

March 24, 2016

Mike Gurley
Republic Services
5105 Morehead Road
Concord, NC 28027

RE: Project: CHARLOTTE MOTOR SPEEDWAY LF
Pace Project No.: 92290648

Dear Mike Gurley:

Enclosed are the analytical results for sample(s) received by the laboratory on March 18, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Liam Harrison
liamm.harrison@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CHARLOTTE MOTOR SPEEDWAY LF

Pace Project No.: 92290648

Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

Asheville Certification IDs

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: CHARLOTTE MOTOR SPEEDWAY LF

Pace Project No.: 92290648

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92290648001	DRY LANDFILL DITCH	Solid	03/18/16 10:45	03/18/16 11:35

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SAMPLE ANALYTE COUNT

Project: CHARLOTTE MOTOR SPEEDWAY LF

Pace Project No.: 92290648

Lab ID	Sample ID	Method	Analysts	Analytes	
				Reported	Laboratory
92290648001	DRY LANDFILL DITCH	EPA 6010	CDF	7	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 9045	EWS	1	PASI-A

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SUMMARY OF DETECTION

Project: CHARLOTTE MOTOR SPEEDWAY LF

Pace Project No.: 92290648

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92290648001	DRY LANDFILL DITCH					
EPA 6010	Arsenic	5.0	mg/kg	0.98	03/23/16 05:37	
EPA 6010	Barium	176	mg/kg	0.49	03/23/16 05:37	
EPA 6010	Chromium	15.9	mg/kg	0.49	03/23/16 05:37	
EPA 6010	Lead	10.9	mg/kg	0.49	03/23/16 05:37	
EPA 7471	Mercury	0.024	mg/kg	0.0032	03/24/16 16:32	
ASTM D2974-87	Percent Moisture	37.6	%	0.10	03/21/16 09:11	
EPA 9045	pH at 25 Degrees C	7.0	Std. Units	0.10	03/23/16 15:00	H6

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PROJECT NARRATIVE

Project: CHARLOTTE MOTOR SPEEDWAY LF
Pace Project No.: 92290648

Method: EPA 6010
Description: 6010 MET ICP
Client: Republic Services
Date: March 24, 2016

General Information:

1 sample was analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MPRP/21042

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92290661003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1691215)
- Barium

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: CHARLOTTE MOTOR SPEEDWAY LF
Pace Project No.: 92290648

Method: EPA 7471
Description: 7471 Mercury
Client: Republic Services
Date: March 24, 2016

General Information:

1 sample was analyzed for EPA 7471. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MERP/9117

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92290598001

R1: RPD value was outside control limits.

- MSD (Lab ID: 1692022)
- Mercury

Additional Comments:

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PROJECT NARRATIVE

Project: CHARLOTTE MOTOR SPEEDWAY LF
Pace Project No.: 92290648

Method: EPA 8270
Description: 8270 MSSV Microwave
Client: Republic Services
Date: March 24, 2016

General Information:

1 sample was analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: OEXT/41489

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92290490001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1690803)
- 2,4-Dinitrophenol

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: CHARLOTTE MOTOR SPEEDWAY LF
Pace Project No.: 92290648

Method: EPA 8260
Description: 8260 MSV 5030 Low Level
Client: Republic Services
Date: March 24, 2016

General Information:

1 sample was analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: MSV/36090

1g: The sample was weighed and preserved in the laboratory from a soil jar. Sample was not preserved within 48 hours.

- DRY LANDFILL DITCH (Lab ID: 92290648001)
 - Toluene-d8 (S)

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PROJECT NARRATIVE

Project: CHARLOTTE MOTOR SPEEDWAY LF
Pace Project No.: 92290648

Method: EPA 9045
Description: 9045 pH Soil
Client: Republic Services
Date: March 24, 2016

General Information:

1 sample was analyzed for EPA 9045. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

- H6: Analysis initiated outside of the 15 minute EPA required holding time.
- DRY LANDFILL DITCH (Lab ID: 92290648001)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: WET/43724

