to eliminate single
Complete with bubbles
(a) 5/16/12

Clr. Temps. Rec'd.
Ret. 0-1°C 5/16/12

DESCRIPTION OF SHIPMENT

37 PIECE(S) CONSISTING OF ____ BOX(ES)
2 ICE CHEST(S); OTHER ____

MODE OF SHIPMENT

____ COMMERCIAL CARRIER: ____
____ COURIER
✓ SAMPLER CONVEYED
(SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
[signature] SEALED ☐ UNSEALED ☒	5-16-12	0800	[signature] SEALED ☐ UNSEALED ☒	delivery Sample
RELINQUISHED BY: [signature] SEALED ☐ UNSEALED ☒	5.16.12	10:51	RECEIVED BY: [signature] SEALED ☐ UNSEALED ☐	Rec'd at lab
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	16 / 5 / 12	1 of 1

CONTENTS OF SHIPMENT

SAMPLE NUMBER	TYPE OF CONTAINERS: CUBITAINER	8oz. BOTTLE	BOTTLE	BOTTLE	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										
S729-406		2			1					X	
-405		2			1					X	
-407		2			1					X	
-408		2			1					X	
-409		2			1					X	
-410		2			1					X	
S729-411		2			1					X	

AR Not Complete

Samples Rcd. bch
D-1 5/17/12

DESCRIPTION OF SHIPMENT

21 PIECE(S) CONSISTING OF _____ BOX(ES)
1 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
[signature] SEALED ☐ UNSEALED ☒	5-17-12	0900	[signature] SEALED ☐ UNSEALED ☒	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

*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	18 / 5 / 12	1 of 1

CONTENTS OF SHIPMENT

SAMPLE NUMBER	TYPE OF CONTAINERS: CUBITAINER	8oz BOTTLE	8oz BOTTLE	VOA SET (4 BOTTLE)	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										
5729-2		2	3		2					X	Oil
5729-102			3	1	1	X					1 VOA set with 2 vials 1 with [illegible]
5729-202		2		1	1					X	" "
5729-302		2			2					X	

ASR Complete

Samples didn't have time to cool down

Chr. Temps. Rec'd bet 19.4 – 26.3°C

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

5/18/12

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
[signature] SEALED ☐ UNSEALED ☒	5-18-12	1219	[signature] SEALED ☐ UNSEALED ☒	Reid at lab
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: 5729 **Sample Number:** 1 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5729-1-__

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: Oil sample

External Sample Number: ~~LBBO~~ LDBO-1

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

Latitude: ___ ___ ___ **Sample Collection: Start:** 5/15/12 10:45

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	* 2 VOCs in ~~Liquid~~ Solid * Hazardous Matrices by GC/MS
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Hazardous by GC/EC
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile TPH (DRO & ORO) in Waste by GC/FID

Sample Comments:

(N/A)

*Changed per BE email dated 6/27/12

Sample Collected By: TT/START

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

ASR Number: 5729 **Sample Number:** 2 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5729-2-__

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: Oil sample

External Sample Number: ~~LDMS-2~~ LDFO-1

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

Latitude: ___ ___ ___ **Sample Collection: Start:** ~~5/15/12~~ ~~14:00~~
Longitude: ___ ___ ___ **End:** 5/18/12 09:21

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	2 VOCs in ~~Liquid~~ *Solid Hazardous Matrices by GC/MS
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Hazardous by GC/EC
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile TPH (DRO & ORO) in Waste by GC/FID

Sample Comments:

(N/A)

*changed per BE email dated 6/27/12

Sample Collected By: TT/START

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

ASR Number: 5729 **Sample Number:** 101 **QC Code:** __ **Matrix:** Water **Tag ID:** 5729-101-__

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: Water sample

External Sample Number: LDBW-1

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

		Date	Time(24 hr)
Latitude: ___ ___ ___	**Sample Collection: Start:**	5/15/12	09:52
Longitude: ___ ___ ___	**End:**	__/__/__	__:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
3 - 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 * (PCBs only) 5/16/12
1 - 128oz amber glass	4 Deg C	7	Days	1 Semi-Volatile TPH (DRO & ORO) in Water by GC/FID
2 - 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)

