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February 17, 2017

Mark Schaeffer
Stantec
1060 Andrew Drive
Suite 140
West Chester, PA 19380

Work Order: **HS17020135**

Laboratory Results for: **MHIC - 631/632**

Dear Mark,

ALS Environmental received 14 sample(s) on Feb 03, 2017 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: Erica.Padilla
Erica Padilla
PM

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Client: Stantec
Project: MHIC - 631/632
Work Order: HS17020135

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS17020135-01	MHIC_AST_631_A-3'	Soil		02-Feb-2017 08:25	03-Feb-2017 08:35	☐
HS17020135-02	MHIC_AST_631_B-3'	Soil		02-Feb-2017 08:45	03-Feb-2017 08:35	☐
HS17020135-03	MHIC_AST_631_C-3'	Soil		02-Feb-2017 09:00	03-Feb-2017 08:35	☐
HS17020135-04	MHIC_AST_631_D-3'	Soil		02-Feb-2017 10:05	03-Feb-2017 08:35	☐
HS17020135-05	MHIC_AST_631_E-3'	Soil		02-Feb-2017 10:55	03-Feb-2017 08:35	☐
HS17020135-06	MHIC_AST_632_A-3'	Soil		02-Feb-2017 11:35	03-Feb-2017 08:35	☐
HS17020135-07	MHIC_AST_632_B-3'	Soil		02-Feb-2017 13:15	03-Feb-2017 08:35	☐
HS17020135-08	MHIC_AST_632_C-3'	Soil		02-Feb-2017 13:35	03-Feb-2017 08:35	☐
HS17020135-09	MHIC_AST_632_D-3'	Soil		02-Feb-2017 14:15	03-Feb-2017 08:35	☐
HS17020135-10	MHIC_AST_632_E-3'	Soil		02-Feb-2017 14:35	03-Feb-2017 08:35	☐
HS17020135-11	MHIC_AST_632_PB-2'	Soil		02-Feb-2017 14:55	03-Feb-2017 08:35	☐
HS17020135-12	MHIC_AST_631_PB-2'	Soil		02-Feb-2017 15:25	03-Feb-2017 08:35	☐
HS17020135-13	TB - 010617-30	Water		02-Feb-2017 00:01	03-Feb-2017 08:35	☐
HS17020135-14	TB - 010617-36	Water		02-Feb-2017 00:01	03-Feb-2017 08:35	☐

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Client: Stantec **CASE NARRATIVE**
Project: MHIC - 631/632
Work Order: HS17020135

GC Semivolatiles by Method SW8015

Batch ID: R289377

Sample ID: **MHIC_AST_631_A-3' (HS17020135-01MS)**
- The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. However, the LCS was within control limits. Therefore, data are reported. The recovery of the MS may be due to sample matrix interference.

Sample ID: **MHIC_AST_631_A-3' (HS17020135-01MSD)**
- The recovery of the Matrix Spike Duplicate (MSD) associated to this analyte was outside of the established control limits. However, the LCS was within control limits. Therefore, data are reported. The failed recovery of the MSD may be due to sample matrix interference.

GCMS Semivolatiles by Method SW8270

Batch ID: 112041,112082

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

GCMS Volatiles by Method SW8260

Batch ID: R289164

Sample ID: **HS17020191-07**
- MS and MSD are for an unrelated sample

Sample ID: **MHIC_AST_632_PB-2' (HS17020135-11)**
- 1,2,4-Trimethylbenzene reported with `E` for HS17020135-11 (MHIC_AST_632_PB-2'). This sample was reanalyzed at what would have been the appropriate medium-level dilution for the observed concentration but 1,2,4-Trimethylbenzene was not detected. ALS protocol dictates that over-diluted data not be reported and the lower of the two dilutions be reported. Therefore, data is flagged with an 'E' and should be considered estimated.

Batch ID: R289136,R289256

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Metals by Method SW6020

Batch ID: 112127

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method SW3550

Batch ID: R289297,R289299

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

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Client:	Stantec	**ANALYTICAL REPORT**	
Project:	MHIC - 631/632	WorkOrder:HS17020135	
Sample ID:	MHIC_AST_631_A-3'	Lab ID:HS17020135-01	
Collection Date:	02-Feb-2017 08:25	Matrix:Soil	

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
1,2,4-Trimethylbenzene	U		0.00081	0.0040	mg/Kg	1	07-Feb-2017 19:51
1,2-Dibromoethane	U		0.00040	0.0040	mg/Kg	1	07-Feb-2017 19:51
1,2-Dichloroethane	U		0.00049	0.0040	mg/Kg	1	07-Feb-2017 19:51
1,3,5-Trimethylbenzene	U		0.00065	0.0040	mg/Kg	1	07-Feb-2017 19:51
Benzene	**0.0072**		**0.00040**	**0.0040**	**mg/Kg**	1	07-Feb-2017 19:51
Ethylbenzene	U		0.00057	0.0040	mg/Kg	1	07-Feb-2017 19:51
Isopropylbenzene	U		0.00073	0.0040	mg/Kg	1	07-Feb-2017 19:51
m,p-Xylene	U		0.0013	0.0081	mg/Kg	1	07-Feb-2017 19:51
Methyl tert-butyl ether	U		0.00040	0.0040	mg/Kg	1	07-Feb-2017 19:51
Naphthalene	U		0.00065	0.0040	mg/Kg	1	07-Feb-2017 19:51
Toluene	U		0.00049	0.0040	mg/Kg	1	07-Feb-2017 19:51
Xylenes, Total	**0.0010**	J	**0.00081**	**0.0040**	**mg/Kg**	1	07-Feb-2017 19:51
Surr: 1,2-Dichloroethane-d4	*95.9*			*70-128*	*%REC*	*1*	*07-Feb-2017 19:51*
Surr: 4-Bromofluorobenzene	*94.8*			*73-126*	*%REC*	*1*	*07-Feb-2017 19:51*
Surr: Dibromofluoromethane	*96.9*			*71-128*	*%REC*	*1*	*07-Feb-2017 19:51*
Surr: Toluene-d8	*105*			*73-127*	*%REC*	*1*	*07-Feb-2017 19:51*
LOW-LEVEL SEMIVOLATILES		**Method:SW8270**			Prep:SW3541 / 03-Feb-2017		Analyst: ACN
Anthracene	U		0.00050	0.0033	mg/Kg	1	06-Feb-2017 21:08
Benz(a)anthracene	U		0.0016	0.0033	mg/Kg	1	06-Feb-2017 21:08
Benzo(a)pyrene	U		0.0010	0.0033	mg/Kg	1	06-Feb-2017 21:08
Benzo(b)fluoranthene	U		0.0012	0.0033	mg/Kg	1	06-Feb-2017 21:08
Benzo(g,h,i)perylene	U		0.00070	0.0033	mg/Kg	1	06-Feb-2017 21:08
Chrysene	U		0.00080	0.0033	mg/Kg	1	06-Feb-2017 21:08
Fluorene	U		0.0011	0.0033	mg/Kg	1	06-Feb-2017 21:08
Phenanthrene	U		0.0015	0.0033	mg/Kg	1	06-Feb-2017 21:08
Pyrene	U		0.00060	0.0033	mg/Kg	1	06-Feb-2017 21:08
Surr: 2,4,6-Tribromophenol	*78.8*			*36-126*	*%REC*	*1*	*06-Feb-2017 21:08*
Surr: 2-Fluorobiphenyl	*80.4*			*43-125*	*%REC*	*1*	*06-Feb-2017 21:08*
Surr: 2-Fluorophenol	*76.6*			*37-125*	*%REC*	*1*	*06-Feb-2017 21:08*
Surr: 4-Terphenyl-d14	*99.0*			*32-125*	*%REC*	*1*	*06-Feb-2017 21:08*
Surr: Nitrobenzene-d5	*88.7*			*37-125*	*%REC*	*1*	*06-Feb-2017 21:08*
Surr: Phenol-d6	*85.2*			*40-125*	*%REC*	*1*	*06-Feb-2017 21:08*
GLYCOLS AND ALCOHOLS BY SW8015C		**Method:SW8015**					Analyst: NPI
Diethylene Glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 17:23
Ethylene Glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 17:23
Propylene glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 17:23
Tetraethylene Glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 17:23
Triethylene glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 17:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

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ANALYTICAL REPORT

Client: Stantec
Project: MHIC - 631/632
Sample ID: MHIC_AST_631_A-3'
Collection Date: 02-Feb-2017 08:25

WorkOrder:HS17020135
Lab ID:HS17020135-01
Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A		**Method:SW6020**			Prep:SW3050A / 07-Feb-2017		Analyst: JDE
Lead	**8.63**		**0.0480**	**0.480**	**mg/Kg**	1	08-Feb-2017 14:34
MOISTURE		**Method:SW3550**					Analyst: DFF
Percent Moisture	**26.0**		**0.0100**	**0.0100**	**wt%**	1	09-Feb-2017 10:03

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client:	Stantec	**ANALYTICAL REPORT**	
Project:	MHIC - 631/632	WorkOrder:HS17020135	
Sample ID:	MHIC_AST_631_B-3'	Lab ID:HS17020135-02	
Collection Date:	02-Feb-2017 08:45	Matrix:Soil	

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
1,2,4-Trimethylbenzene	**0.092**		**0.00094**	**0.0047**	**mg/Kg**	1	07-Feb-2017 20:15
1,2-Dibromoethane	U		0.00047	0.0047	mg/Kg	1	07-Feb-2017 20:15
1,2-Dichloroethane	U		0.00056	0.0047	mg/Kg	1	07-Feb-2017 20:15
1,3,5-Trimethylbenzene	**0.019**		**0.00075**	**0.0047**	**mg/Kg**	1	07-Feb-2017 20:15
Benzene	**0.0038**	J	**0.00047**	**0.0047**	**mg/Kg**	1	07-Feb-2017 20:15
Ethylbenzene	**0.075**		**0.00066**	**0.0047**	**mg/Kg**	1	07-Feb-2017 20:15
Isopropylbenzene	**0.0045**	J	**0.00085**	**0.0047**	**mg/Kg**	1	07-Feb-2017 20:15
m,p-Xylene	**0.41**		**0.0015**	**0.0094**	**mg/Kg**	1	07-Feb-2017 20:15
Methyl tert-butyl ether	U		0.00047	0.0047	mg/Kg	1	07-Feb-2017 20:15
Naphthalene	U		0.00075	0.0047	mg/Kg	1	07-Feb-2017 20:15
Toluene	**0.015**		**0.00056**	**0.0047**	**mg/Kg**	1	07-Feb-2017 20:15
Xylenes, Total	**0.51**		**0.00094**	**0.0047**	**mg/Kg**	1	07-Feb-2017 20:15
Surr: 1,2-Dichloroethane-d4	*95.2*			*70-128*	*%REC*	*1*	*07-Feb-2017 20:15*
Surr: 4-Bromofluorobenzene	*94.5*			*73-126*	*%REC*	*1*	*07-Feb-2017 20:15*
Surr: Dibromofluoromethane	*95.3*			*71-128*	*%REC*	*1*	*07-Feb-2017 20:15*
Surr: Toluene-d8	*108*			*73-127*	*%REC*	*1*	*07-Feb-2017 20:15*
LOW-LEVEL SEMIVOLATILES		**Method:SW8270**			Prep:SW3541 / 03-Feb-2017		Analyst: ACN
Anthracene	U		0.00050	0.0033	mg/Kg	1	06-Feb-2017 21:27
Benz(a)anthracene	U		0.0016	0.0033	mg/Kg	1	06-Feb-2017 21:27
Benzo(a)pyrene	U		0.0010	0.0033	mg/Kg	1	06-Feb-2017 21:27
Benzo(b)fluoranthene	U		0.0012	0.0033	mg/Kg	1	06-Feb-2017 21:27
Benzo(g,h,i)perylene	U		0.00070	0.0033	mg/Kg	1	06-Feb-2017 21:27
Chrysene	U		0.00080	0.0033	mg/Kg	1	06-Feb-2017 21:27
Fluorene	U		0.0011	0.0033	mg/Kg	1	06-Feb-2017 21:27
Phenanthrene	U		0.0015	0.0033	mg/Kg	1	06-Feb-2017 21:27
Pyrene	U		0.00060	0.0033	mg/Kg	1	06-Feb-2017 21:27
Surr: 2,4,6-Tribromophenol	*84.5*			*36-126*	*%REC*	*1*	*06-Feb-2017 21:27*
Surr: 2-Fluorobiphenyl	*79.8*			*43-125*	*%REC*	*1*	*06-Feb-2017 21:27*
Surr: 2-Fluorophenol	*84.6*			*37-125*	*%REC*	*1*	*06-Feb-2017 21:27*
Surr: 4-Terphenyl-d14	*92.5*			*32-125*	*%REC*	*1*	*06-Feb-2017 21:27*
Surr: Nitrobenzene-d5	*94.1*			*37-125*	*%REC*	*1*	*06-Feb-2017 21:27*
Surr: Phenol-d6	*91.8*			*40-125*	*%REC*	*1*	*06-Feb-2017 21:27*
GLYCOLS AND ALCOHOLS BY SW8015C		**Method:SW8015**					Analyst: NPI
Diethylene Glycol	**2.1**		**1.0**	**1.0**	**mg/Kg**	1	09-Feb-2017 18:56
Ethylene Glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 18:56
Propylene glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 18:56
Tetraethylene Glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 18:56
Triethylene glycol	**2.1**		**1.0**	**1.0**	**mg/Kg**	1	09-Feb-2017 18:56

Note: See Qualifiers Page for a list of qualifiers and their explanation.

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Client:	Stantec		**ANALYTICAL REPORT**
Project:	MHIC - 631/632	WorkOrder:	HS17020135
Sample ID:	MHIC_AST_631_B-3'	Lab ID:	HS17020135-02
Collection Date:	02-Feb-2017 08:45	Matrix:	Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A		**Method:SW6020**			Prep:SW3050A / 07-Feb-2017		Analyst: JDE
Lead	**3.22**		**0.0463**	**0.463**	**mg/Kg**	1	08-Feb-2017 14:38
MOISTURE		**Method:SW3550**					Analyst: DFF
Percent Moisture	**30.8**		**0.0100**	**0.0100**	**wt%**	1	09-Feb-2017 10:22

Note: See Qualifiers Page for a list of qualifiers and their explanation.