- E: Analyte concentration exceeded the calibration range. The reported result is estimated.
- DUP (Lab ID: 1691719)
 - pH at 25 Degrees C

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: CHARLOTTE MOTOR SPEEDWAY LF

Pace Project No.: 92290648

Sample: DRY LANDFILL DITCH **Lab ID: 92290648001** Collected: 03/18/16 10:45 Received: 03/18/16 11:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	5.0	mg/kg	0.98	0.49	1	03/21/16 18:00	03/23/16 05:37	7440-38-2	
Barium	176	mg/kg	0.49	0.24	1	03/21/16 18:00	03/23/16 05:37	7440-39-3	
Cadmium	ND	mg/kg	0.098	0.049	1	03/21/16 18:00	03/23/16 05:37	7440-43-9	
Chromium	15.9	mg/kg	0.49	0.24	1	03/21/16 18:00	03/23/16 05:37	7440-47-3	
Lead	10.9	mg/kg	0.49	0.24	1	03/21/16 18:00	03/23/16 05:37	7439-92-1	
Selenium	ND	mg/kg	0.98	0.49	1	03/21/16 18:00	03/23/16 05:37	7782-49-2	
Silver	ND	mg/kg	0.49	0.24	1	03/21/16 18:00	03/23/16 05:37	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.024	mg/kg	0.0032	0.000063	1	03/23/16 18:35	03/24/16 16:32	7439-97-6	
8270 MSSV Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	ND	ug/kg	529	122	1	03/21/16 10:15	03/22/16 19:21	83-32-9	
Acenaphthylene	ND	ug/kg	529	125	1	03/21/16 10:15	03/22/16 19:21	208-96-8	
Aniline	ND	ug/kg	529	143	1	03/21/16 10:15	03/22/16 19:21	62-53-3	
Anthracene	ND	ug/kg	529	119	1	03/21/16 10:15	03/22/16 19:21	120-12-7	
Benzo(a)anthracene	ND	ug/kg	529	97.7	1	03/21/16 10:15	03/22/16 19:21	56-55-3	
Benzo(a)pyrene	ND	ug/kg	529	101	1	03/21/16 10:15	03/22/16 19:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	529	91.3	1	03/21/16 10:15	03/22/16 19:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	529	135	1	03/21/16 10:15	03/22/16 19:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	529	104	1	03/21/16 10:15	03/22/16 19:21	207-08-9	
Benzoic Acid	ND	ug/kg	2640	96.1	1	03/21/16 10:15	03/22/16 19:21	65-85-0	
Benzyl alcohol	ND	ug/kg	1060	106	1	03/21/16 10:15	03/22/16 19:21	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	529	96.1	1	03/21/16 10:15	03/22/16 19:21	101-55-3	
Butylbenzylphthalate	ND	ug/kg	529	112	1	03/21/16 10:15	03/22/16 19:21	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	1060	109	1	03/21/16 10:15	03/22/16 19:21	59-50-7	
4-Chloroaniline	ND	ug/kg	2640	147	1	03/21/16 10:15	03/22/16 19:21	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	529	123	1	03/21/16 10:15	03/22/16 19:21	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	529	135	1	03/21/16 10:15	03/22/16 19:21	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	529	141	1	03/21/16 10:15	03/22/16 19:21	108-60-1	
2-Chloronaphthalene	ND	ug/kg	529	104	1	03/21/16 10:15	03/22/16 19:21	91-58-7	
2-Chlorophenol	ND	ug/kg	529	144	1	03/21/16 10:15	03/22/16 19:21	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	529	109	1	03/21/16 10:15	03/22/16 19:21	7005-72-3	
Chrysene	ND	ug/kg	529	70.5	1	03/21/16 10:15	03/22/16 19:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	529	112	1	03/21/16 10:15	03/22/16 19:21	53-70-3	
Dibenzofuran	ND	ug/kg	529	86.5	1	03/21/16 10:15	03/22/16 19:21	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	529	141	1	03/21/16 10:15	03/22/16 19:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	529	120	1	03/21/16 10:15	03/22/16 19:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	529	149	1	03/21/16 10:15	03/22/16 19:21	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2640	115	1	03/21/16 10:15	03/22/16 19:21	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	529	115	1	03/21/16 10:15	03/22/16 19:21	120-83-2	
Diethylphthalate	ND	ug/kg	529	81.7	1	03/21/16 10:15	03/22/16 19:21	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	529	208	1	03/21/16 10:15	03/22/16 19:21	105-67-9	
Dimethylphthalate	ND	ug/kg	529	107	1	03/21/16 10:15	03/22/16 19:21	131-11-3	
Di-n-butylphthalate	ND	ug/kg	529	86.5	1	03/21/16 10:15	03/22/16 19:21	84-74-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CHARLOTTE MOTOR SPEEDWAY LF