MS/MSD 5/16/12

* Triple Volume

Sample Collected By: TT/START

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

ASR Number: 5729 **Sample Number:** 102 **QC Code:** __ **Matrix:** Water **Tag ID:** 5729-102-__

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: Water sample

External Sample Number: LDFW-2

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

Latitude: ___ ___ ___ **Sample Collection: Start:** 5/18/12 09:36

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

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
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: TT/START

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

ASR Number: 5729 **Sample Number:** 105 **QC Code:** FB **Matrix:** Water **Tag ID:** 5729-105-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: Water TPH VOA (GRO/OA-1) Trip Blank sample

External Sample Number: _____

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

Latitude: ___ ___ ___ **Sample Collection: Start:** 5/10/12 07:30

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

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
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: TT/START

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

ASR Number: 5729 **Sample Number:** 106 **QC Code:** FB **Matrix:** Water **Tag ID:** 5729-106-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: Water LDL VOA Trip Blank sample

External Sample Number: _____

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

Latitude: ___ ___ ___ **Sample Collection: Start:** 5/10/12 07:30

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

Sample Comments:

(N/A)

Sample Collected By: TT/START

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

ASR Number: 5729 **Sample Number:** 201 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5729-201-__

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: Sludge sample

External Sample Number: ~~LB~~ LDBS-1

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

Latitude: ___ ___ ___ **Sample Collection: Start:** 5/15/12 10:48

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

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
2 - 40mL VOA vial	4 Deg C	14	Days	1 TPH Volatiles 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	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
0 -	4 Deg C	0	Days	1 Percent Solid

Sample Comments:

(N/A)

Sample collected
Routine VOAs not 5035 per phone call on 5/16/12
changed LIMS @ SR @ 1:10 pm
5/16/12

Sample Collected By: TT/START

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

ASR Number: 5729 **Sample Number:** 202 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5729-202-__

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: Sludge sample

External Sample Number: LDFS-1

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

Latitude: ___ ___ ___ **Sample Collection: Start:** 5/18/12 10:15

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

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
2 - 40mL VOA vial	4 Deg C	14	Days	1 TPH Volatiles in Soil by GC/MS
4 - 40mL VOA vials ~~(soil VOA 5035)~~	4 Deg C, ~~H2O + sodium bisulfate (in 2 vials)~~ 5/18/12	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	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
0 -	4 Deg C	0	Days	1 Percent Solid

Sample Comments:

(N/A)

Sample Collected By: TT/START

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

ASR Number: 5729 **Sample Number:** 301 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5729-301-__

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: (1) Mixture of oil, water & sludge sample

External Sample Number: LDMS-1

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

Latitude: ___ ___ ___ **Sample Collection: Start:** 5/15/12 12:11

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

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 4 oz glass	4 Deg C	14	Days	2 Semi-Volatile Organic Compounds in Hazardous Waste
2 - 40mL VOA vial	4 Deg C	14	Days	2 TPH Volatiles in Waste by GC/MS
2 - 40mL VOA vial	4 Deg C	14	Days	2 VOCs in ~~Liquid~~ Solid Hazardous Matrices by GC/MS
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	2 Semi-Volatile TPH (DRO & ORO) in Waste by GC/FID

Sample Comments:

(N/A)

* Changed per BE email dated 6/27/12

Sample Collected By: TT/START

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

ASR Number: 5729 **Sample Number:** 302 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5729-302-__

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: (1) Mixture of oil, water & sludge sample

External Sample Number: LDMS-13

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

Latitude: ___ ___ ___ **Sample Collection: Start:** 5/18/12 11:09
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 4 oz glass	4 Deg C	14	Days	2 Semi-Volatile Organic Compounds in Hazardous Waste
2 - 40mL VOA vial	4 Deg C	14	Days	2 TPH Volatiles in Waste by GC/MS
2 - 40mL VOA vial	4 Deg C	14	Days	2 VOCs in ~~Liquid~~ * Solid Hazardous Matrices by GC/MS
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	2 Semi-Volatile TPH (DRO & ORO) in Waste by GC/FID

Sample Comments:

(N/A)

*Changed per BE email dated 6/27/12

Sample Collected By: TT/START

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

ASR Number: 5729 **Sample Number:** 401 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5729-401-__