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Client:	Stantec	**ANALYTICAL REPORT**	
Project:	MHIC - 631/632	WorkOrder:HS17020135	
Sample ID:	MHIC_AST_631_C-3'	Lab ID:HS17020135-03	
Collection Date:	02-Feb-2017 09:00	Matrix:Soil	

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
1,2,4-Trimethylbenzene	U		0.00087	0.0044	mg/Kg	1	08-Feb-2017 08:12
1,2-Dibromoethane	U		0.00044	0.0044	mg/Kg	1	08-Feb-2017 08:12
1,2-Dichloroethane	U		0.00052	0.0044	mg/Kg	1	08-Feb-2017 08:12
1,3,5-Trimethylbenzene	U		0.00070	0.0044	mg/Kg	1	08-Feb-2017 08:12
Benzene	**0.095**		**0.00044**	**0.0044**	**mg/Kg**	1	08-Feb-2017 08:12
Ethylbenzene	U		0.00061	0.0044	mg/Kg	1	08-Feb-2017 08:12
Isopropylbenzene	U		0.00078	0.0044	mg/Kg	1	08-Feb-2017 08:12
m,p-Xylene	**0.0024**	J	**0.0014**	**0.0087**	**mg/Kg**	1	08-Feb-2017 08:12
Methyl tert-butyl ether	U		0.00044	0.0044	mg/Kg	1	08-Feb-2017 08:12
Naphthalene	U		0.00070	0.0044	mg/Kg	1	08-Feb-2017 08:12
Toluene	**0.0012**	J	**0.00052**	**0.0044**	**mg/Kg**	1	08-Feb-2017 08:12
Xylenes, Total	**0.0024**	J	**0.00087**	**0.0044**	**mg/Kg**	1	08-Feb-2017 08:12
Surr: 1,2-Dichloroethane-d4	*95.5*			*70-128*	*%REC*	*1*	*08-Feb-2017 08:12*
Surr: 4-Bromofluorobenzene	*94.0*			*73-126*	*%REC*	*1*	*08-Feb-2017 08:12*
Surr: Dibromofluoromethane	*91.6*			*71-128*	*%REC*	*1*	*08-Feb-2017 08:12*
Surr: Toluene-d8	*104*			*73-127*	*%REC*	*1*	*08-Feb-2017 08:12*
LOW-LEVEL SEMIVOLATILES		**Method:SW8270**			Prep:SW3541 / 03-Feb-2017		Analyst: ACN
Anthracene	U		0.00050	0.0033	mg/Kg	1	06-Feb-2017 21:46
Benz(a)anthracene	U		0.0016	0.0033	mg/Kg	1	06-Feb-2017 21:46
Benzo(a)pyrene	U		0.0010	0.0033	mg/Kg	1	06-Feb-2017 21:46
Benzo(b)fluoranthene	U		0.0012	0.0033	mg/Kg	1	06-Feb-2017 21:46
Benzo(g,h,i)perylene	U		0.00070	0.0033	mg/Kg	1	06-Feb-2017 21:46
Chrysene	U		0.00080	0.0033	mg/Kg	1	06-Feb-2017 21:46
Fluorene	U		0.0011	0.0033	mg/Kg	1	06-Feb-2017 21:46
Phenanthrene	U		0.0015	0.0033	mg/Kg	1	06-Feb-2017 21:46
Pyrene	U		0.00060	0.0033	mg/Kg	1	06-Feb-2017 21:46
Surr: 2,4,6-Tribromophenol	*83.1*			*36-126*	*%REC*	*1*	*06-Feb-2017 21:46*
Surr: 2-Fluorobiphenyl	*86.0*			*43-125*	*%REC*	*1*	*06-Feb-2017 21:46*
Surr: 2-Fluorophenol	*88.5*			*37-125*	*%REC*	*1*	*06-Feb-2017 21:46*
Surr: 4-Terphenyl-d14	*101*			*32-125*	*%REC*	*1*	*06-Feb-2017 21:46*
Surr: Nitrobenzene-d5	*104*			*37-125*	*%REC*	*1*	*06-Feb-2017 21:46*
Surr: Phenol-d6	*92.3*			*40-125*	*%REC*	*1*	*06-Feb-2017 21:46*
GLYCOLS AND ALCOHOLS BY SW8015C		**Method:SW8015**					Analyst: NPI
Diethylene Glycol	**2.1**		**1.0**	**1.0**	**mg/Kg**	1	09-Feb-2017 19:28
Ethylene Glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 19:28
Propylene glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 19:28
Tetraethylene Glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 19:28
Triethylene glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 19:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

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ANALYTICAL REPORT

Client: Stantec
Project: MHIC - 631/632
Sample ID: MHIC_AST_631_C-3'
Collection Date: 02-Feb-2017 09:00

WorkOrder:HS17020135
Lab ID:HS17020135-03
Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A		**Method:SW6020**			Prep:SW3050A / 07-Feb-2017		Analyst: JDE
Lead	**1.33**		**0.0462**	**0.462**	**mg/Kg**	1	08-Feb-2017 14:43
MOISTURE		**Method:SW3550**					Analyst: DFF
Percent Moisture	**12.7**		**0.0100**	**0.0100**	**wt%**	1	09-Feb-2017 10:22

Note: See Qualifiers Page for a list of qualifiers and their explanation.

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Client:	Stantec	**ANALYTICAL REPORT**	
Project:	MHIC - 631/632	WorkOrder:HS17020135	
Sample ID:	MHIC_AST_631_D-3'	Lab ID:HS17020135-04	
Collection Date:	02-Feb-2017 10:05	Matrix:Soil	

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
1,2,4-Trimethylbenzene	**0.0020**	J	**0.00092**	**0.0046**	**mg/Kg**	1	07-Feb-2017 20:38
1,2-Dibromoethane	U		0.00046	0.0046	mg/Kg	1	07-Feb-2017 20:38
1,2-Dichloroethane	U		0.00055	0.0046	mg/Kg	1	07-Feb-2017 20:38
1,3,5-Trimethylbenzene	U		0.00074	0.0046	mg/Kg	1	07-Feb-2017 20:38
Benzene	**0.0067**		**0.00046**	**0.0046**	**mg/Kg**	1	07-Feb-2017 20:38
Ethylbenzene	**0.00072**	J	**0.00064**	**0.0046**	**mg/Kg**	1	07-Feb-2017 20:38
Isopropylbenzene	U		0.00083	0.0046	mg/Kg	1	07-Feb-2017 20:38
m,p-Xylene	**0.0036**	J	**0.0015**	**0.0092**	**mg/Kg**	1	07-Feb-2017 20:38
Methyl tert-butyl ether	U		0.00046	0.0046	mg/Kg	1	07-Feb-2017 20:38
Naphthalene	U		0.00074	0.0046	mg/Kg	1	07-Feb-2017 20:38
Toluene	**0.0013**	J	**0.00055**	**0.0046**	**mg/Kg**	1	07-Feb-2017 20:38
Xylenes, Total	**0.0048**		**0.00092**	**0.0046**	**mg/Kg**	1	07-Feb-2017 20:38
Surr: 1,2-Dichloroethane-d4	*94.6*			*70-128*	*%REC*	*1*	*07-Feb-2017 20:38*
Surr: 4-Bromofluorobenzene	*94.8*			*73-126*	*%REC*	*1*	*07-Feb-2017 20:38*
Surr: Dibromofluoromethane	*94.8*			*71-128*	*%REC*	*1*	*07-Feb-2017 20:38*
Surr: Toluene-d8	*107*			*73-127*	*%REC*	*1*	*07-Feb-2017 20:38*
LOW-LEVEL SEMIVOLATILES		**Method:SW8270**			Prep:SW3541 / 03-Feb-2017		Analyst: ACN
Anthracene	U		0.00050	0.0033	mg/Kg	1	06-Feb-2017 22:05
Benz(a)anthracene	U		0.0016	0.0033	mg/Kg	1	06-Feb-2017 22:05
Benzo(a)pyrene	U		0.0010	0.0033	mg/Kg	1	06-Feb-2017 22:05
Benzo(b)fluoranthene	U		0.0012	0.0033	mg/Kg	1	06-Feb-2017 22:05
Benzo(g,h,i)perylene	U		0.00070	0.0033	mg/Kg	1	06-Feb-2017 22:05
Chrysene	U		0.00080	0.0033	mg/Kg	1	06-Feb-2017 22:05
Fluorene	U		0.0011	0.0033	mg/Kg	1	06-Feb-2017 22:05
Phenanthrene	U		0.0015	0.0033	mg/Kg	1	06-Feb-2017 22:05
Pyrene	U		0.00060	0.0033	mg/Kg	1	06-Feb-2017 22:05
Surr: 2,4,6-Tribromophenol	*76.9*			*36-126*	*%REC*	*1*	*06-Feb-2017 22:05*
Surr: 2-Fluorobiphenyl	*89.8*			*43-125*	*%REC*	*1*	*06-Feb-2017 22:05*
Surr: 2-Fluorophenol	*95.8*			*37-125*	*%REC*	*1*	*06-Feb-2017 22:05*
Surr: 4-Terphenyl-d14	*107*			*32-125*	*%REC*	*1*	*06-Feb-2017 22:05*
Surr: Nitrobenzene-d5	*108*			*37-125*	*%REC*	*1*	*06-Feb-2017 22:05*
Surr: Phenol-d6	*94.4*			*40-125*	*%REC*	*1*	*06-Feb-2017 22:05*
GLYCOLS AND ALCOHOLS BY SW8015C		**Method:SW8015**					Analyst: NPI
Diethylene Glycol	**1.9**		**1.0**	**1.0**	**mg/Kg**	1	09-Feb-2017 20:00
Ethylene Glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 20:00
Propylene glycol	**2.7**		**1.0**	**1.0**	**mg/Kg**	1	09-Feb-2017 20:00
Tetraethylene Glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 20:00
Triethylene glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 20:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

ANALYTICAL REPORT

Client: Stantec
Project: MHIC - 631/632
Sample ID: MHIC_AST_631_D-3'
Collection Date: 02-Feb-2017 10:05

WorkOrder:HS17020135
Lab ID:HS17020135-04
Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A		**Method:SW6020**			Prep:SW3050A / 07-Feb-2017		Analyst: JDE
Lead	**2.74**		**0.0477**	**0.477**	**mg/Kg**	1	08-Feb-2017 14:47
MOISTURE		**Method:SW3550**					Analyst: DFF
Percent Moisture	**17.4**		**0.0100**	**0.0100**	**wt%**	1	09-Feb-2017 10:22

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client:	Stantec	**ANALYTICAL REPORT**	
Project:	MHIC - 631/632	WorkOrder:HS17020135	
Sample ID:	MHIC_AST_631_E-3'	Lab ID:HS17020135-05	
Collection Date:	02-Feb-2017 10:55	Matrix:Soil	

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
1,2,4-Trimethylbenzene		U	0.00095	0.0048	mg/Kg	1	07-Feb-2017 21:01
1,2-Dibromoethane		U	0.00048	0.0048	mg/Kg	1	07-Feb-2017 21:01
1,2-Dichloroethane		U	0.00057	0.0048	mg/Kg	1	07-Feb-2017 21:01
1,3,5-Trimethylbenzene		U	0.00076	0.0048	mg/Kg	1	07-Feb-2017 21:01
Benzene		U	0.00048	0.0048	mg/Kg	1	07-Feb-2017 21:01
Ethylbenzene		U	0.00066	0.0048	mg/Kg	1	07-Feb-2017 21:01
Isopropylbenzene		U	0.00086	0.0048	mg/Kg	1	07-Feb-2017 21:01
m,p-Xylene		U	0.0015	0.0095	mg/Kg	1	07-Feb-2017 21:01
Methyl tert-butyl ether		U	0.00048	0.0048	mg/Kg	1	07-Feb-2017 21:01
Naphthalene		U	0.00076	0.0048	mg/Kg	1	07-Feb-2017 21:01
Toluene		U	0.00057	0.0048	mg/Kg	1	07-Feb-2017 21:01
Xylenes, Total		U	0.00095	0.0048	mg/Kg	1	07-Feb-2017 21:01
Surr: 1,2-Dichloroethane-d4	*91.6*			*70-128*	*%REC*	*1*	*07-Feb-2017 21:01*
Surr: 4-Bromofluorobenzene	*92.0*			*73-126*	*%REC*	*1*	*07-Feb-2017 21:01*
Surr: Dibromofluoromethane	*93.9*			*71-128*	*%REC*	*1*	*07-Feb-2017 21:01*
Surr: Toluene-d8	*103*			*73-127*	*%REC*	*1*	*07-Feb-2017 21:01*
LOW-LEVEL SEMIVOLATILES		**Method:SW8270**			Prep:SW3541 / 03-Feb-2017		Analyst: ACN
Anthracene		U	0.00050	0.0033	mg/Kg	1	06-Feb-2017 22:24
Benz(a)anthracene		U	0.0016	0.0033	mg/Kg	1	06-Feb-2017 22:24
Benzo(a)pyrene		U	0.0010	0.0033	mg/Kg	1	06-Feb-2017 22:24
Benzo(b)fluoranthene		U	0.0012	0.0033	mg/Kg	1	06-Feb-2017 22:24
Benzo(g,h,i)perylene		U	0.00070	0.0033	mg/Kg	1	06-Feb-2017 22:24
Chrysene		U	0.00080	0.0033	mg/Kg	1	06-Feb-2017 22:24
Fluorene		U	0.0011	0.0033	mg/Kg	1	06-Feb-2017 22:24
Phenanthrene		U	0.0015	0.0033	mg/Kg	1	06-Feb-2017 22:24
Pyrene		U	0.00060	0.0033	mg/Kg	1	06-Feb-2017 22:24
Surr: 2,4,6-Tribromophenol	*90.2*			*36-126*	*%REC*	*1*	*06-Feb-2017 22:24*
Surr: 2-Fluorobiphenyl	*91.2*			*43-125*	*%REC*	*1*	*06-Feb-2017 22:24*
Surr: 2-Fluorophenol	*90.9*			*37-125*	*%REC*	*1*	*06-Feb-2017 22:24*
Surr: 4-Terphenyl-d14	*104*			*32-125*	*%REC*	*1*	*06-Feb-2017 22:24*
Surr: Nitrobenzene-d5	*106*			*37-125*	*%REC*	*1*	*06-Feb-2017 22:24*
Surr: Phenol-d6	*93.7*			*40-125*	*%REC*	*1*	*06-Feb-2017 22:24*
GLYCOLS AND ALCOHOLS BY SW8015C		**Method:SW8015**					Analyst: NPI
Diethylene Glycol		U	1.0	1.0	mg/Kg	1	09-Feb-2017 21:04
Ethylene Glycol		U	1.0	1.0	mg/Kg	1	09-Feb-2017 21:04
Propylene glycol		U	1.0	1.0	mg/Kg	1	09-Feb-2017 21:04
Tetraethylene Glycol		U	1.0	1.0	mg/Kg	1	09-Feb-2017 21:04
Triethylene glycol		U	1.0	1.0	mg/Kg	1	09-Feb-2017 21:04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

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ANALYTICAL REPORT

Client: Stantec
Project: MHIC - 631/632
Sample ID: MHIC_AST_631_E-3'
Collection Date: 02-Feb-2017 10:55

WorkOrder:HS17020135
Lab ID:HS17020135-05
Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A		**Method:SW6020**			Prep:SW3050A / 07-Feb-2017		Analyst: JDE
Lead	**3.49**		**0.0456**	**0.456**	**mg/Kg**	1	08-Feb-2017 14:52
MOISTURE		**Method:SW3550**					Analyst: DFF
Percent Moisture	**28.2**		**0.0100**	**0.0100**	**wt%**	1	09-Feb-2017 10:22

Note: See Qualifiers Page for a list of qualifiers and their explanation.

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Client:	Stantec	**ANALYTICAL REPORT**	
Project:	MHIC - 631/632	WorkOrder:HS17020135	
Sample ID:	MHIC_AST_632_A-3'	Lab ID:HS17020135-06	
Collection Date:	02-Feb-2017 11:35	Matrix:Soil	

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
1,2,4-Trimethylbenzene		U	0.00095	0.0048	mg/Kg	1	07-Feb-2017 21:24
1,2-Dibromoethane		U	0.00048	0.0048	mg/Kg	1	07-Feb-2017 21:24
1,2-Dichloroethane		U	0.00057	0.0048	mg/Kg	1	07-Feb-2017 21:24
1,3,5-Trimethylbenzene		U	0.00076	0.0048	mg/Kg	1	07-Feb-2017 21:24
Benzene	**0.0053**		**0.00048**	**0.0048**	**mg/Kg**	1	07-Feb-2017 21:24
Ethylbenzene		U	0.00066	0.0048	mg/Kg	1	07-Feb-2017 21:24
Isopropylbenzene		U	0.00086	0.0048	mg/Kg	1	07-Feb-2017 21:24
m,p-Xylene		U	0.0015	0.0095	mg/Kg	1	07-Feb-2017 21:24
Methyl tert-butyl ether		U	0.00048	0.0048	mg/Kg	1	07-Feb-2017 21:24
Naphthalene		U	0.00076	0.0048	mg/Kg	1	07-Feb-2017 21:24
Toluene		U	0.00057	0.0048	mg/Kg	1	07-Feb-2017 21:24
Xylenes, Total		U	0.00095	0.0048	mg/Kg	1	07-Feb-2017 21:24
Surr: 1,2-Dichloroethane-d4	*97.1*			*70-128*	*%REC*	*1*	*07-Feb-2017 21:24*
Surr: 4-Bromofluorobenzene	*93.4*			*73-126*	*%REC*	*1*	*07-Feb-2017 21:24*
Surr: Dibromofluoromethane	*95.8*			*71-128*	*%REC*	*1*	*07-Feb-2017 21:24*
Surr: Toluene-d8	*105*			*73-127*	*%REC*	*1*	*07-Feb-2017 21:24*
LOW-LEVEL SEMIVOLATILES		**Method:SW8270**			Prep:SW3541 / 03-Feb-2017		Analyst: ACN
Anthracene		U	0.00050	0.0033	mg/Kg	1	06-Feb-2017 22:44
Benz(a)anthracene		U	0.0016	0.0033	mg/Kg	1	06-Feb-2017 22:44
Benzo(a)pyrene		U	0.0010	0.0033	mg/Kg	1	06-Feb-2017 22:44
Benzo(b)fluoranthene		U	0.0012	0.0033	mg/Kg	1	06-Feb-2017 22:44
Benzo(g,h,i)perylene		U	0.00070	0.0033	mg/Kg	1	06-Feb-2017 22:44
Chrysene		U	0.00080	0.0033	mg/Kg	1	06-Feb-2017 22:44
Fluorene		U	0.0011	0.0033	mg/Kg	1	06-Feb-2017 22:44
Phenanthrene		U	0.0015	0.0033	mg/Kg	1	06-Feb-2017 22:44
Pyrene		U	0.00060	0.0033	mg/Kg	1	06-Feb-2017 22:44
Surr: 2,4,6-Tribromophenol	*76.6*			*36-126*	*%REC*	*1*	*06-Feb-2017 22:44*
Surr: 2-Fluorobiphenyl	*85.5*			*43-125*	*%REC*	*1*	*06-Feb-2017 22:44*
Surr: 2-Fluorophenol	*93.4*			*37-125*	*%REC*	*1*	*06-Feb-2017 22:44*
Surr: 4-Terphenyl-d14	*103*			*32-125*	*%REC*	*1*	*06-Feb-2017 22:44*
Surr: Nitrobenzene-d5	*106*			*37-125*	*%REC*	*1*	*06-Feb-2017 22:44*
Surr: Phenol-d6	*88.4*			*40-125*	*%REC*	*1*	*06-Feb-2017 22:44*
GLYCOLS AND ALCOHOLS BY SW8015C		**Method:SW8015**					Analyst: NPI
Diethylene Glycol		U	1.0	1.0	mg/Kg	1	09-Feb-2017 21:36
Ethylene Glycol		U	1.0	1.0	mg/Kg	1	09-Feb-2017 21:36
Propylene glycol		U	1.0	1.0	mg/Kg	1	09-Feb-2017 21:36
Tetraethylene Glycol		U	1.0	1.0	mg/Kg	1	09-Feb-2017 21:36
Triethylene glycol		U	1.0	1.0	mg/Kg	1	09-Feb-2017 21:36

Note: See Qualifiers Page for a list of qualifiers and their explanation.