Pace Project No.: 92290648

Sample: DRY LANDFILL DITCH **Lab ID: 92290648001** Collected: 03/18/16 10:45 Received: 03/18/16 11:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
4,6-Dinitro-2-methylphenol	ND	ug/kg	1060	106	1	03/21/16 10:15	03/22/16 19:21	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2640	86.5	1	03/21/16 10:15	03/22/16 19:21	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	529	99.3	1	03/21/16 10:15	03/22/16 19:21	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	529	111	1	03/21/16 10:15	03/22/16 19:21	606-20-2	
Di-n-octylphthalate	ND	ug/kg	529	111	1	03/21/16 10:15	03/22/16 19:21	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	529	144	1	03/21/16 10:15	03/22/16 19:21	117-81-7	
Fluoranthene	ND	ug/kg	529	76.9	1	03/21/16 10:15	03/22/16 19:21	206-44-0	
Fluorene	ND	ug/kg	529	109	1	03/21/16 10:15	03/22/16 19:21	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	529	91.3	1	03/21/16 10:15	03/22/16 19:21	87-68-3	
Hexachlorobenzene	ND	ug/kg	529	67.3	1	03/21/16 10:15	03/22/16 19:21	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	529	97.7	1	03/21/16 10:15	03/22/16 19:21	77-47-4	
Hexachloroethane	ND	ug/kg	529	139	1	03/21/16 10:15	03/22/16 19:21	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	529	109	1	03/21/16 10:15	03/22/16 19:21	193-39-5	
Isophorone	ND	ug/kg	529	119	1	03/21/16 10:15	03/22/16 19:21	78-59-1	
1-Methylnaphthalene	ND	ug/kg	529	138	1	03/21/16 10:15	03/22/16 19:21	90-12-0	
2-Methylnaphthalene	ND	ug/kg	529	114	1	03/21/16 10:15	03/22/16 19:21	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	529	160	1	03/21/16 10:15	03/22/16 19:21	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	529	208	1	03/21/16 10:15	03/22/16 19:21		
Naphthalene	ND	ug/kg	529	130	1	03/21/16 10:15	03/22/16 19:21	91-20-3	
2-Nitroaniline	ND	ug/kg	2640	163	1	03/21/16 10:15	03/22/16 19:21	88-74-4	
3-Nitroaniline	ND	ug/kg	2640	144	1	03/21/16 10:15	03/22/16 19:21	99-09-2	
4-Nitroaniline	ND	ug/kg	1060	149	1	03/21/16 10:15	03/22/16 19:21	100-01-6	
Nitrobenzene	ND	ug/kg	529	144	1	03/21/16 10:15	03/22/16 19:21	98-95-3	
2-Nitrophenol	ND	ug/kg	529	128	1	03/21/16 10:15	03/22/16 19:21	88-75-5	
4-Nitrophenol	ND	ug/kg	2640	94.5	1	03/21/16 10:15	03/22/16 19:21	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	529	171	1	03/21/16 10:15	03/22/16 19:21	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	529	101	1	03/21/16 10:15	03/22/16 19:21	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	529	157	1	03/21/16 10:15	03/22/16 19:21	86-30-6	
Pentachlorophenol	ND	ug/kg	2640	96.1	1	03/21/16 10:15	03/22/16 19:21	87-86-5	
Phenanthrene	ND	ug/kg	529	88.1	1	03/21/16 10:15	03/22/16 19:21	85-01-8	
Phenol	ND	ug/kg	529	159	1	03/21/16 10:15	03/22/16 19:21		
Pyrene	ND	ug/kg	529	89.7	1	03/21/16 10:15	03/22/16 19:21	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	529	103	1	03/21/16 10:15	03/22/16 19:21	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	529	163	1	03/21/16 10:15	03/22/16 19:21	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	529	117	1	03/21/16 10:15	03/22/16 19:21	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	28	%	23-110		1	03/21/16 10:15	03/22/16 19:21	4165-60-0	
2-Fluorobiphenyl (S)	39	%	30-110		1	03/21/16 10:15	03/22/16 19:21	321-60-8	
Terphenyl-d14 (S)	55	%	28-110		1	03/21/16 10:15	03/22/16 19:21	1718-51-0	
Phenol-d6 (S)	44	%	22-110		1	03/21/16 10:15	03/22/16 19:21	13127-88-3	
2-Fluorophenol (S)	39	%	13-110		1	03/21/16 10:15	03/22/16 19:21	367-12-4	
2,4,6-Tribromophenol (S)	63	%	27-110		1	03/21/16 10:15	03/22/16 19:21	118-79-6	
8260 MSV 5030 Low Level		Analytical Method: EPA 8260							
Acetone	ND	ug/kg	160	16.0	1		03/22/16 18:52	67-64-1	