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: (2) Mixture of oil, water & sludge sample

External Sample Number: LDMS-2

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

Latitude: ___ ___ ___ **Sample Collection: Start:** 5/15/12 14:00

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

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 4 oz glass	4 Deg C	14	Days	2 Semi-Volatile Organic Compounds in Hazardous Waste
6 ~~2~~ - 40mL VOA vial	4 Deg C	14	Days	2 VOCs in ~~Liquid~~ Solid* Hazardous Matrices by GC/MS
1 - 8 oz glass	4 Deg C	14	Days	2 PCBs in Hazardous by GC/EC

Sample Comments:

(N/A)

changed (per BE) to
* Solid Email dated 6/27/12

* Triple Volume

Sample Collected By: TT/START

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

ASR Number: 5729 **Sample Number:** 402 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5729-402-__

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: (2) Mixture of oil, water & sludge sample

External Sample Number: LDMS-3

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

Latitude: ___ ___ ___ **Sample Collection: Start:** 5/15/12 1500

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

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 4 oz glass	4 Deg C	14	Days	2 Semi-Volatile Organic Compounds in Hazardous Waste
2 - 40mL VOA vial	4 Deg C	14	Days	2 VOCs in ~~Liquid~~ *Solid Hazardous Matrices by GC/MS
1 - 8 oz glass	4 Deg C	14	Days	2 PCBs in Hazardous by GC/EC

Sample Comments:

(N/A)

*changed per BE email dated 6/27/12

Sample Collected By: TT/START

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

ASR Number: 5729 **Sample Number:** 403 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5729-403-__

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: (2) Mixture of oil, water & sludge sample

External Sample Number: LDMS-4

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

Latitude: ___ ___ ___ **Sample Collection: Start:** 5/15/12 1601

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

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 4 oz glass	4 Deg C	14	Days	2 Semi-Volatile Organic Compounds in Hazardous Waste
2 - 40mL VOA vial	4 Deg C	14	Days	2 VOCs in ~~Liquid~~ Solid or Hazardous Matrices by GC/MS
1 - 8 oz glass	4 Deg C	14	Days	2 PCBs in Hazardous by GC/EC

Sample Comments:

(N/A)

Changed per BC email dated 6/27/12

Sample Collected By: TT/START

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

ASR Number: 5729 **Sample Number:** 404 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5729-404-__

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: (2) Mixture of oil, water & sludge sample

External Sample Number: LDMS-S

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

Latitude: ___ ___ ___ **Sample Collection: Start:** 5/15/12 12:02

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

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 4 oz glass	4 Deg C	14	Days	2 Semi-Volatile Organic Compounds in Hazardous Waste
2 - 40mL VOA vial	4 Deg C	14	Days	2 VOCs in ~~Liquid~~ Solid Hazardous Matrices by GC/MS
1 - 8 oz glass	4 Deg C	14	Days	2 PCBs in Hazardous by GC/EC

Sample Comments:

(N/A)

A changed per BE email dated 6/27/12

Sample Collected By: TT/START

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

ASR Number: 5729 **Sample Number:** 405 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5729-405-__

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: (2) Mixture of oil, water & sludge sample

External Sample Number: LDMS-6

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

Latitude: ___ ___ ___ **Sample Collection: Start:** 5/16/12 10:15

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

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 4 oz glass	4 Deg C	14	Days	2 Semi-Volatile Organic Compounds in Hazardous Waste
2 - 40mL VOA vial	4 Deg C	14	Days	2 VOCs in ~~Liquid~~ * Solid Hazardous Matrices by GC/MS
1 - 8 oz glass	4 Deg C	14	Days	2 PCBs in Hazardous by GC/EC

Sample Comments:

(N/A)

* Changed per BE email dated 6/27/12

Sample Collected By: TT/START

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

ASR Number: 5729 **Sample Number:** 406 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5729-406-__

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: (2) Mixture of oil, water & sludge sample

External Sample Number: LDMS-7

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

Latitude: ___ ___ ___ **Sample Collection: Start:** 5/16/12 11:06

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

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 4 oz glass	4 Deg C	14	Days	2 Semi-Volatile Organic Compounds in Hazardous Waste
2 - 40mL VOA vial	4 Deg C	14	Days	2 VOCs in ~~Liquid~~ Solid Hazardous Matrices by GC/MS
1 - 8 oz glass	4 Deg C	14	Days	2 PCBs in Hazardous by GC/EC