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ANALYTICAL REPORT

Client: Stantec
Project: MHIC - 631/632
Sample ID: MHIC_AST_632_A-3'
Collection Date: 02-Feb-2017 11:35

WorkOrder:HS17020135
Lab ID:HS17020135-06
Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A		**Method:SW6020**			Prep:SW3050A / 07-Feb-2017		Analyst: JDE
Lead	**2.10**		**0.0473**	**0.473**	**mg/Kg**	1	08-Feb-2017 14:56
MOISTURE		**Method:SW3550**					Analyst: DFF
Percent Moisture	**29.0**		**0.0100**	**0.0100**	**wt%**	1	09-Feb-2017 10:22

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client:	Stantec	**ANALYTICAL REPORT**	
Project:	MHIC - 631/632	WorkOrder:HS17020135	
Sample ID:	MHIC_AST_632_B-3'	Lab ID:HS17020135-07	
Collection Date:	02-Feb-2017 13:15	Matrix:Soil	

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
1,2,4-Trimethylbenzene	U		0.00092	0.0046	mg/Kg	1	07-Feb-2017 21:47
1,2-Dibromoethane	U		0.00046	0.0046	mg/Kg	1	07-Feb-2017 21:47
1,2-Dichloroethane	U		0.00055	0.0046	mg/Kg	1	07-Feb-2017 21:47
1,3,5-Trimethylbenzene	U		0.00074	0.0046	mg/Kg	1	07-Feb-2017 21:47
Benzene	**0.0017**	J	**0.00046**	**0.0046**	**mg/Kg**	1	07-Feb-2017 21:47
Ethylbenzene	U		0.00064	0.0046	mg/Kg	1	07-Feb-2017 21:47
Isopropylbenzene	U		0.00083	0.0046	mg/Kg	1	07-Feb-2017 21:47
m,p-Xylene	U		0.0015	0.0092	mg/Kg	1	07-Feb-2017 21:47
Methyl tert-butyl ether	U		0.00046	0.0046	mg/Kg	1	07-Feb-2017 21:47
Naphthalene	U		0.00074	0.0046	mg/Kg	1	07-Feb-2017 21:47
Toluene	U		0.00055	0.0046	mg/Kg	1	07-Feb-2017 21:47
Xylenes, Total	U		0.00092	0.0046	mg/Kg	1	07-Feb-2017 21:47
Surr: 1,2-Dichloroethane-d4	*95.4*			*70-128*	*%REC*	*1*	*07-Feb-2017 21:47*
Surr: 4-Bromofluorobenzene	*94.1*			*73-126*	*%REC*	*1*	*07-Feb-2017 21:47*
Surr: Dibromofluoromethane	*96.3*			*71-128*	*%REC*	*1*	*07-Feb-2017 21:47*
Surr: Toluene-d8	*105*			*73-127*	*%REC*	*1*	*07-Feb-2017 21:47*
LOW-LEVEL SEMIVOLATILES		**Method:SW8270**			Prep:SW3541 / 06-Feb-2017		Analyst: ACN
Anthracene	**0.0020**	J	**0.00050**	**0.0033**	**mg/Kg**	1	07-Feb-2017 20:08
Benz(a)anthracene	U		0.0016	0.0033	mg/Kg	1	07-Feb-2017 20:08
Benzo(a)pyrene	U		0.0010	0.0033	mg/Kg	1	07-Feb-2017 20:08
Benzo(b)fluoranthene	U		0.0012	0.0033	mg/Kg	1	07-Feb-2017 20:08
Benzo(g,h,i)perylene	U		0.00070	0.0033	mg/Kg	1	07-Feb-2017 20:08
Chrysene	U		0.00080	0.0033	mg/Kg	1	07-Feb-2017 20:08
Fluorene	U		0.0011	0.0033	mg/Kg	1	07-Feb-2017 20:08
Phenanthrene	**0.0024**	J	**0.0015**	**0.0033**	**mg/Kg**	1	07-Feb-2017 20:08
Pyrene	**0.0030**	J	**0.00060**	**0.0033**	**mg/Kg**	1	07-Feb-2017 20:08
Surr: 2,4,6-Tribromophenol	*101*			*36-126*	*%REC*	*1*	*07-Feb-2017 20:08*
Surr: 2-Fluorobiphenyl	*46.8*			*43-125*	*%REC*	*1*	*07-Feb-2017 20:08*
Surr: 2-Fluorophenol	*68.5*			*37-125*	*%REC*	*1*	*07-Feb-2017 20:08*
Surr: 4-Terphenyl-d14	*94.5*			*32-125*	*%REC*	*1*	*07-Feb-2017 20:08*
Surr: Nitrobenzene-d5	*92.8*			*37-125*	*%REC*	*1*	*07-Feb-2017 20:08*
Surr: Phenol-d6	*41.8*			*40-125*	*%REC*	*1*	*07-Feb-2017 20:08*
GLYCOLS AND ALCOHOLS BY SW8015C		**Method:SW8015**					Analyst: NPI
Diethylene Glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 22:06
Ethylene Glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 22:06
Propylene glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 22:06
Tetraethylene Glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 22:06
Triethylene glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 22:06

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

ANALYTICAL REPORT

Client: Stantec
Project: MHIC - 631/632
Sample ID: MHIC_AST_632_B-3'
Collection Date: 02-Feb-2017 13:15

WorkOrder:HS17020135
Lab ID:HS17020135-07
Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A		**Method:SW6020**			Prep:SW3050A / 07-Feb-2017		Analyst: JDE
Lead	**2.81**		**0.0466**	**0.466**	**mg/Kg**	1	08-Feb-2017 15:00
MOISTURE		**Method:SW3550**					Analyst: DFF
Percent Moisture	**29.7**		**0.0100**	**0.0100**	**wt%**	1	09-Feb-2017 10:22

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client:	Stantec	**ANALYTICAL REPORT**	
Project:	MHIC - 631/632	WorkOrder:HS17020135	
Sample ID:	MHIC_AST_632_C-3'	Lab ID:HS17020135-08	
Collection Date:	02-Feb-2017 13:35	Matrix:Soil	

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
1,2,4-Trimethylbenzene	U		0.00087	0.0044	mg/Kg	1	07-Feb-2017 22:11
1,2-Dibromoethane	U		0.00044	0.0044	mg/Kg	1	07-Feb-2017 22:11
1,2-Dichloroethane	U		0.00052	0.0044	mg/Kg	1	07-Feb-2017 22:11
1,3,5-Trimethylbenzene	U		0.00070	0.0044	mg/Kg	1	07-Feb-2017 22:11
Benzene	**0.0086**		**0.00044**	**0.0044**	**mg/Kg**	1	07-Feb-2017 22:11
Ethylbenzene	U		0.00061	0.0044	mg/Kg	1	07-Feb-2017 22:11
Isopropylbenzene	U		0.00078	0.0044	mg/Kg	1	07-Feb-2017 22:11
m,p-Xylene	**0.0023**	J	**0.0014**	**0.0087**	**mg/Kg**	1	07-Feb-2017 22:11
Methyl tert-butyl ether	U		0.00044	0.0044	mg/Kg	1	07-Feb-2017 22:11
Naphthalene	U		0.00070	0.0044	mg/Kg	1	07-Feb-2017 22:11
Toluene	**0.040**		**0.00052**	**0.0044**	**mg/Kg**	1	07-Feb-2017 22:11
Xylenes, Total	**0.0023**	J	**0.00087**	**0.0044**	**mg/Kg**	1	07-Feb-2017 22:11
Surr: 1,2-Dichloroethane-d4	*89.3*			*70-128*	*%REC*	*1*	*07-Feb-2017 22:11*
Surr: 4-Bromofluorobenzene	*93.9*			*73-126*	*%REC*	*1*	*07-Feb-2017 22:11*
Surr: Dibromofluoromethane	*90.9*			*71-128*	*%REC*	*1*	*07-Feb-2017 22:11*
Surr: Toluene-d8	*105*			*73-127*	*%REC*	*1*	*07-Feb-2017 22:11*
LOW-LEVEL SEMIVOLATILES		**Method:SW8270**			Prep:SW3541 / 06-Feb-2017		Analyst: ACN
Anthracene	U		0.00050	0.0033	mg/Kg	1	08-Feb-2017 20:31
Benz(a)anthracene	U		0.0016	0.0033	mg/Kg	1	08-Feb-2017 20:31
Benzo(a)pyrene	U		0.0010	0.0033	mg/Kg	1	08-Feb-2017 20:31
Benzo(b)fluoranthene	U		0.0012	0.0033	mg/Kg	1	08-Feb-2017 20:31
Benzo(g,h,i)perylene	U		0.00070	0.0033	mg/Kg	1	08-Feb-2017 20:31
Chrysene	U		0.00080	0.0033	mg/Kg	1	08-Feb-2017 20:31
Fluorene	U		0.0011	0.0033	mg/Kg	1	08-Feb-2017 20:31
Phenanthrene	U		0.0015	0.0033	mg/Kg	1	08-Feb-2017 20:31
Pyrene	**0.020**		**0.00060**	**0.0033**	**mg/Kg**	1	08-Feb-2017 20:31
Surr: 2,4,6-Tribromophenol	*98.8*			*36-126*	*%REC*	*1*	*08-Feb-2017 20:31*
Surr: 2-Fluorobiphenyl	*75.4*			*43-125*	*%REC*	*1*	*08-Feb-2017 20:31*
Surr: 2-Fluorophenol	*68.3*			*37-125*	*%REC*	*1*	*08-Feb-2017 20:31*
Surr: 4-Terphenyl-d14	*101*			*32-125*	*%REC*	*1*	*08-Feb-2017 20:31*
Surr: Nitrobenzene-d5	*72.9*			*37-125*	*%REC*	*1*	*08-Feb-2017 20:31*
Surr: Phenol-d6	*83.0*			*40-125*	*%REC*	*1*	*08-Feb-2017 20:31*
GLYCOLS AND ALCOHOLS BY SW8015C		**Method:SW8015**					Analyst: NPI
Diethylene Glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 22:37
Ethylene Glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 22:37
Propylene glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 22:37
Tetraethylene Glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 22:37
Triethylene glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 22:37

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

ANALYTICAL REPORT

Client: Stantec
Project: MHIC - 631/632
Sample ID: MHIC_AST_632_C-3'
Collection Date: 02-Feb-2017 13:35

WorkOrder:HS17020135
Lab ID:HS17020135-08
Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A		**Method:SW6020**			Prep:SW3050A / 07-Feb-2017		Analyst: JDE
Lead	**4.35**		**0.0467**	**0.467**	**mg/Kg**	1	08-Feb-2017 15:14
MOISTURE		**Method:SW3550**					Analyst: DFF
Percent Moisture	**17.7**		**0.0100**	**0.0100**	**wt%**	1	09-Feb-2017 10:22

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client:	Stantec	**ANALYTICAL REPORT**	
Project:	MHIC - 631/632	WorkOrder:HS17020135	
Sample ID:	MHIC_AST_632_D-3'	Lab ID:HS17020135-09	
Collection Date:	02-Feb-2017 14:15	Matrix:Soil	

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
1,2,4-Trimethylbenzene	**0.013**		**0.00080**	**0.0040**	**mg/Kg**	1	08-Feb-2017 05:54
1,2-Dibromoethane	U		0.00040	0.0040	mg/Kg	1	08-Feb-2017 05:54
1,2-Dichloroethane	U		0.00048	0.0040	mg/Kg	1	08-Feb-2017 05:54
1,3,5-Trimethylbenzene	**0.0016**	J	**0.00064**	**0.0040**	**mg/Kg**	1	08-Feb-2017 05:54
Benzene	**0.032**		**0.00040**	**0.0040**	**mg/Kg**	1	08-Feb-2017 05:54
Ethylbenzene	**0.0037**	J	**0.00056**	**0.0040**	**mg/Kg**	1	08-Feb-2017 05:54
Isopropylbenzene	**0.00089**	J	**0.00072**	**0.0040**	**mg/Kg**	1	08-Feb-2017 05:54
m,p-Xylene	**0.023**		**0.0013**	**0.0080**	**mg/Kg**	1	08-Feb-2017 05:54
Methyl tert-butyl ether	U		0.00040	0.0040	mg/Kg	1	08-Feb-2017 05:54
Naphthalene	**0.00090**	J	**0.00064**	**0.0040**	**mg/Kg**	1	08-Feb-2017 05:54
Toluene	**0.047**		**0.00048**	**0.0040**	**mg/Kg**	1	08-Feb-2017 05:54
Xylenes, Total	**0.029**		**0.00080**	**0.0040**	**mg/Kg**	1	08-Feb-2017 05:54
Surr: 1,2-Dichloroethane-d4	*95.5*			*70-128*	*%REC*	*1*	*08-Feb-2017 05:54*
Surr: 4-Bromofluorobenzene	*96.5*			*73-126*	*%REC*	*1*	*08-Feb-2017 05:54*
Surr: Dibromofluoromethane	*92.1*			*71-128*	*%REC*	*1*	*08-Feb-2017 05:54*
Surr: Toluene-d8	*108*			*73-127*	*%REC*	*1*	*08-Feb-2017 05:54*
LOW-LEVEL SEMIVOLATILES		**Method:SW8270**			Prep:SW3541 / 06-Feb-2017		Analyst: ACN
Anthracene	U		0.00050	0.0033	mg/Kg	1	08-Feb-2017 20:50
Benz(a)anthracene	U		0.0016	0.0033	mg/Kg	1	08-Feb-2017 20:50
Benzo(a)pyrene	U		0.0010	0.0033	mg/Kg	1	08-Feb-2017 20:50
Benzo(b)fluoranthene	U		0.0012	0.0033	mg/Kg	1	08-Feb-2017 20:50
Benzo(g,h,i)perylene	U		0.00070	0.0033	mg/Kg	1	08-Feb-2017 20:50
Chrysene	**0.0062**		**0.00080**	**0.0033**	**mg/Kg**	1	08-Feb-2017 20:50
Fluorene	U		0.0011	0.0033	mg/Kg	1	08-Feb-2017 20:50
Phenanthrene	U		0.0015	0.0033	mg/Kg	1	08-Feb-2017 20:50
Pyrene	U		0.00060	0.0033	mg/Kg	1	08-Feb-2017 20:50
Surr: 2,4,6-Tribromophenol	*93.1*			*36-126*	*%REC*	*1*	*08-Feb-2017 20:50*
Surr: 2-Fluorobiphenyl	*76.0*			*43-125*	*%REC*	*1*	*08-Feb-2017 20:50*
Surr: 2-Fluorophenol	*68.2*			*37-125*	*%REC*	*1*	*08-Feb-2017 20:50*
Surr: 4-Terphenyl-d14	*99.4*			*32-125*	*%REC*	*1*	*08-Feb-2017 20:50*
Surr: Nitrobenzene-d5	*73.1*			*37-125*	*%REC*	*1*	*08-Feb-2017 20:50*
Surr: Phenol-d6	*83.1*			*40-125*	*%REC*	*1*	*08-Feb-2017 20:50*
GLYCOLS AND ALCOHOLS BY SW8015C		**Method:SW8015**					Analyst: NPI
Diethylene Glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 23:09
Ethylene Glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 23:09
Propylene glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 23:09
Tetraethylene Glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 23:09
Triethylene glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 23:09