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ANALYTICAL RESULTS

Project: CHARLOTTE MOTOR SPEEDWAY LF
 Pace Project No.: 92290648

Sample: DRY LANDFILL DITCH **Lab ID: 92290648001** Collected: 03/18/16 10:45 Received: 03/18/16 11:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Low Level		Analytical Method: EPA 8260							
Benzene	ND	ug/kg	8.0	2.6	1		03/22/16 18:52	71-43-2	
Bromobenzene	ND	ug/kg	8.0	3.2	1		03/22/16 18:52	108-86-1	
Bromochloromethane	ND	ug/kg	8.0	2.7	1		03/22/16 18:52	74-97-5	
Bromodichloromethane	ND	ug/kg	8.0	3.0	1		03/22/16 18:52	75-27-4	
Bromoform	ND	ug/kg	8.0	3.7	1		03/22/16 18:52	75-25-2	
Bromomethane	ND	ug/kg	16.0	4.0	1		03/22/16 18:52	74-83-9	
2-Butanone (MEK)	ND	ug/kg	160	4.6	1		03/22/16 18:52	78-93-3	
n-Butylbenzene	ND	ug/kg	8.0	2.9	1		03/22/16 18:52	104-51-8	
sec-Butylbenzene	ND	ug/kg	8.0	2.6	1		03/22/16 18:52	135-98-8	
tert-Butylbenzene	ND	ug/kg	8.0	3.2	1		03/22/16 18:52	98-06-6	
Carbon tetrachloride	ND	ug/kg	8.0	4.2	1		03/22/16 18:52	56-23-5	
Chlorobenzene	ND	ug/kg	8.0	3.0	1		03/22/16 18:52	108-90-7	
Chloroethane	ND	ug/kg	16.0	3.8	1		03/22/16 18:52	75-00-3	
Chloroform	ND	ug/kg	8.0	2.6	1		03/22/16 18:52	67-66-3	
Chloromethane	ND	ug/kg	16.0	3.8	1		03/22/16 18:52	74-87-3	
2-Chlorotoluene	ND	ug/kg	8.0	2.7	1		03/22/16 18:52	95-49-8	
4-Chlorotoluene	ND	ug/kg	8.0	2.9	1		03/22/16 18:52	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	8.0	5.8	1		03/22/16 18:52	96-12-8	
Dibromochloromethane	ND	ug/kg	8.0	2.9	1		03/22/16 18:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	8.0	2.9	1		03/22/16 18:52	106-93-4	
Dibromomethane	ND	ug/kg	8.0	4.0	1		03/22/16 18:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	8.0	3.0	1		03/22/16 18:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	8.0	3.2	1		03/22/16 18:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	8.0	2.7	1		03/22/16 18:52	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	16.0	5.8	1		03/22/16 18:52	75-71-8	
1,1-Dichloroethane	ND	ug/kg	8.0	2.4	1		03/22/16 18:52	75-34-3	
1,2-Dichloroethane	ND	ug/kg	8.0	3.5	1		03/22/16 18:52	107-06-2	
1,1-Dichloroethene	ND	ug/kg	8.0	2.9	1		03/22/16 18:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	8.0	2.2	1		03/22/16 18:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	8.0	3.0	1		03/22/16 18:52	156-60-5	
1,2-Dichloropropane	ND	ug/kg	8.0	2.7	1		03/22/16 18:52	78-87-5	
1,3-Dichloropropane	ND	ug/kg	8.0	3.0	1		03/22/16 18:52	142-28-9	
2,2-Dichloropropane	ND	ug/kg	8.0	2.7	1		03/22/16 18:52	594-20-7	
1,1-Dichloropropene	ND	ug/kg	8.0	2.4	1		03/22/16 18:52	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	8.0	2.9	1		03/22/16 18:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	8.0	2.4	1		03/22/16 18:52	10061-02-6	
Diisopropyl ether	ND	ug/kg	8.0	2.7	1		03/22/16 18:52	108-20-3	
Ethylbenzene	ND	ug/kg	8.0	2.9	1		03/22/16 18:52	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	8.0	3.2	1		03/22/16 18:52	87-68-3	
2-Hexanone	ND	ug/kg	80.1	6.2	1		03/22/16 18:52	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	8.0	3.0	1		03/22/16 18:52	98-82-8	
p-Isopropyltoluene	ND	ug/kg	8.0	2.7	1		03/22/16 18:52	99-87-6	
Methylene Chloride	ND	ug/kg	32.0	4.8	1		03/22/16 18:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	80.1	5.9	1		03/22/16 18:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	8.0	2.4	1		03/22/16 18:52	1634-04-4	