Sample Comments:

(N/A)

* Changed per BE email dated 6/27/12

Sample Collected By: TT/START

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

ASR Number: 5729 **Sample Number:** 407 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5729-407-__

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: (2) Mixture of oil, water & sludge sample

External Sample Number: LDMS-8

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

Latitude: ___ ___ ___ **Sample Collection: Start:** 5/16/12 12:16

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

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 4 oz glass	4 Deg C	14	Days	2 Semi-Volatile Organic Compounds in Hazardous Waste
2 - 40mL VOA vial	4 Deg C	14	Days	2 VOCs in ~~Liquid~~ ☆ Solid Hazardous Matrices by GC/MS
1 - 8 oz glass	4 Deg C	14	Days	2 PCBs in Hazardous by GC/EC

Sample Comments:

(N/A)

☆ Changed per BE email dated 6/27/12

Sample Collected By: TT/START

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

ASR Number: 5729 **Sample Number:** 408 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5729-408-__

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: (2) Mixture of oil, water & sludge sample

External Sample Number: LDMS-9

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

Latitude: ___ ___ ___ **Sample Collection: Start:** 5/16/12 13:16

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

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 4 oz glass	4 Deg C	14	Days	2 Semi-Volatile Organic Compounds in Hazardous Waste
2 - 40mL VOA vial	4 Deg C	14	Days	2 VOCs ~~in Liquid~~ *Solid Hazardous Matrices by GC/MS
1 - 8 oz glass	4 Deg C	14	Days	2 PCBs in Hazardous by GC/EC

Sample Comments:

(N/A)

*changed per BE email dated 6/27/12

Sample Collected By: TT/START

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

ASR Number: 5729 **Sample Number:** 409 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5729-409-__

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: (2) Mixture of oil, water & sludge sample

External Sample Number: LDMS-10

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

Latitude: ___ ___ ___ **Sample Collection: Start:** 5/16/12 14:15

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

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 4 oz glass	4 Deg C	14	Days	2 Semi-Volatile Organic Compounds in Hazardous Waste
2 - 40mL VOA vial	4 Deg C	14	Days	2 VOCs ~~in Liquid~~ *Solid Hazardous Matrices by GC/MS
1 - 8 oz glass	4 Deg C	14	Days	2 PCBs in Hazardous by GC/EC

Sample Comments:

(N/A)

* Changed per BE email dated 6/27/12

Sample Collected By: TT/START

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

ASR Number: 5729 **Sample Number:** 410 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5729-410-__

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: (2) Mixture of oil, water & sludge sample

External Sample Number: LDMS-11

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

Latitude: ___ ___ ___ **Sample Collection: Start:** 5/16/12 15:13

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

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 4 oz glass	4 Deg C	14	Days	2 Semi-Volatile Organic Compounds in Hazardous Waste
2 - 40mL VOA vial	4 Deg C	14	Days	2 VOCs in ~~Liquid~~ Solid Hazardous Matrices by GC/MS
1 - 8 oz glass	4 Deg C	14	Days	2 PCBs in Hazardous by GC/EC

Sample Comments:

(N/A)

* Changed per RE email dated 6/27/12

Sample Collected By: TT/START

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

ASR Number: 5729 **Sample Number:** 411 **QC Code:** __ **Matrix:** Waste **Tag ID:** 5729-411-__

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: (2) Mixture of oil, water & sludge sample

External Sample Number: LDMS-12

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

Latitude: ___ ___ ___ **Sample Collection: Start:** 5/16/12 16:14

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

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
1 - 4 oz glass	4 Deg C	14	Days	2 Semi-Volatile Organic Compounds in Hazardous Waste
2 - 40mL VOA vial	4 Deg C	14	Days	2 VOCs ~~in Liquid~~ A Solids Hazardous Matrices by GC/MS
1 - 8 oz glass	4 Deg C	14	Days	2 PCBs in Hazardous by GC/EC

Sample Comments:

(N/A)

A Changed per BE email dated 6/27/12

Sample Collected By: TT/START