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

ANALYTICAL REPORT

Client: Stantec
Project: MHIC - 631/632
Sample ID: MHIC_AST_632_D-3'
Collection Date: 02-Feb-2017 14:15

WorkOrder:HS17020135
Lab ID:HS17020135-09
Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A		**Method:SW6020**			Prep:SW3050A / 07-Feb-2017		Analyst: JDE
Lead	**4.95**		**0.0466**	**0.466**	**mg/Kg**	1	08-Feb-2017 15:18
MOISTURE		**Method:SW3550**					Analyst: DFF
Percent Moisture	**13.3**		**0.0100**	**0.0100**	**wt%**	1	09-Feb-2017 10:22

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client:	Stantec	**ANALYTICAL REPORT**	
Project:	MHIC - 631/632	WorkOrder:HS17020135	
Sample ID:	MHIC_AST_632_E-3'	Lab ID:HS17020135-10	
Collection Date:	02-Feb-2017 14:35	Matrix:Soil	

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
1,2,4-Trimethylbenzene	**0.0027**	J	**0.00077**	**0.0038**	**mg/Kg**	1	08-Feb-2017 06:17
1,2-Dibromoethane	U		0.00038	0.0038	mg/Kg	1	08-Feb-2017 06:17
1,2-Dichloroethane	U		0.00046	0.0038	mg/Kg	1	08-Feb-2017 06:17
1,3,5-Trimethylbenzene	U		0.00062	0.0038	mg/Kg	1	08-Feb-2017 06:17
Benzene	**0.0055**		**0.00038**	**0.0038**	**mg/Kg**	1	08-Feb-2017 06:17
Ethylbenzene	**0.0014**	J	**0.00054**	**0.0038**	**mg/Kg**	1	08-Feb-2017 06:17
Isopropylbenzene	U		0.00069	0.0038	mg/Kg	1	08-Feb-2017 06:17
m,p-Xylene	**0.0053**	J	**0.0012**	**0.0077**	**mg/Kg**	1	08-Feb-2017 06:17
Methyl tert-butyl ether	U		0.00038	0.0038	mg/Kg	1	08-Feb-2017 06:17
Naphthalene	U		0.00062	0.0038	mg/Kg	1	08-Feb-2017 06:17
Toluene	**0.0034**	J	**0.00046**	**0.0038**	**mg/Kg**	1	08-Feb-2017 06:17
Xylenes, Total	**0.0068**		**0.00077**	**0.0038**	**mg/Kg**	1	08-Feb-2017 06:17
Surr: 1,2-Dichloroethane-d4	*92.8*			*70-128*	*%REC*	*1*	*08-Feb-2017 06:17*
Surr: 4-Bromofluorobenzene	*93.7*			*73-126*	*%REC*	*1*	*08-Feb-2017 06:17*
Surr: Dibromofluoromethane	*94.5*			*71-128*	*%REC*	*1*	*08-Feb-2017 06:17*
Surr: Toluene-d8	*106*			*73-127*	*%REC*	*1*	*08-Feb-2017 06:17*
LOW-LEVEL SEMIVOLATILES		**Method:SW8270**			Prep:SW3541 / 06-Feb-2017		Analyst: ACN
Anthracene	U		0.00050	0.0033	mg/Kg	1	08-Feb-2017 21:10
Benz(a)anthracene	U		0.0016	0.0033	mg/Kg	1	08-Feb-2017 21:10
Benzo(a)pyrene	U		0.0010	0.0033	mg/Kg	1	08-Feb-2017 21:10
Benzo(b)fluoranthene	U		0.0012	0.0033	mg/Kg	1	08-Feb-2017 21:10
Benzo(g,h,i)perylene	U		0.00070	0.0033	mg/Kg	1	08-Feb-2017 21:10
Chrysene	U		0.00080	0.0033	mg/Kg	1	08-Feb-2017 21:10
Fluorene	U		0.0011	0.0033	mg/Kg	1	08-Feb-2017 21:10
Phenanthrene	U		0.0015	0.0033	mg/Kg	1	08-Feb-2017 21:10
Pyrene	U		0.00060	0.0033	mg/Kg	1	08-Feb-2017 21:10
Surr: 2,4,6-Tribromophenol	*86.9*			*36-126*	*%REC*	*1*	*08-Feb-2017 21:10*
Surr: 2-Fluorobiphenyl	*82.6*			*43-125*	*%REC*	*1*	*08-Feb-2017 21:10*
Surr: 2-Fluorophenol	*90.9*			*37-125*	*%REC*	*1*	*08-Feb-2017 21:10*
Surr: 4-Terphenyl-d14	*97.4*			*32-125*	*%REC*	*1*	*08-Feb-2017 21:10*
Surr: Nitrobenzene-d5	*95.4*			*37-125*	*%REC*	*1*	*08-Feb-2017 21:10*
Surr: Phenol-d6	*93.9*			*40-125*	*%REC*	*1*	*08-Feb-2017 21:10*
GLYCOLS AND ALCOHOLS BY SW8015C		**Method:SW8015**					Analyst: NPI
Diethylene Glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 23:41
Ethylene Glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 23:41
Propylene glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 23:41
Tetraethylene Glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 23:41
Triethylene glycol	U		1.0	1.0	mg/Kg	1	09-Feb-2017 23:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client:	Stantec	**ANALYTICAL REPORT**
Project:	MHIC - 631/632	WorkOrder:HS17020135
Sample ID:	MHIC_AST_632_E-3'	Lab ID:HS17020135-10
Collection Date:	02-Feb-2017 14:35	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A		**Method:SW6020**			Prep:SW3050A / 07-Feb-2017		Analyst: JDE
Lead	**5.69**		**0.0475**	**0.475**	**mg/Kg**	1	08-Feb-2017 15:23
MOISTURE		**Method:SW3550**					Analyst: DFF
Percent Moisture	**21.6**		**0.0100**	**0.0100**	**wt%**	1	09-Feb-2017 10:22

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client:	Stantec	**ANALYTICAL REPORT**	
Project:	MHIC - 631/632	WorkOrder:HS17020135	
Sample ID:	MHIC_AST_632_PB-2'	Lab ID:HS17020135-11	
Collection Date:	02-Feb-2017 14:55	Matrix:Soil	

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
1,2,4-Trimethylbenzene	**0.27**	E	**0.0011**	**0.0054**	**mg/Kg**	1	08-Feb-2017 06:40
1,2-Dibromoethane	U		0.00054	0.0054	mg/Kg	1	08-Feb-2017 06:40
1,2-Dichloroethane	U		0.00064	0.0054	mg/Kg	1	08-Feb-2017 06:40
1,3,5-Trimethylbenzene	**0.049**		**0.00086**	**0.0054**	**mg/Kg**	1	08-Feb-2017 06:40
Benzene	**0.099**		**0.00054**	**0.0054**	**mg/Kg**	1	08-Feb-2017 06:40
Ethylbenzene	**0.096**		**0.00075**	**0.0054**	**mg/Kg**	1	08-Feb-2017 06:40
Isopropylbenzene	**0.0097**		**0.00096**	**0.0054**	**mg/Kg**	1	08-Feb-2017 06:40
m,p-Xylene	**0.36**	J	**0.065**	**0.40**	**mg/Kg**	50	09-Feb-2017 02:11
Methyl tert-butyl ether	U		0.00054	0.0054	mg/Kg	1	08-Feb-2017 06:40
Naphthalene	U		0.00086	0.0054	mg/Kg	1	08-Feb-2017 06:40
Toluene	**0.093**		**0.00064**	**0.0054**	**mg/Kg**	1	08-Feb-2017 06:40
Xylenes, Total	**0.48**		**0.040**	**0.20**	**mg/Kg**	50	09-Feb-2017 02:11
Surr: 1,2-Dichloroethane-d4	*94.7*			*70-128*	*%REC*	*1*	*08-Feb-2017 06:40*
Surr: 1,2-Dichloroethane-d4	*93.7*			*70-128*	*%REC*	*50*	*09-Feb-2017 02:11*
Surr: 4-Bromofluorobenzene	*97.0*			*73-126*	*%REC*	*1*	*08-Feb-2017 06:40*
Surr: 4-Bromofluorobenzene	*101*			*73-126*	*%REC*	*50*	*09-Feb-2017 02:11*
Surr: Dibromofluoromethane	*92.0*			*71-128*	*%REC*	*1*	*08-Feb-2017 06:40*
Surr: Dibromofluoromethane	*88.9*			*71-128*	*%REC*	*50*	*09-Feb-2017 02:11*
Surr: Toluene-d8	*111*			*73-127*	*%REC*	*1*	*08-Feb-2017 06:40*
Surr: Toluene-d8	*97.3*			*73-127*	*%REC*	*50*	*09-Feb-2017 02:11*
LOW-LEVEL SEMIVOLATILES		**Method:SW8270**			Prep:SW3541 / 06-Feb-2017		Analyst: ACN
Anthracene	U		0.00050	0.0033	mg/Kg	1	08-Feb-2017 21:29
Benz(a)anthracene	U		0.0016	0.0033	mg/Kg	1	08-Feb-2017 21:29
Benzo(a)pyrene	U		0.0010	0.0033	mg/Kg	1	08-Feb-2017 21:29
Benzo(b)fluoranthene	U		0.0012	0.0033	mg/Kg	1	08-Feb-2017 21:29
Benzo(g,h,i)perylene	U		0.00070	0.0033	mg/Kg	1	08-Feb-2017 21:29
Chrysene	U		0.00080	0.0033	mg/Kg	1	08-Feb-2017 21:29
Fluorene	U		0.0011	0.0033	mg/Kg	1	08-Feb-2017 21:29
Phenanthrene	U		0.0015	0.0033	mg/Kg	1	08-Feb-2017 21:29
Pyrene	U		0.00060	0.0033	mg/Kg	1	08-Feb-2017 21:29
Surr: 2,4,6-Tribromophenol	*96.7*			*36-126*	*%REC*	*1*	*08-Feb-2017 21:29*
Surr: 2-Fluorobiphenyl	*79.9*			*43-125*	*%REC*	*1*	*08-Feb-2017 21:29*
Surr: 2-Fluorophenol	*76.0*			*37-125*	*%REC*	*1*	*08-Feb-2017 21:29*
Surr: 4-Terphenyl-d14	*104*			*32-125*	*%REC*	*1*	*08-Feb-2017 21:29*
Surr: Nitrobenzene-d5	*87.3*			*37-125*	*%REC*	*1*	*08-Feb-2017 21:29*
Surr: Phenol-d6	*82.2*			*40-125*	*%REC*	*1*	*08-Feb-2017 21:29*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

ANALYTICAL REPORT

Client: Stantec
Project: MHIC - 631/632
Sample ID: MHIC_AST_632_PB-2'
Collection Date: 02-Feb-2017 14:55

WorkOrder:HS17020135
Lab ID:HS17020135-11
Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
GLYCOLS AND ALCOHOLS BY SW8015C		**Method:SW8015**					Analyst: NPI
Diethylene Glycol	U		1.0	1.0	mg/Kg	1	10-Feb-2017 00:13
Ethylene Glycol	U		1.0	1.0	mg/Kg	1	10-Feb-2017 00:13
Propylene glycol	U		1.0	1.0	mg/Kg	1	10-Feb-2017 00:13
Tetraethylene Glycol	U		1.0	1.0	mg/Kg	1	10-Feb-2017 00:13
Triethylene glycol	U		1.0	1.0	mg/Kg	1	10-Feb-2017 00:13
METALS BY SW6020A		**Method:SW6020**			Prep:SW3050A / 07-Feb-2017		Analyst: JDE
Lead	**4.32**		**0.0467**	**0.467**	**mg/Kg**	1	09-Feb-2017 17:23
MOISTURE		**Method:SW3550**					Analyst: DFF
Percent Moisture	**16.4**		**0.0100**	**0.0100**	**wt%**	1	09-Feb-2017 10:22

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client:	Stantec	**ANALYTICAL REPORT**	
Project:	MHIC - 631/632	WorkOrder:HS17020135	
Sample ID:	MHIC_AST_631_PB-2'	Lab ID:HS17020135-12	
Collection Date:	02-Feb-2017 15:25	Matrix:Soil	

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
1,2,4-Trimethylbenzene	**0.0033**	J	**0.00076**	**0.0038**	**mg/Kg**	1	08-Feb-2017 07:03
1,2-Dibromoethane	U		0.00038	0.0038	mg/Kg	1	08-Feb-2017 07:03
1,2-Dichloroethane	U		0.00046	0.0038	mg/Kg	1	08-Feb-2017 07:03
1,3,5-Trimethylbenzene	U		0.00061	0.0038	mg/Kg	1	08-Feb-2017 07:03
Benzene	**0.020**		**0.00038**	**0.0038**	**mg/Kg**	1	08-Feb-2017 07:03
Ethylbenzene	**0.00070**	J	**0.00053**	**0.0038**	**mg/Kg**	1	08-Feb-2017 07:03
Isopropylbenzene	U		0.00068	0.0038	mg/Kg	1	08-Feb-2017 07:03
m,p-Xylene	**0.0044**	J	**0.0012**	**0.0076**	**mg/Kg**	1	08-Feb-2017 07:03
Methyl tert-butyl ether	U		0.00038	0.0038	mg/Kg	1	08-Feb-2017 07:03
Naphthalene	U		0.00061	0.0038	mg/Kg	1	08-Feb-2017 07:03
Toluene	**0.0029**	J	**0.00046**	**0.0038**	**mg/Kg**	1	08-Feb-2017 07:03
Xylenes, Total	**0.0058**		**0.00076**	**0.0038**	**mg/Kg**	1	08-Feb-2017 07:03
Surr: 1,2-Dichloroethane-d4	*95.8*			*70-128*	*%REC*	*1*	*08-Feb-2017 07:03*
Surr: 4-Bromofluorobenzene	*95.0*			*73-126*	*%REC*	*1*	*08-Feb-2017 07:03*
Surr: Dibromofluoromethane	*93.0*			*71-128*	*%REC*	*1*	*08-Feb-2017 07:03*
Surr: Toluene-d8	*105*			*73-127*	*%REC*	*1*	*08-Feb-2017 07:03*
LOW-LEVEL SEMIVOLATILES		**Method:SW8270**			Prep:SW3541 / 06-Feb-2017		Analyst: ACN
Anthracene	**0.0028**	J	**0.00050**	**0.0033**	**mg/Kg**	1	08-Feb-2017 21:48
Benz(a)anthracene	U		0.0016	0.0033	mg/Kg	1	08-Feb-2017 21:48
Benzo(a)pyrene	**0.0023**	J	**0.0010**	**0.0033**	**mg/Kg**	1	08-Feb-2017 21:48
Benzo(b)fluoranthene	**0.0020**	J	**0.0012**	**0.0033**	**mg/Kg**	1	08-Feb-2017 21:48
Benzo(g,h,i)perylene	U		0.00070	0.0033	mg/Kg	1	08-Feb-2017 21:48
Chrysene	U		0.00080	0.0033	mg/Kg	1	08-Feb-2017 21:48
Fluorene	**0.012**		**0.0011**	**0.0033**	**mg/Kg**	1	08-Feb-2017 21:48
Phenanthrene	**0.013**		**0.0015**	**0.0033**	**mg/Kg**	1	08-Feb-2017 21:48
Pyrene	**0.0069**		**0.00060**	**0.0033**	**mg/Kg**	1	08-Feb-2017 21:48
Surr: 2,4,6-Tribromophenol	*95.0*			*36-126*	*%REC*	*1*	*08-Feb-2017 21:48*
Surr: 2-Fluorobiphenyl	*75.2*			*43-125*	*%REC*	*1*	*08-Feb-2017 21:48*
Surr: 2-Fluorophenol	*71.7*			*37-125*	*%REC*	*1*	*08-Feb-2017 21:48*
Surr: 4-Terphenyl-d14	*106*			*32-125*	*%REC*	*1*	*08-Feb-2017 21:48*
Surr: Nitrobenzene-d5	*80.4*			*37-125*	*%REC*	*1*	*08-Feb-2017 21:48*
Surr: Phenol-d6	*80.3*			*40-125*	*%REC*	*1*	*08-Feb-2017 21:48*
GLYCOLS AND ALCOHOLS BY SW8015C		**Method:SW8015**					Analyst: NPI
Diethylene Glycol	U		1.0	1.0	mg/Kg	1	10-Feb-2017 00:44
Ethylene Glycol	U		1.0	1.0	mg/Kg	1	10-Feb-2017 00:44
Propylene glycol	U		1.0	1.0	mg/Kg	1	10-Feb-2017 00:44
Tetraethylene Glycol	U		1.0	1.0	mg/Kg	1	10-Feb-2017 00:44
Triethylene glycol	U		1.0	1.0	mg/Kg	1	10-Feb-2017 00:44