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ANALYTICAL RESULTS

Project: CHARLOTTE MOTOR SPEEDWAY LF

Pace Project No.: 92290648

Sample: DRY LANDFILL DITCH **Lab ID: 92290648001** Collected: 03/18/16 10:45 Received: 03/18/16 11:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Low Level		Analytical Method: EPA 8260							
Naphthalene	ND	ug/kg	8.0	1.9	1		03/22/16 18:52	91-20-3	
n-Propylbenzene	ND	ug/kg	8.0	2.7	1		03/22/16 18:52	103-65-1	
Styrene	ND	ug/kg	8.0	2.9	1		03/22/16 18:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	8.0	3.4	1		03/22/16 18:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	8.0	3.0	1		03/22/16 18:52	79-34-5	
Tetrachloroethene	ND	ug/kg	8.0	2.7	1		03/22/16 18:52	127-18-4	
Toluene	ND	ug/kg	8.0	2.9	1		03/22/16 18:52	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	8.0	3.5	1		03/22/16 18:52	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	8.0	2.6	1		03/22/16 18:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	8.0	2.9	1		03/22/16 18:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	8.0	3.4	1		03/22/16 18:52	79-00-5	
Trichloroethene	ND	ug/kg	8.0	3.4	1		03/22/16 18:52	79-01-6	
Trichlorofluoromethane	ND	ug/kg	8.0	3.5	1		03/22/16 18:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	8.0	2.6	1		03/22/16 18:52	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	8.0	3.2	1		03/22/16 18:52	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	8.0	2.9	1		03/22/16 18:52	108-67-8	
Vinyl acetate	ND	ug/kg	80.1	14.1	1		03/22/16 18:52	108-05-4	
Vinyl chloride	ND	ug/kg	16.0	2.9	1		03/22/16 18:52	75-01-4	
Xylene (Total)	ND	ug/kg	16.0	5.8	1		03/22/16 18:52	1330-20-7	
m&p-Xylene	ND	ug/kg	16.0	5.8	1		03/22/16 18:52	179601-23-1	
o-Xylene	ND	ug/kg	8.0	3.0	1		03/22/16 18:52	95-47-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		03/22/16 18:52	2037-26-5	1g
4-Bromofluorobenzene (S)	90	%	70-130		1		03/22/16 18:52	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-132		1		03/22/16 18:52	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	37.6	%	0.10	0.10	1		03/21/16 09:11		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	7.0	Std. Units	0.10	0.10	1		03/23/16 15:00		H6