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client:	Stantec	**ANALYTICAL REPORT**
Project:	MHIC - 631/632	WorkOrder:HS17020135
Sample ID:	MHIC_AST_631_PB-2'	Lab ID:HS17020135-12
Collection Date:	02-Feb-2017 15:25	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A		**Method:SW6020**			Prep:SW3050A / 07-Feb-2017		Analyst: JDE
Lead	**3.86**		**0.0461**	**0.461**	**mg/Kg**	1	08-Feb-2017 15:32
MOISTURE		**Method:SW3550**					Analyst: DFF
Percent Moisture	**11.4**		**0.0100**	**0.0100**	**wt%**	1	09-Feb-2017 10:22

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

WEIGHT LOG

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

Batch ID: 1517 **Method:** VOLATILES BY SW8260C

SampID	Container	Sample Wt/Vol	Final Volume	Weight Factor	Container Type
HS17020135-01	1	6.152 (g)	5 (mL)	0.81	TerraCore (5035A)
HS17020135-02	1	5.299 (g)	5 (mL)	0.94	TerraCore (5035A)
HS17020135-03	1	5.728 (g)	5 (mL)	0.87	TerraCore (5035A)
HS17020135-04	1	5.433 (g)	5 (mL)	0.92	TerraCore (5035A)
HS17020135-05	1	5.27 (g)	5 (mL)	0.95	TerraCore (5035A)
HS17020135-06	1	5.238 (g)	5 (mL)	0.95	TerraCore (5035A)
HS17020135-07	1	5.435 (g)	5 (mL)	0.92	TerraCore (5035A)
HS17020135-08	1	5.757 (g)	5 (mL)	0.87	TerraCore (5035A)
HS17020135-09	1	6.288 (g)	5 (mL)	0.8	TerraCore (5035A)
HS17020135-10	1	6.521 (g)	5 (mL)	0.77	TerraCore (5035A)
HS17020135-11	1	4.694 (g)	5 (mL)	1.07	TerraCore (5035A)
HS17020135-11	3	6.19699999999999 (g)	5 (mL)	0.81	TerraCore (5035A)
HS17020135-12	1	6.583 (g)	5 (mL)	0.76	TerraCore (5035A)

Batch ID: 112041 **Method:** LOW-LEVEL SEMIVOLATILES **Prep:** 3541_B_LOW

SampID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS17020135-01	1	30.02	1 (mL)	0.03331
HS17020135-02	1	30.09	1 (mL)	0.03323
HS17020135-03	1	30.03	1 (mL)	0.0333
HS17020135-04	1	30.07	1 (mL)	0.03326
HS17020135-05	1	30.08	1 (mL)	0.03324
HS17020135-06	1	30.04	1 (mL)	0.03329

Batch ID: 112082 **Method:** LOW-LEVEL SEMIVOLATILES **Prep:** 3541_B_LOW

SampID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS17020135-07	1	30.02	1 (mL)	0.03331
HS17020135-08	1	30.06	1 (mL)	0.03327
HS17020135-09	1	30.03	1 (mL)	0.0333
HS17020135-10	1	30.08	1 (mL)	0.03324
HS17020135-11	1	30.07	1 (mL)	0.03326
HS17020135-12	1	30.02	1 (mL)	0.03331

Batch ID: 112127 **Method:** METALS BY SW6020A **Prep:** 3050_I_LOW

SampID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS17020135-01	1	0.5205	50 (mL)	96.06
HS17020135-02	1	0.5402	50 (mL)	92.56
HS17020135-03	1	0.5408	50 (mL)	92.46
HS17020135-04	1	0.5238	50 (mL)	95.46
HS17020135-05	1	0.5483	50 (mL)	91.19
HS17020135-06	1	0.5289	50 (mL)	94.54
HS17020135-07	1	0.5362	50 (mL)	93.25
HS17020135-08	1	0.5354	50 (mL)	93.39
HS17020135-09	1	0.5369	50 (mL)	93.13
HS17020135-10	1	0.5268	50 (mL)	94.91
HS17020135-11	1	0.5355	50 (mL)	93.37
HS17020135-12	1	0.5419	50 (mL)	92.27

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID 112041	**Test Name :** LOW-LEVEL SEMIVOLATILES			**Matrix:** Soil		
HS17020135-01	MHIC_AST_631_A-3'	02 Feb 2017 08:25		03 Feb 2017 11:43	06 Feb 2017 21:08	1
HS17020135-02	MHIC_AST_631_B-3'	02 Feb 2017 08:45		03 Feb 2017 11:43	06 Feb 2017 21:27	1
HS17020135-03	MHIC_AST_631_C-3'	02 Feb 2017 09:00		03 Feb 2017 11:43	06 Feb 2017 21:46	1
HS17020135-04	MHIC_AST_631_D-3'	02 Feb 2017 10:05		03 Feb 2017 11:43	06 Feb 2017 22:05	1
HS17020135-05	MHIC_AST_631_E-3'	02 Feb 2017 10:55		03 Feb 2017 11:43	06 Feb 2017 22:24	1
HS17020135-06	MHIC_AST_632_A-3'	02 Feb 2017 11:35		03 Feb 2017 11:43	06 Feb 2017 22:44	1
Batch ID 112082	**Test Name :** LOW-LEVEL SEMIVOLATILES			**Matrix:** Soil		
HS17020135-07	MHIC_AST_632_B-3'	02 Feb 2017 13:15		06 Feb 2017 13:11	07 Feb 2017 20:08	1
HS17020135-08	MHIC_AST_632_C-3'	02 Feb 2017 13:35		06 Feb 2017 13:11	08 Feb 2017 20:31	1
HS17020135-09	MHIC_AST_632_D-3'	02 Feb 2017 14:15		06 Feb 2017 13:11	08 Feb 2017 20:50	1
HS17020135-10	MHIC_AST_632_E-3'	02 Feb 2017 14:35		06 Feb 2017 13:11	08 Feb 2017 21:10	1
HS17020135-11	MHIC_AST_632_PB-2'	02 Feb 2017 14:55		06 Feb 2017 13:11	08 Feb 2017 21:29	1
HS17020135-12	MHIC_AST_631_PB-2'	02 Feb 2017 15:25		06 Feb 2017 13:11	08 Feb 2017 21:48	1
Batch ID 112127	**Test Name :** METALS BY SW6020A			**Matrix:** Soil		
HS17020135-01	MHIC_AST_631_A-3'	02 Feb 2017 08:25		07 Feb 2017 15:30	08 Feb 2017 14:34	1
HS17020135-02	MHIC_AST_631_B-3'	02 Feb 2017 08:45		07 Feb 2017 15:30	08 Feb 2017 14:38	1
HS17020135-03	MHIC_AST_631_C-3'	02 Feb 2017 09:00		07 Feb 2017 15:30	08 Feb 2017 14:43	1
HS17020135-04	MHIC_AST_631_D-3'	02 Feb 2017 10:05		07 Feb 2017 15:30	08 Feb 2017 14:47	1
HS17020135-05	MHIC_AST_631_E-3'	02 Feb 2017 10:55		07 Feb 2017 15:30	08 Feb 2017 14:52	1
HS17020135-06	MHIC_AST_632_A-3'	02 Feb 2017 11:35		07 Feb 2017 15:30	08 Feb 2017 14:56	1
HS17020135-07	MHIC_AST_632_B-3'	02 Feb 2017 13:15		07 Feb 2017 15:30	08 Feb 2017 15:00	1
HS17020135-08	MHIC_AST_632_C-3'	02 Feb 2017 13:35		07 Feb 2017 15:30	08 Feb 2017 15:14	1
HS17020135-09	MHIC_AST_632_D-3'	02 Feb 2017 14:15		07 Feb 2017 15:30	08 Feb 2017 15:18	1
HS17020135-10	MHIC_AST_632_E-3'	02 Feb 2017 14:35		07 Feb 2017 15:30	08 Feb 2017 15:23	1
HS17020135-11	MHIC_AST_632_PB-2'	02 Feb 2017 14:55		07 Feb 2017 15:30	09 Feb 2017 17:23	1
HS17020135-12	MHIC_AST_631_PB-2'	02 Feb 2017 15:25		07 Feb 2017 15:30	08 Feb 2017 15:32	1
Batch ID R289136	**Test Name :** VOLATILES BY SW8260C			**Matrix:** Soil		
HS17020135-01	MHIC_AST_631_A-3'	02 Feb 2017 08:25			07 Feb 2017 19:51	1
HS17020135-02	MHIC_AST_631_B-3'	02 Feb 2017 08:45			07 Feb 2017 20:15	1
HS17020135-04	MHIC_AST_631_D-3'	02 Feb 2017 10:05			07 Feb 2017 20:38	1
HS17020135-05	MHIC_AST_631_E-3'	02 Feb 2017 10:55			07 Feb 2017 21:01	1
HS17020135-06	MHIC_AST_632_A-3'	02 Feb 2017 11:35			07 Feb 2017 21:24	1
HS17020135-07	MHIC_AST_632_B-3'	02 Feb 2017 13:15			07 Feb 2017 21:47	1
HS17020135-08	MHIC_AST_632_C-3'	02 Feb 2017 13:35			07 Feb 2017 22:11	1

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID R289164	**Test Name :** VOLATILES BY SW8260C			**Matrix:** Soil		
HS17020135-03	MHIC_AST_631_C-3'	02 Feb 2017 09:00			08 Feb 2017 08:12	1
HS17020135-09	MHIC_AST_632_D-3'	02 Feb 2017 14:15			08 Feb 2017 05:54	1
HS17020135-10	MHIC_AST_632_E-3'	02 Feb 2017 14:35			08 Feb 2017 06:17	1
HS17020135-11	MHIC_AST_632_PB-2'	02 Feb 2017 14:55			08 Feb 2017 06:40	1
HS17020135-12	MHIC_AST_631_PB-2'	02 Feb 2017 15:25			08 Feb 2017 07:03	1
Batch ID R289256	**Test Name :** VOLATILES BY SW8260C			**Matrix:** Soil		
HS17020135-11	MHIC_AST_632_PB-2'	02 Feb 2017 14:55			09 Feb 2017 02:11	50
Batch ID R289297	**Test Name :** MOISTURE			**Matrix:** Soil		
HS17020135-01	MHIC_AST_631_A-3'	02 Feb 2017 08:25			09 Feb 2017 10:03	1
Batch ID R289299	**Test Name :** MOISTURE			**Matrix:** Soil		
HS17020135-02	MHIC_AST_631_B-3'	02 Feb 2017 08:45			09 Feb 2017 10:22	1
HS17020135-03	MHIC_AST_631_C-3'	02 Feb 2017 09:00			09 Feb 2017 10:22	1
HS17020135-04	MHIC_AST_631_D-3'	02 Feb 2017 10:05			09 Feb 2017 10:22	1
HS17020135-05	MHIC_AST_631_E-3'	02 Feb 2017 10:55			09 Feb 2017 10:22	1
HS17020135-06	MHIC_AST_632_A-3'	02 Feb 2017 11:35			09 Feb 2017 10:22	1
HS17020135-07	MHIC_AST_632_B-3'	02 Feb 2017 13:15			09 Feb 2017 10:22	1
HS17020135-08	MHIC_AST_632_C-3'	02 Feb 2017 13:35			09 Feb 2017 10:22	1
HS17020135-09	MHIC_AST_632_D-3'	02 Feb 2017 14:15			09 Feb 2017 10:22	1
HS17020135-10	MHIC_AST_632_E-3'	02 Feb 2017 14:35			09 Feb 2017 10:22	1
HS17020135-11	MHIC_AST_632_PB-2'	02 Feb 2017 14:55			09 Feb 2017 10:22	1
HS17020135-12	MHIC_AST_631_PB-2'	02 Feb 2017 15:25			09 Feb 2017 10:22	1
Batch ID R289377	**Test Name :** GLYCOLS AND ALCOHOLS BY SW8015C			**Matrix:** Soil		
HS17020135-01	MHIC_AST_631_A-3'	02 Feb 2017 08:25			09 Feb 2017 17:23	1
HS17020135-02	MHIC_AST_631_B-3'	02 Feb 2017 08:45			09 Feb 2017 18:56	1
HS17020135-03	MHIC_AST_631_C-3'	02 Feb 2017 09:00			09 Feb 2017 19:28	1
HS17020135-04	MHIC_AST_631_D-3'	02 Feb 2017 10:05			09 Feb 2017 20:00	1
HS17020135-05	MHIC_AST_631_E-3'	02 Feb 2017 10:55			09 Feb 2017 21:04	1
HS17020135-06	MHIC_AST_632_A-3'	02 Feb 2017 11:35			09 Feb 2017 21:36	1
HS17020135-07	MHIC_AST_632_B-3'	02 Feb 2017 13:15			09 Feb 2017 22:06	1
HS17020135-08	MHIC_AST_632_C-3'	02 Feb 2017 13:35			09 Feb 2017 22:37	1
HS17020135-09	MHIC_AST_632_D-3'	02 Feb 2017 14:15			09 Feb 2017 23:09	1
HS17020135-10	MHIC_AST_632_E-3'	02 Feb 2017 14:35			09 Feb 2017 23:41	1
HS17020135-11	MHIC_AST_632_PB-2'	02 Feb 2017 14:55			10 Feb 2017 00:13	1
HS17020135-12	MHIC_AST_631_PB-2'	02 Feb 2017 15:25			10 Feb 2017 00:44	1

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: **R289377** **Instrument:** **FID-1** **Method:** **SW8015**

MBLK Sample ID: **MBLK-170209** Units: **mg/Kg** Analysis Date: **09-Feb-2017 14:44**
Client ID: Run ID: **FID-1_289377** SeqNo: **3984066** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Diethylene Glycol	U	1.0								
Ethylene Glycol	U	1.0								
Propylene glycol	U	1.0								
Tetraethylene Glycol	U	1.0								
Triethylene glycol	U	1.0								

LCS Sample ID: **LCS-170209** Units: **mg/Kg** Analysis Date: **09-Feb-2017 15:15**
Client ID: Run ID: **FID-1_289377** SeqNo: **3984067** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Diethylene Glycol	20.75	1.0	25	0	83.0	70 - 130				
Ethylene Glycol	28.02	1.0	25	0	112	70 - 130				
Propylene glycol	21.88	1.0	25	0	87.5	70 - 130				
Tetraethylene Glycol	25.79	1.0	25	0	103	70 - 130				
Triethylene glycol	21.78	1.0	25	0	87.1	70 - 130				

LCSD Sample ID: **LCSD-170209** Units: **mg/Kg** Analysis Date: **09-Feb-2017 15:47**
Client ID: Run ID: **FID-1_289377** SeqNo: **3984068** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Diethylene Glycol	22.03	1.0	25	0	88.1	70 - 130	20.75	5.97	30	
Ethylene Glycol	21.55	1.0	25	0	86.2	70 - 130	28.02	26.1	30	
Propylene glycol	23.47	1.0	25	0	93.9	70 - 130	21.88	7	30	
Tetraethylene Glycol	21.69	1.0	25	0	86.8	70 - 130	25.79	17.3	30	
Triethylene glycol	21.19	1.0	25	0	84.8	70 - 130	21.78	2.73	30	

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: **R289377** **Instrument:** **FID-1** **Method:** **SW8015**

MS Sample ID: **HS17020135-01MS** Units: **mg/Kg** Analysis Date: **09-Feb-2017 17:54**
Client ID: **MHIC_AST_631_A-3'** Run ID: **FID-1_289377** SeqNo: **3984072** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Diethylene Glycol	14.53	1.0	25	0	58.1	70 - 130				S
Ethylene Glycol	29.15	1.0	25	0	117	70 - 130				
Propylene glycol	15.01	1.0	25	0	60.1	70 - 130				S
Tetraethylene Glycol	7.417	1.0	25	0	29.7	70 - 130				S
Triethylene glycol	10.21	1.0	25	0	40.8	70 - 130				S

MSD Sample ID: **HS17020135-01MSD** Units: **mg/Kg** Analysis Date: **09-Feb-2017 18:25**
Client ID: **MHIC_AST_631_A-3'** Run ID: **FID-1_289377** SeqNo: **3984073** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Diethylene Glycol	14.68	1.0	25	0	58.7	70 - 130	14.53	1.02	30	S
Ethylene Glycol	21.15	1.0	25	0	84.6	70 - 130	29.15	31.8	30	R
Propylene glycol	8.963	1.0	25	0	35.9	70 - 130	15.01	50.5	30	SR
Tetraethylene Glycol	17.35	1.0	25	0	69.4	70 - 130	7.417	80.2	30	SR
Triethylene glycol	11.73	1.0	25	0	46.9	70 - 130	10.21	13.9	30	S

The following samples were analyzed in this batch:

HS17020135-01	HS17020135-02	HS17020135-03	HS17020135-04
HS17020135-05	HS17020135-06	HS17020135-07	HS17020135-08
HS17020135-09	HS17020135-10	HS17020135-11	HS17020135-12

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: 112127 **Instrument: ICPMS04** **Method: SW6020**

MBLK Sample ID: **MBLK-112127** Units: **mg/Kg** Analysis Date: **08-Feb-2017 14:25**
Client ID: Run ID: **ICPMS04_289187** SeqNo: **3980938** PrepDate: **07-Feb-2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	U	0.500								

LCS Sample ID: **LCS-112127** Units: **mg/Kg** Analysis Date: **08-Feb-2017 14:29**
Client ID: Run ID: **ICPMS04_289187** SeqNo: **3980939** PrepDate: **07-Feb-2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	9.291	0.500	10	0	92.9	80 - 120				

MS Sample ID: **HS17020174-06MS** Units: **mg/Kg** Analysis Date: **08-Feb-2017 15:45**
Client ID: Run ID: **ICPMS04_289187** SeqNo: **3981360** PrepDate: **07-Feb-2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	15.32	0.478	9.557	6.155	95.9	75 - 125				

MSD Sample ID: **HS17020174-06MSD** Units: **mg/Kg** Analysis Date: **08-Feb-2017 15:50**
Client ID: Run ID: **ICPMS04_289187** SeqNo: **3981361** PrepDate: **07-Feb-2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	16.52	0.476	9.526	6.155	109	75 - 125	15.32	7.55	20	

PDS Sample ID: **HS17020174-06PDS** Units: **mg/Kg** Analysis Date: **08-Feb-2017 15:54**
Client ID: Run ID: **ICPMS04_289187** SeqNo: **3981362** PrepDate: **07-Feb-2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	14.34	0.475	9.504	6.155	86.1	75 - 125				

SD Sample ID: **HS17020174-06SD** Units: **mg/Kg** Analysis Date: **08-Feb-2017 15:41**
Client ID: Run ID: **ICPMS04_289187** SeqNo: **3981359** PrepDate: **07-Feb-2017** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Lead	6.456	2.38					6.155	4.89	10	

The following samples were analyzed in this batch:

HS17020135-01	HS17020135-02	HS17020135-03	HS17020135-04
HS17020135-05	HS17020135-06	HS17020135-07	HS17020135-08
HS17020135-09	HS17020135-10	HS17020135-11	HS17020135-12

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: 112041 **Instrument: SV-7** **Method: SW8270**

MBLK Sample ID: **MBLK-112041** Units: **ug/Kg** Analysis Date: **06-Feb-2017 13:33**
Client ID: Run ID: **SV-7_289092** SeqNo: **3978432** PrepDate: **03-Feb-2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Anthracene	U	3.3								
Benz(a)anthracene	U	3.3								
Benzo(a)pyrene	U	3.3								
Benzo(b)fluoranthene	U	3.3								
Benzo(g,h,i)perylene	U	3.3								
Chrysene	U	3.3								
Fluorene	U	3.3								
Phenanthrene	U	3.3								
Pyrene	U	3.3								
Surr: 2,4,6-Tribromophenol	*160.1*	*0*	*167*	*0*	*95.9*	*36 - 126*				
Surr: 2-Fluorobiphenyl	*163.6*	*0*	*167*	*0*	*98.0*	*43 - 125*				
Surr: 2-Fluorophenol	*160.9*	*0*	*167*	*0*	*96.4*	*37 - 125*				
Surr: 4-Terphenyl-d14	*155.7*	*0*	*167*	*0*	*93.2*	*32 - 125*				
Surr: Nitrobenzene-d5	*174.1*	*0*	*167*	*0*	*104*	*37 - 125*				
Surr: Phenol-d6	*167.4*	*0*	*167*	*0*	*100*	*40 - 125*				

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: 112041 **Instrument: SV-7** **Method: SW8270**

LCS Sample ID: **LCS-112041** Units: **ug/Kg** Analysis Date: **06-Feb-2017 13:53**
Client ID: Run ID: **SV-7_289092** SeqNo: **3978433** PrepDate: **03-Feb-2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Anthracene	156.8	3.3	167	0	93.9	50 - 123				
Benz(a)anthracene	154.6	3.3	167	0	92.6	50 - 131				
Benzo(a)pyrene	153	3.3	167	0	91.6	50 - 130				
Benzo(b)fluoranthene	169.2	3.3	167	0	101	50 - 137				
Benzo(g,h,i)perylene	167.9	3.3	167	0	101	50 - 130				
Chrysene	157.2	3.3	167	0	94.1	50 - 130				
Fluorene	164	3.3	167	0	98.2	50 - 125				
Phenanthrene	145.7	3.3	167	0	87.2	50 - 125				
Pyrene	150.3	3.3	167	0	90.0	45 - 130				
Surr: 2,4,6-Tribromophenol	*188.5*	*0*	*167*	*0*	*113*	*36 - 126*				
Surr: 2-Fluorobiphenyl	*168.5*	*0*	*167*	*0*	*101*	*43 - 125*				
Surr: 2-Fluorophenol	*149.4*	*0*	*167*	*0*	*89.5*	*37 - 125*				
Surr: 4-Terphenyl-d14	*166.9*	*0*	*167*	*0*	*100.0*	*32 - 125*				
Surr: Nitrobenzene-d5	*166.4*	*0*	*167*	*0*	*99.7*	*37 - 125*				
Surr: Phenol-d6	*163.2*	*0*	*167*	*0*	*97.7*	*40 - 125*				

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: 112041 **Instrument: SV-7** **Method: SW8270**

MS Sample ID: **HS17020081-02MS** Units: **ug/Kg** Analysis Date: **06-Feb-2017 16:00**
Client ID: Run ID: **SV-7_289092** SeqNo: **3978440** PrepDate: **03-Feb-2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Anthracene	154	3.3	166.8	0	92.4	50 - 123				
Benz(a)anthracene	158.5	3.3	166.8	0	95.1	50 - 131				
Benzo(a)pyrene	153.4	3.3	166.8	0	92.0	50 - 130				
Benzo(b)fluoranthene	179.8	3.3	166.8	0	108	50 - 137				
Benzo(g,h,i)perylene	170.3	3.3	166.8	0	102	50 - 130				
Chrysene	157.5	3.3	166.8	0	94.5	50 - 130				
Fluorene	164.9	3.3	166.8	0	98.9	50 - 125				
Phenanthrene	143.4	3.3	166.8	0	86.0	50 - 125				
Pyrene	150	3.3	166.8	0	89.9	45 - 130				
Surr: 2,4,6-Tribromophenol	*180.3*	*0*	*166.8*	*0*	*108*	*36 - 126*				
Surr: 2-Fluorobiphenyl	*163.2*	*0*	*166.8*	*0*	*97.9*	*43 - 125*				
Surr: 2-Fluorophenol	*144.1*	*0*	*166.8*	*0*	*86.4*	*37 - 125*				
Surr: 4-Terphenyl-d14	*161.5*	*0*	*166.8*	*0*	*96.8*	*32 - 125*				
Surr: Nitrobenzene-d5	*162.5*	*0*	*166.8*	*0*	*97.5*	*37 - 125*				
Surr: Phenol-d6	*156.1*	*0*	*166.8*	*0*	*93.6*	*40 - 125*				

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: 112041 **Instrument: SV-7** **Method: SW8270**

MSD Sample ID: **HS17020081-02MSD** Units: **ug/Kg** Analysis Date: **06-Feb-2017 16:19**
Client ID: Run ID: **SV-7_289092** SeqNo: **3978441** PrepDate: **03-Feb-2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Anthracene	148.4	3.3	166.7	0	89.0	50 - 123	154	3.76	30	
Benz(a)anthracene	159.4	3.3	166.7	0	95.6	50 - 131	158.5	0.559	30	
Benzo(a)pyrene	150.3	3.3	166.7	0	90.2	50 - 130	153.4	2	30	
Benzo(b)fluoranthene	223.5	3.3	166.7	0	134	50 - 137	179.8	21.7	30	
Benzo(g,h,i)perylene	169.1	3.3	166.7	0	101	50 - 130	170.3	0.716	30	
Chrysene	147.2	3.3	166.7	0	88.3	50 - 130	157.5	6.74	30	
Fluorene	158.8	3.3	166.7	0	95.3	50 - 125	164.9	3.73	30	
Phenanthrene	135.4	3.3	166.7	0	81.3	50 - 125	143.4	5.73	30	
Pyrene	139.1	3.3	166.7	0	83.5	45 - 130	150	7.51	30	
Surr: 2,4,6-Tribromophenol	*184.8*	*0*	*166.7*	*0*	*111*	*36 - 126*	*180.3*	*2.44*	*30*	
Surr: 2-Fluorobiphenyl	*153*	*0*	*166.7*	*0*	*91.8*	*43 - 125*	*163.2*	*6.48*	*30*	
Surr: 2-Fluorophenol	*134.5*	*0*	*166.7*	*0*	*80.7*	*37 - 125*	*144.1*	*6.87*	*30*	
Surr: 4-Terphenyl-d14	*153*	*0*	*166.7*	*0*	*91.8*	*32 - 125*	*161.5*	*5.36*	*30*	
Surr: Nitrobenzene-d5	*153.5*	*0*	*166.7*	*0*	*92.1*	*37 - 125*	*162.5*	*5.74*	*30*	
Surr: Phenol-d6	*145.5*	*0*	*166.7*	*0*	*87.3*	*40 - 125*	*156.1*	*7.03*	*30*	

The following samples were analyzed in this batch: HS17020135-01 HS17020135-02 HS17020135-03 HS17020135-04 HS17020135-05 HS17020135-06

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: 112082 **Instrument: SV-7** **Method: SW8270**

MBLK Sample ID: **MBLK-112082** Units: **ug/Kg** Analysis Date: **07-Feb-2017 11:27**
Client ID: Run ID: **SV-7_289158** SeqNo: **3979738** PrepDate: **06-Feb-2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Anthracene	U	3.3								
Benz(a)anthracene	U	3.3								
Benzo(a)pyrene	U	3.3								
Benzo(b)fluoranthene	U	3.3								
Benzo(g,h,i)perylene	U	3.3								
Chrysene	U	3.3								
Fluorene	U	3.3								
Phenanthrene	U	3.3								
Pyrene	U	3.3								
Surr: 2,4,6-Tribromophenol	*174.9*	*0*	*167*	*0*	*105*	*36 - 126*				
Surr: 2-Fluorobiphenyl	*160.6*	*0*	*167*	*0*	*96.2*	*43 - 125*				
Surr: 2-Fluorophenol	*166.5*	*0*	*167*	*0*	*99.7*	*37 - 125*				
Surr: 4-Terphenyl-d14	*163.9*	*0*	*167*	*0*	*98.1*	*32 - 125*				
Surr: Nitrobenzene-d5	*193.9*	*0*	*167*	*0*	*116*	*37 - 125*				
Surr: Phenol-d6	*180.8*	*0*	*167*	*0*	*108*	*40 - 125*				

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: 112082 **Instrument: SV-7** **Method: SW8270**

LCS Sample ID: **LCS-112082** Units: **ug/Kg** Analysis Date: **07-Feb-2017 11:46**
Client ID: Run ID: **SV-7_289158** SeqNo: **3979739** PrepDate: **06-Feb-2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Anthracene	152.8	3.3	167	0	91.5	50 - 123				
Benz(a)anthracene	160	3.3	167	0	95.8	50 - 131				
Benzo(a)pyrene	147	3.3	167	0	88.0	50 - 130				
Benzo(b)fluoranthene	187	3.3	167	0	112	50 - 137				
Benzo(g,h,i)perylene	163.6	3.3	167	0	98.0	50 - 130				
Chrysene	144.6	3.3	167	0	86.6	50 - 130				
Fluorene	155.6	3.3	167	0	93.2	50 - 125				
Phenanthrene	144.5	3.3	167	0	86.5	50 - 125				
Pyrene	138.6	3.3	167	0	83.0	45 - 130				
Surr: 2,4,6-Tribromophenol	*178.9*	*0*	*167*	*0*	*107*	*36 - 126*				
Surr: 2-Fluorobiphenyl	*155.5*	*0*	*167*	*0*	*93.1*	*43 - 125*				
Surr: 2-Fluorophenol	*170.2*	*0*	*167*	*0*	*102*	*37 - 125*				
Surr: 4-Terphenyl-d14	*153.3*	*0*	*167*	*0*	*91.8*	*32 - 125*				
Surr: Nitrobenzene-d5	*180.2*	*0*	*167*	*0*	*108*	*37 - 125*				
Surr: Phenol-d6	*176.1*	*0*	*167*	*0*	*105*	*40 - 125*				

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: 112082 **Instrument: SV-7** **Method: SW8270**

MS Sample ID: **HS17020151-11MS** Units: **ug/Kg** Analysis Date: **07-Feb-2017 13:03**
Client ID: Run ID: **SV-7_289158** SeqNo: **3979741** PrepDate: **06-Feb-2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Anthracene	151.8	3.3	166.9	0	90.9	50 - 123				
Benz(a)anthracene	152.3	3.3	166.9	0	91.2	50 - 131				
Benzo(a)pyrene	169.6	3.3	166.9	0	102	50 - 130				
Benzo(b)fluoranthene	201.5	3.3	166.9	0	121	50 - 137				
Benzo(g,h,i)perylene	191	3.3	166.9	0	114	50 - 130				
Chrysene	179.1	3.3	166.9	0	107	50 - 130				
Fluorene	151.6	3.3	166.9	0	90.8	50 - 125				
Phenanthrene	146.5	3.3	166.9	0	87.8	50 - 125				
Pyrene	148.2	3.3	166.9	0	88.8	45 - 130				
Surr: 2,4,6-Tribromophenol	*174.7*	*0*	*166.9*	*0*	*105*	*36 - 126*				
Surr: 2-Fluorobiphenyl	*151.2*	*0*	*166.9*	*0*	*90.6*	*43 - 125*				
Surr: 2-Fluorophenol	*152.6*	*0*	*166.9*	*0*	*91.4*	*37 - 125*				
Surr: 4-Terphenyl-d14	*167*	*0*	*166.9*	*0*	*100*	*32 - 125*				
Surr: Nitrobenzene-d5	*164.2*	*0*	*166.9*	*0*	*98.4*	*37 - 125*				
Surr: Phenol-d6	*164.8*	*0*	*166.9*	*0*	*98.7*	*40 - 125*				

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: 112082 **Instrument: SV-7** **Method: SW8270**

MSD Sample ID: **HS17020151-11MSD** Units: **ug/Kg** Analysis Date: **07-Feb-2017 13:23**
Client ID: Run ID: **SV-7_289158** SeqNo: **3979742** PrepDate: **06-Feb-2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Anthracene	163.2	3.3	166.8	0	97.8	50 - 123	151.8	7.25	30	
Benz(a)anthracene	159.4	3.3	166.8	0	95.6	50 - 131	152.3	4.56	30	
Benzo(a)pyrene	170.5	3.3	166.8	0	102	50 - 130	169.6	0.524	30	
Benzo(b)fluoranthene	189.6	3.3	166.8	0	114	50 - 137	201.5	6.05	30	
Benzo(g,h,i)perylene	188.7	3.3	166.8	0	113	50 - 130	191	1.22	30	
Chrysene	188.5	3.3	166.8	0	113	50 - 130	179.1	5.11	30	
Fluorene	164.1	3.3	166.8	0	98.4	50 - 125	151.6	7.95	30	
Phenanthrene	162	3.3	166.8	0	97.2	50 - 125	146.5	10.1	30	
Pyrene	154.8	3.3	166.8	0	92.8	45 - 130	148.2	4.36	30	
Surr: 2,4,6-Tribromophenol	*170.9*	*0*	*166.8*	*0*	*102*	*36 - 126*	*174.7*	*2.19*	*30*	
Surr: 2-Fluorobiphenyl	*154.7*	*0*	*166.8*	*0*	*92.8*	*43 - 125*	*151.2*	*2.29*	*30*	
Surr: 2-Fluorophenol	*155.1*	*0*	*166.8*	*0*	*93.0*	*37 - 125*	*152.6*	*1.59*	*30*	
Surr: 4-Terphenyl-d14	*168.4*	*0*	*166.8*	*0*	*101*	*32 - 125*	*167*	*0.837*	*30*	
Surr: Nitrobenzene-d5	*164.5*	*0*	*166.8*	*0*	*98.6*	*37 - 125*	*164.2*	*0.135*	*30*	
Surr: Phenol-d6	*173.8*	*0*	*166.8*	*0*	*104*	*40 - 125*	*164.8*	*5.32*	*30*	

The following samples were analyzed in this batch: HS17020135-07 HS17020135-08 HS17020135-09 HS17020135-10 HS17020135-11 HS17020135-12

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: **R289136** **Instrument:** **VOA5** **Method:** **SW8260**

MBLK Sample ID: **VBLKS1-020717** Units: **ug/Kg** Analysis Date: **07-Feb-2017 12:54**
Client ID: Run ID: **VOA5_289136** SeqNo: **3979318** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	U	5.0								
1,2-Dibromoethane	U	5.0								
1,2-Dichloroethane	U	5.0								
1,3,5-Trimethylbenzene	U	5.0								
Benzene	U	5.0								
Ethylbenzene	U	5.0								
Isopropylbenzene	U	5.0								
m,p-Xylene	U	10								
Methyl tert-butyl ether	U	5.0								
Naphthalene	U	5.0								
Toluene	U	5.0								
Xylenes, Total	U	5.0								
Surr: 1,2-Dichloroethane-d4	*45.3*	*0*	*50*	*0*	*90.6*	*70 - 128*				
Surr: 4-Bromofluorobenzene	*47.01*	*0*	*50*	*0*	*94.0*	*73 - 126*				
Surr: Dibromofluoromethane	*46.31*	*0*	*50*	*0*	*92.6*	*71 - 128*				
Surr: Toluene-d8	*52.55*	*0*	*50*	*0*	*105*	*73 - 127*				

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: **R289136** **Instrument:** **VOA5** **Method:** **SW8260**

LCS Sample ID: **VLCSS1-020717** Units: **ug/Kg** Analysis Date: **07-Feb-2017 13:18**
Client ID: Run ID: **VOA5_289136** SeqNo: **3979319** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	54.23	5.0	50	0	108	79 - 123				
1,2-Dibromoethane	52.69	5.0	50	0	105	70 - 120				
1,2-Dichloroethane	52.13	5.0	50	0	104	73 - 121				
1,3,5-Trimethylbenzene	55.03	5.0	50	0	110	70 - 123				
Benzene	53.43	5.0	50	0	107	79 - 122				
Ethylbenzene	55.03	5.0	50	0	110	80 - 122				
Isopropylbenzene	56.37	5.0	50	0	113	72 - 127				
m,p-Xylene	111	10	100	0	111	79 - 122				
Methyl tert-butyl ether	51.46	5.0	50	0	103	76 - 124				
Naphthalene	48.89	5.0	50	0	97.8	71 - 128				
Toluene	54.16	5.0	50	0	108	79 - 120				
Xylenes, Total	165.9	5.0	150	0	111	79 - 123				
Surr: 1,2-Dichloroethane-d4	*52.33*	*0*	*50*	*0*	*105*	*70 - 128*				
Surr: 4-Bromofluorobenzene	*49.43*	*0*	*50*	*0*	*98.9*	*73 - 126*				
Surr: Dibromofluoromethane	*50.5*	*0*	*50*	*0*	*101*	*71 - 128*				
Surr: Toluene-d8	*50.88*	*0*	*50*	*0*	*102*	*73 - 127*				

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: **R289136** **Instrument:** **VOA5** **Method:** **SW8260**

MS Sample ID: **HS17020191-02MS** Units: **ug/Kg** Analysis Date: **07-Feb-2017 16:47**
Client ID: Run ID: **VOA5_289136** SeqNo: **3979810** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	42.84	4.9	49	0	87.4	79 - 123				
1,2-Dibromoethane	43.28	4.9	49	0	88.3	70 - 120				
1,2-Dichloroethane	42.85	4.9	49	0	87.4	73 - 121				
1,3,5-Trimethylbenzene	43.38	4.9	49	0	88.5	70 - 123				
Benzene	42.85	4.9	49	0	87.4	79 - 122				
Ethylbenzene	42.66	4.9	49	0	87.1	80 - 122				
Isopropylbenzene	43.71	4.9	49	0	89.2	72 - 127				
m,p-Xylene	86.73	9.8	98	0	88.5	79 - 122				
Methyl tert-butyl ether	40.81	4.9	49	0	83.3	76 - 124				
Naphthalene	40.74	4.9	49	0	83.2	71 - 128				
Toluene	42.88	4.9	49	0	87.5	79 - 120				
Xylenes, Total	129.8	4.9	147	0	88.3	79 - 123				
Surr: 1,2-Dichloroethane-d4	*51.96*	*0*	*49*	*0*	*106*	*70 - 128*				
Surr: 4-Bromofluorobenzene	*48.02*	*0*	*49*	*0*	*98.0*	*73 - 126*				
Surr: Dibromofluoromethane	*49.67*	*0*	*49*	*0*	*101*	*71 - 128*				
Surr: Toluene-d8	*49.83*	*0*	*49*	*0*	*102*	*73 - 127*				

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: R289136 **Instrument: VOA5** **Method: SW8260**

MSD Sample ID: **HS17020191-02MSD** Units: **ug/Kg** Analysis Date: **07-Feb-2017 17:10**
Client ID: Run ID: **VOA5_289136** SeqNo: **3979811** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	46.02	4.8	48.5	0	94.9	79 - 123	42.84	7.15	30	
1,2-Dibromoethane	44.85	4.8	48.5	0	92.5	70 - 120	43.28	3.55	30	
1,2-Dichloroethane	44.65	4.8	48.5	0	92.1	73 - 121	42.85	4.11	30	
1,3,5-Trimethylbenzene	46.2	4.8	48.5	0	95.2	70 - 123	43.38	6.28	30	
Benzene	45.29	4.8	48.5	0	93.4	79 - 122	42.85	5.55	30	
Ethylbenzene	45.42	4.8	48.5	0	93.7	80 - 122	42.66	6.27	30	
Isopropylbenzene	46.57	4.8	48.5	0	96.0	72 - 127	43.71	6.33	30	
m,p-Xylene	92.06	9.7	97	0	94.9	79 - 122	86.73	5.96	30	
Methyl tert-butyl ether	43.7	4.8	48.5	0	90.1	76 - 124	40.81	6.85	30	
Naphthalene	43.15	4.8	48.5	0	89.0	71 - 128	40.74	5.73	30	
Toluene	45.64	4.8	48.5	0	94.1	79 - 120	42.88	6.24	30	
Xylenes, Total	138	4.8	145.5	0	94.8	79 - 123	129.8	6.1	30	
Surr: 1,2-Dichloroethane-d4	*50.43*	*0*	*48.5*	*0*	*104*	*70 - 128*	*51.96*	*2.99*	*30*	
Surr: 4-Bromofluorobenzene	*46.92*	*0*	*48.5*	*0*	*96.8*	*73 - 126*	*48.02*	*2.32*	*30*	
Surr: Dibromofluoromethane	*49.99*	*0*	*48.5*	*0*	*103*	*71 - 128*	*49.67*	*0.633*	*30*	
Surr: Toluene-d8	*49.31*	*0*	*48.5*	*0*	*102*	*73 - 127*	*49.83*	*1.04*	*30*	

The following samples were analyzed in this batch: HS17020135-01 HS17020135-02 HS17020135-04 HS17020135-05 HS17020135-06 HS17020135-07 HS17020135-08

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: **R289164** **Instrument:** **VOA5** **Method:** **SW8260**

MBLK Sample ID: **VBLKS2-020717** Units: **ug/Kg** Analysis Date: **08-Feb-2017 01:39**
Client ID: Run ID: **VOA5_289164** SeqNo: **3979828** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	U	5.0								
1,2-Dibromoethane	U	5.0								
1,2-Dichloroethane	U	5.0								
1,3,5-Trimethylbenzene	U	5.0								
Benzene	U	5.0								
Ethylbenzene	U	5.0								
Isopropylbenzene	U	5.0								
m,p-Xylene	U	10								
Methyl tert-butyl ether	U	5.0								
Naphthalene	U	5.0								
Toluene	U	5.0								
Xylenes, Total	U	5.0								
Surr: 1,2-Dichloroethane-d4	*48.35*	*0*	*50*	*0*	*96.7*	*70 - 128*				
Surr: 4-Bromofluorobenzene	*46.81*	*0*	*50*	*0*	*93.6*	*73 - 126*				
Surr: Dibromofluoromethane	*46.49*	*0*	*50*	*0*	*93.0*	*71 - 128*				
Surr: Toluene-d8	*51.62*	*0*	*50*	*0*	*103*	*73 - 127*				

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: **R289164** **Instrument:** **VOA5** **Method:** **SW8260**

LCS Sample ID: **VLCSS2-020717** Units: **ug/Kg** Analysis Date: **08-Feb-2017 00:53**
Client ID: Run ID: **VOA5_289164** SeqNo: **3979827** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	48.55	5.0	50	0	97.1	79 - 123				
1,2-Dibromoethane	50.81	5.0	50	0	102	70 - 120				
1,2-Dichloroethane	50.9	5.0	50	0	102	73 - 121				
1,3,5-Trimethylbenzene	48.31	5.0	50	0	96.6	70 - 123				
Benzene	48.13	5.0	50	0	96.3	79 - 122				
Ethylbenzene	48.87	5.0	50	0	97.7	80 - 122				
Isopropylbenzene	48.35	5.0	50	0	96.7	72 - 127				
m,p-Xylene	95.87	10	100	0	95.9	79 - 122				
Methyl tert-butyl ether	49.36	5.0	50	0	98.7	76 - 124				
Naphthalene	49.47	5.0	50	0	98.9	71 - 128				
Toluene	47.88	5.0	50	0	95.8	79 - 120				
Xylenes, Total	145.5	5.0	150	0	97.0	79 - 123				
Surr: 1,2-Dichloroethane-d4	*53.83*	*0*	*50*	*0*	*108*	*70 - 128*				
Surr: 4-Bromofluorobenzene	*49.17*	*0*	*50*	*0*	*98.3*	*73 - 126*				
Surr: Dibromofluoromethane	*50.74*	*0*	*50*	*0*	*101*	*71 - 128*				
Surr: Toluene-d8	*50.94*	*0*	*50*	*0*	*102*	*73 - 127*				

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: **R289164** **Instrument:** **VOA5** **Method:** **SW8260**

MS Sample ID: **HS17020191-07MS** Units: **ug/Kg** Analysis Date: **08-Feb-2017 04:44**
Client ID: Run ID: **VOA5_289164** SeqNo: **3979836** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	35.38	4.8	47.5	0	74.5	79 - 123				S
1,2-Dibromoethane	34.58	4.8	47.5	0	72.8	70 - 120				
1,2-Dichloroethane	35.67	4.8	47.5	0	75.1	73 - 121				
1,3,5-Trimethylbenzene	36.01	4.8	47.5	0	75.8	70 - 123				
Benzene	35.52	4.8	47.5	0	74.8	79 - 122				S
Ethylbenzene	36.16	4.8	47.5	0	76.1	80 - 122				S
Isopropylbenzene	35.99	4.8	47.5	0	75.8	72 - 127				
m,p-Xylene	71.1	9.5	95	0	74.8	79 - 122				S
Methyl tert-butyl ether	33.7	4.8	47.5	0	70.9	76 - 124				S
Naphthalene	30.39	4.8	47.5	0	64.0	71 - 128				S
Toluene	35.45	4.8	47.5	0	74.6	79 - 120				S
Xylenes, Total	106.5	4.8	142.5	0	74.7	79 - 123				S
Surr: 1,2-Dichloroethane-d4	*49.5*	*0*	*47.5*	*0*	*104*	*70 - 128*				
Surr: 4-Bromofluorobenzene	*46.79*	*0*	*47.5*	*0*	*98.5*	*73 - 126*				
Surr: Dibromofluoromethane	*48.3*	*0*	*47.5*	*0*	*102*	*71 - 128*				
Surr: Toluene-d8	*49.06*	*0*	*47.5*	*0*	*103*	*73 - 127*				

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: R289164 **Instrument: VOA5** **Method: SW8260**

MSD Sample ID: **HS17020191-07MSD** Units: **ug/Kg** Analysis Date: **08-Feb-2017 05:07**
Client ID: Run ID: **VOA5_289164** SeqNo: **3979837** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	36.82	4.8	47.5	0	77.5	79 - 123	35.38	3.97	30	S
1,2-Dibromoethane	36.65	4.8	47.5	0	77.1	70 - 120	34.58	5.81	30	
1,2-Dichloroethane	36.42	4.8	47.5	0	76.7	73 - 121	35.67	2.09	30	
1,3,5-Trimethylbenzene	37.75	4.8	47.5	0	79.5	70 - 123	36.01	4.72	30	
Benzene	37.63	4.8	47.5	0	79.2	79 - 122	35.52	5.77	30	
Ethylbenzene	37.86	4.8	47.5	0	79.7	80 - 122	36.16	4.6	30	S
Isopropylbenzene	37.97	4.8	47.5	0	79.9	72 - 127	35.99	5.35	30	
m,p-Xylene	74.71	9.5	95	0	78.6	79 - 122	71.1	4.96	30	S
Methyl tert-butyl ether	35.17	4.8	47.5	0	74.0	76 - 124	33.7	4.25	30	S
Naphthalene	33.33	4.8	47.5	0	70.2	71 - 128	30.39	9.23	30	S
Toluene	38.14	4.8	47.5	0	80.3	79 - 120	35.45	7.29	30	
Xylenes, Total	111.9	4.8	142.5	0	78.5	79 - 123	106.5	4.96	30	S
Surr: 1,2-Dichloroethane-d4	*49.48*	*0*	*47.5*	*0*	*104*	*70 - 128*	*49.5*	*0.0447*	*30*	
Surr: 4-Bromofluorobenzene	*46.95*	*0*	*47.5*	*0*	*98.8*	*73 - 126*	*46.79*	*0.354*	*30*	
Surr: Dibromofluoromethane	*47.77*	*0*	*47.5*	*0*	*101*	*71 - 128*	*48.3*	*1.12*	*30*	
Surr: Toluene-d8	*49.05*	*0*	*47.5*	*0*	*103*	*73 - 127*	*49.06*	*0.0137*	*30*	

The following samples were analyzed in this batch: HS17020135-03 HS17020135-09 HS17020135-10 HS17020135-11 HS17020135-12

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: R289256 **Instrument: VOA2** **Method: SW8260**

MBLK Sample ID: **VBLKW-170208** Units: **ug/Kg** Analysis Date: **09-Feb-2017 00:08**
Client ID: Run ID: **VOA2_289256** SeqNo: **3981867** PrepDate: DF: **50**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
m,p-Xylene	U	500								
Xylenes, Total	U	250								
Surr: 1,2-Dichloroethane-d4	*2270*	*0*	*2500*	*0*	*90.8*	*70 - 128*				
Surr: 4-Bromofluorobenzene	*2463*	*0*	*2500*	*0*	*98.5*	*73 - 126*				
Surr: Dibromofluoromethane	*2335*	*0*	*2500*	*0*	*93.4*	*71 - 128*				
Surr: Toluene-d8	*2513*	*0*	*2500*	*0*	*101*	*73 - 127*				

LCS Sample ID: **VLCSW-170208** Units: **ug/L** Analysis Date: **08-Feb-2017 22:54**
Client ID: Run ID: **VOA2_289256** SeqNo: **3981995** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
m,p-Xylene	92.9	10	100	0	92.9	78 - 121				
Xylenes, Total	140.1	5.0	150	0	93.4	80 - 120				
Surr: 1,2-Dichloroethane-d4	*47.28*	*0*	*50*	*0*	*94.6*	*70 - 125*				
Surr: 4-Bromofluorobenzene	*50.16*	*0*	*50*	*0*	*100*	*72 - 125*				
Surr: Dibromofluoromethane	*47.11*	*0*	*50*	*0*	*94.2*	*71 - 125*				
Surr: Toluene-d8	*48.6*	*0*	*50*	*0*	*97.2*	*75 - 125*				

LCSD Sample ID: **VLCSDW-170208** Units: **ug/L** Analysis Date: **08-Feb-2017 23:19**
Client ID: Run ID: **VOA2_289256** SeqNo: **3981996** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
m,p-Xylene	88.79	10	100	0	88.8	78 - 121	92.9	4.52	20	
Xylenes, Total	134.7	5.0	150	0	89.8	78 - 121	140.1	3.88	20	
Surr: 1,2-Dichloroethane-d4	*47.61*	*0*	*50*	*0*	*95.2*	*70 - 125*	*47.28*	*0.69*	*20*	
Surr: 4-Bromofluorobenzene	*49.67*	*0*	*50*	*0*	*99.3*	*72 - 125*	*50.16*	*0.977*	*20*	
Surr: Dibromofluoromethane	*47.01*	*0*	*50*	*0*	*94.0*	*71 - 125*	*47.11*	*0.22*	*20*	
Surr: Toluene-d8	*47.83*	*0*	*50*	*0*	*95.7*	*75 - 125*	*48.6*	*1.6*	*20*	

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: R289256 **Instrument: VOA2** **Method: SW8260**

MS Sample ID: **HS17020218-35MS** Units: **ug/Kg** Analysis Date: **09-Feb-2017 03:01**
Client ID: Run ID: **VOA2_289256** SeqNo: **3981874** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
m,p-Xylene	88.41	10	100	0	88.4	79 - 122				
Xylenes, Total	133.5	5.0	150	0	89.0	79 - 123				
Surr: 1,2-Dichloroethane-d4	*46.4*	*0*	*50*	*0*	*92.8*	*70 - 128*				
Surr: 4-Bromofluorobenzene	*50.18*	*0*	*50*	*0*	*100*	*73 - 126*				
Surr: Dibromofluoromethane	*45.91*	*0*	*50*	*0*	*91.8*	*71 - 128*				
Surr: Toluene-d8	*48.29*	*0*	*50*	*0*	*96.6*	*73 - 127*				

MSD Sample ID: **HS17020218-35MSD** Units: **ug/Kg** Analysis Date: **09-Feb-2017 03:26**
Client ID: Run ID: **VOA2_289256** SeqNo: **3981875** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
m,p-Xylene	85.96	10	100	0	86.0	79 - 122	88.41	2.81	30	
Xylenes, Total	129.6	5.0	150	0	86.4	79 - 123	133.5	2.98	30	
Surr: 1,2-Dichloroethane-d4	*47.87*	*0*	*50*	*0*	*95.7*	*70 - 128*	*46.4*	*3.11*	*30*	
Surr: 4-Bromofluorobenzene	*50.56*	*0*	*50*	*0*	*101*	*73 - 126*	*50.18*	*0.758*	*30*	
Surr: Dibromofluoromethane	*46.14*	*0*	*50*	*0*	*92.3*	*71 - 128*	*45.91*	*0.496*	*30*	
Surr: Toluene-d8	*48.76*	*0*	*50*	*0*	*97.5*	*73 - 127*	*48.29*	*0.956*	*30*	

The following samples were analyzed in this batch: HS17020135-11

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: **R289297** **Instrument:** **Balance1** **Method:** **SW3550**

DUP Sample ID: **HS17020295-04DUP** Units: **wt%** Analysis Date: **09-Feb-2017 10:03**
Client ID: Run ID: **Balance1_289297** SeqNo: **3982872** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	23.5	0.0100					22	6.59	20	

The following samples were analyzed in this batch: HS17020135-01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: HS17020135

QC BATCH REPORT

Batch ID: **R289299** **Instrument:** **Balance1** **Method:** **SW3550**

DUP Sample ID: **HS17020135-12DUP** Units: **wt%** Analysis Date: **09-Feb-2017 10:22**
Client ID: **MHIC_AST_631_PB-2'** Run ID: **Balance1_289299** SeqNo: **3982887** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	12.4	0.0100					11.4	8.4	20	

The following samples were analyzed in this batch:

HS17020135-02	HS17020135-03	HS17020135-04	HS17020135-05
HS17020135-06	HS17020135-07	HS17020135-08	HS17020135-09
HS17020135-10	HS17020135-11	HS17020135-12	

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
WorkOrder: **HS17020135**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/Kg	Milligrams per Kilogram

RIGHT SOLUTIONS | RIGHT PARTNER

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	16-022-1	27-Mar-2017
California	2919 2016-2018	31-Jul-2018
Illinois	003872	09-May-2017
Kansas	E-10352 2016-2017	31-Jul-2017
Kentucky	96 2016-2017	30-Apr-2017
Louisiana	03087 2016-2017	30-Jun-2017
North Carolina	624-2017	31-Dec-2017
North Dakota	R193 2016-2017	30-Apr-2017
Oklahoma	2016-122	31-Aug-2017
Texas	TX104704231-16-17	30-Apr-2017

RIGHT SOLUTIONS | RIGHT PARTNER

Client: Stantec
Project: MHIC - 631/632
Work Order: HS17020135

SAMPLE TRACKING

Lab Samp ID	Client Sample ID	Action	Date	Person	New Location
HS17020135-13	TB - 010617-30	Login	2/3/2017 11:42:12 AM	RPG	VW-3
HS17020135-14	TB - 010617-36	Login	2/3/2017 11:42:13 AM	RPG	VW-3
HS17020135-01	MHIC_AST_631_A-3'	Out	2/7/2017 2:33:23 PM	PVL	METPREP
HS17020135-02	MHIC_AST_631_B-3'	Out	2/7/2017 2:33:23 PM	PVL	METPREP
HS17020135-03	MHIC_AST_631_C-3'	Out	2/7/2017 2:33:23 PM	PVL	METPREP
HS17020135-04	MHIC_AST_631_D-3'	Out	2/7/2017 2:33:23 PM	PVL	METPREP
HS17020135-05	MHIC_AST_631_E-3'	Out	2/7/2017 2:33:23 PM	PVL	METPREP
HS17020135-06	MHIC_AST_632_A-3'	Out	2/7/2017 2:33:23 PM	PVL	METPREP
HS17020135-07	MHIC_AST_632_B-3'	Out	2/7/2017 2:33:23 PM	PVL	METPREP
HS17020135-08	MHIC_AST_632_C-3'	Out	2/7/2017 2:33:23 PM	PVL	METPREP
HS17020135-09	MHIC_AST_632_D-3'	Out	2/7/2017 2:33:23 PM	PVL	METPREP
HS17020135-10	MHIC_AST_632_E-3'	Out	2/7/2017 2:33:23 PM	PVL	METPREP
HS17020135-11	MHIC_AST_632_PB-2'	Out	2/7/2017 2:33:23 PM	PVL	METPREP
HS17020135-12	MHIC_AST_631_PB-2'	Out	2/7/2017 2:33:23 PM	PVL	METPREP
HS17020135-01	MHIC_AST_631_A-3'	Return	2/7/2017 2:33:43 PM	PVL	8D
HS17020135-02	MHIC_AST_631_B-3'	Return	2/7/2017 2:33:43 PM	PVL	8D
HS17020135-03	MHIC_AST_631_C-3'	Return	2/7/2017 2:33:43 PM	PVL	8D
HS17020135-04	MHIC_AST_631_D-3'	Return	2/7/2017 2:33:43 PM	PVL	8D
HS17020135-05	MHIC_AST_631_E-3'	Return	2/7/2017 2:33:43 PM	PVL	8D
HS17020135-06	MHIC_AST_632_A-3'	Return	2/7/2017 2:33:43 PM	PVL	8D
HS17020135-07	MHIC_AST_632_B-3'	Return	2/7/2017 2:33:43 PM	PVL	8D
HS17020135-08	MHIC_AST_632_C-3'	Return	2/7/2017 2:33:43 PM	PVL	8D
HS17020135-09	MHIC_AST_632_D-3'	Return	2/7/2017 2:33:43 PM	PVL	8D
HS17020135-10	MHIC_AST_632_E-3'	Return	2/7/2017 2:33:43 PM	PVL	8D
HS17020135-11	MHIC_AST_632_PB-2'	Return	2/7/2017 2:33:43 PM	PVL	8D
HS17020135-12	MHIC_AST_631_PB-2'	Return	2/7/2017 2:33:43 PM	PVL	8D

RIGHT SOLUTIONS | RIGHT PARTNER

Sample Receipt Checklist

Client Name: Stantec-PA
Work Order: HS17020135

Date/Time Received: **03-Feb-2017 08:35**
Received by: **CGG**

Checklist completed by: *Cesar A. Lira* (eSignature) 3-Feb-2017 (Date)

Reviewed by: *Erica Padilla* (eSignature) 13-Feb-2017 (Date)

Matrices: **Solid, water**

Carrier name: **FedEx**

	Yes	No	Not Present / N/A
Shipping container/cooler in good condition?	☑	☐	☐ Not Present
Custody seals intact on shipping container/cooler?	☑	☐	☐ Not Present
Custody seals intact on sample bottles?	☐	☐	☑ Not Present
Chain of custody present?	☑	☐	
Chain of custody signed when relinquished and received?	☑	☐	
Chain of custody agrees with sample labels?	☑	☐	
Samples in proper container/bottle?	☑	☐	
Sample containers intact?	☑	☐	
TX1005 solids received in hermetically sealed vials?	☐	☐	☑ N/A
Sufficient sample volume for indicated test?	☑	☐	
All samples received within holding time?	☑	☐	
Container/Temp Blank temperature in compliance?	☑	☐	
Temperature(s)/Thermometer(s):	2.6c/3.1c - 1.4c/1.9c uc/c		IR#20
Cooler(s)/Kit(s):	25622/25453		
Date/Time sample(s) sent to storage:	2/3/2017 12:00pm		
Water - VOA vials have zero headspace?	☑	☐	☐ No VOA vials submitted
Water - pH acceptable upon receipt?	☐	☐	☑ N/A
pH adjusted?	☐	☐	☑ N/A
pH adjusted by:			

Login Notes: TB placed on hold. 1 bulk jar terracore MHIC-AST-631-PB-2 No samples

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

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Everett, WA +1 425 356 2600 | Holland, MI +1 616 399 6070

Chain of Custody Form

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COC ID: 157760

HS17020135

Stantec
MHIC - 631/632

ALS Project Manager:

Customer Information		Project Information	
Purchase Order	MHIC - 631/632	Project Name	MHIC - 631/632
Work Order		Project Number	
Company Name	Stantec	Bill To Company	Stantec
Send Report To		Invoice Attn	
Address	1060 Andrew Drive Suite 140	Address	1060 Andrew Drive Suite 140
City/State/Zip	West Chester, PA 19380	City/State/Zip	West Chester, PA 19380
Phone	610-840-2552	Phone	610-840-2552
Fax	610-840-2501	Fax	610-840-2501
e-Mail Address	Mark.Schaetter@stantec.com	e-Mail Address	

A	8260_S (8260 Client Select List)
B	8270_LOW_S (8270 LL Client Select List)
C	GLYCOL_S (Glycols) Diethylene, Ethylene, Propylene, Triethylene, Tetraethyl
D	ICP_S_Low (Lead Only)
E	MOIST_SW3550
F	XXX SUB (SUB ALS Michigan 8011 Soil EDB Only)
G	
H	
I	
J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MHIC_AST_631-A-3'	2.2.17	825	Soil	MeOH	6	X	Y	Y	X	X	X					
2	MHIC_AST_631-B-3'	2.2.17	845	Soil	MeOH	6	X	X	Y	X	X	X					
3	MHIC-AST_631-C-3'	2.2.17	900	Soil	MeOH	6	X	X	X	X	X	X					
4	MHIC-AST_631-D-3'	2.2.17	1005	Soil	MeOH	6	X	X	X	X	X	X					
5	MHIC-AST_631-E-3'	2.2.17	1055	Soil	MeOH	6	X	X	X	X	X	X					
6	MHIC-AST_632_A_3'	2.2.17	1135	Soil	MeOH	6	X	X	X	X	X	X					
7	MHIC-AST-632_B_3'	2.2.17	1315	Soil	MeOH	6	X	X	X	X	X	X					
8	MHIC-AST_632_C_3'	2.2.17	1335	Soil	MeOH	6	X	X	X	X	X	X					
9	MHIC-AST_632_D-3'	2.2.17	1415	Soil	MeOH	6	X	X	X	X	X	X					
10	MHIC_AST_632_E-3'	2.2.17	1435	Soil	MeOH	6	X	X	X	X	X	X					

Sampler(s) Please Print & Sign: Karl McGurry

Shipment Method: Fedex

Required Turnaround Time: (Check Box) TAT 10 days Other:

Results Due Date:

Relinquished by:	Date: 2.2.17	Time: 1700	Received by:
Relinquished by:	Date:	Time:	Received by (Laboratory): CG 0835 2.3.17
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: [Stantec-MHIC]

Cooler ID	Cooler Temp.
25622	2.6
25453	1.4

QC Level: STD

QC Package: (Check One Box Below)

Other:

IR#20 CF#0.5

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note:
1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Chain of Custody Form

Page 2 of 2

COC ID: 157761

HS17020135

WV

Stantec
MHIC - 631/632

ALS Project Manager:

Customer Information		Project Information	
Purchase Order	MHIC - 631/632	Project Name	MHIC - 631/632
Work Order		Project Number	
Company Name	Stantec	Bill To Company	Stantec
Send Report To		Invoice Attn	
Address	1060 Andrew Drive Suite 140	Address	1060 Andrew Drive Suite 140
City/State/Zip	West Chester, PA 19380	City/State/Zip	West Chester, PA 19380
Phone	610-840-2552	Phone	610-840-2552
Fax	610-840-2501	Fax	610-840-2501
e-Mail Address	Mark.schaetter@stantec.com	e-Mail Address	

A	8260_S (8260 Client Select List)
B	8270_LOW_S (8270 LL Client Select List)
C	GLYCOL_S (Glycols) Diethylene, Ethylene, Propylene, Triethylene, Tetraethyl
D	ICP_S_Low (Lead Only)
E	MOIST_SW3550
F	XXX SUB (SUB ALS Michigan 8011 Soil EDB Only)
G	
H	
I	
J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MHIC_AST_632_PB_2'	2.2.17	1455	Soil	MeOH	6	X	X	X	X	X	X					
2	MHIC_AST_631_PB_2'	2.2.17	1525	Soil	MeOH	6	X	X	X	X	X	X					
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Karl McCoy

Shipment Method: Fedex

Required Turnaround Time: (Check Box) TAT 10 days Other:

Results Due Date:

Relinquished by:	Date: 2.2.17	Time: 1700	Received by:
Relinquished by:	Date:	Time:	Received by (Laboratory): CG 0835 2.3.17
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: [Stantec-MHIC]

Cooler ID	Cooler Temp.
25622	2.6
25453	1.4

QC Level: STD

QC Package: (Check One Box Below)

Other:

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the...
3. The Chain of Custody is a legal document. All information ...

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ALS Environmental
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

25622

CUSTODY SEAL
Date: 2.2.17 Time: 1700
Name: Kari McCurry
Company: Stantec

Seal Broken By: SM
Date: 02/03/17

25622 FEB 03 2017

FedEx
TRK# 0221 6786 7203 4339

FRI – 03 FEB 10:30A
PRIORITY OVERNIGHT

NH SGRA 25622 TX-US 77099 IAH

ALS Environmental
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

25453

CUSTODY SEAL
Date: 2.2.17 Time: 1700
Name: Kari McCurry
Company: Stantec

Seal Broken By: SM
Date: 02/03/17

25453 FEB 03 2017 FEB 03 2017

FedEx
TRK# 0221 6786 7203 4350

FRI – 03 FEB 10:30A
PRIORITY OVERNIGHT

NH SGRA 25453 TX-US 77099 IAH

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