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CHARLOTTE MOTOR SPEEDWAY LF
Pace Project No.: 92290648

QC Batch: MERP/9117 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 92290648001

METHOD BLANK: 1692019 Matrix: Solid
Associated Lab Samples: 92290648001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	0.00010	03/24/16 15:09	

LABORATORY CONTROL SAMPLE: 1692020

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.069	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1692021 1692022

Parameter	Units	92290598001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Mercury	mg/kg	0.014	.044	.053	0.052	0.073	85	110	75-125	34	20	R1	

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QUALITY CONTROL DATA

Project: CHARLOTTE MOTOR SPEEDWAY LF
Pace Project No.: 92290648

QC Batch: MPRP/21042 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 92290648001

METHOD BLANK: 1691213 Matrix: Solid
Associated Lab Samples: 92290648001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	0.50	03/23/16 05:00	
Barium	mg/kg	ND	0.50	0.25	03/23/16 05:00	
Cadmium	mg/kg	ND	0.10	0.050	03/23/16 05:00	
Chromium	mg/kg	ND	0.50	0.25	03/23/16 05:00	
Lead	mg/kg	ND	0.50	0.25	03/23/16 05:00	
Selenium	mg/kg	ND	1.0	0.50	03/23/16 05:00	
Silver	mg/kg	ND	0.50	0.25	03/23/16 05:00	

LABORATORY CONTROL SAMPLE: 1691214

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	47.0	94	80-120	
Barium	mg/kg	50	46.9	94	80-120	
Cadmium	mg/kg	50	47.5	95	80-120	
Chromium	mg/kg	50	46.5	93	80-120	
Lead	mg/kg	50	47.3	95	80-120	
Selenium	mg/kg	50	47.9	96	80-120	
Silver	mg/kg	25	23.7	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1691215 1691216

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		92290661003 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
Arsenic	mg/kg	1.3	59.3	50.7	56.4	47.0	93	90	75-125	18	20	
Barium	mg/kg	21.4	59.3	50.7	63.7	60.6	71	78	75-125	5	20	M1
Cadmium	mg/kg	ND	59.3	50.7	54.4	46.1	92	91	75-125	17	20	
Chromium	mg/kg	3.4	59.3	50.7	52.9	47.3	83	87	75-125	11	20	
Lead	mg/kg	4.6	59.3	50.7	49.4	43.5	76	77	75-125	13	20	
Selenium	mg/kg	ND	59.3	50.7	53.9	45.5	91	90	75-125	17	20	
Silver	mg/kg	ND	29.7	25.3	28.7	24.0	97	95	75-125	18	20	

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QUALITY CONTROL DATA

Project: CHARLOTTE MOTOR SPEEDWAY LF

Pace Project No.: 92290648

QC Batch: MSV/36090

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5030 Low

Associated Lab Samples: 92290648001

METHOD BLANK: 1692333

Matrix: Solid

Associated Lab Samples: 92290648001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	7.5	3.2	03/22/16 16:53	
1,1,1-Trichloroethane	ug/kg	ND	7.5	2.7	03/22/16 16:53	
1,1,2,2-Tetrachloroethane	ug/kg	ND	7.5	2.9	03/22/16 16:53	
1,1,2-Trichloroethane	ug/kg	ND	7.5	3.2	03/22/16 16:53	
1,1-Dichloroethane	ug/kg	ND	7.5	2.3	03/22/16 16:53	
1,1-Dichloroethene	ug/kg	ND	7.5	2.7	03/22/16 16:53	
1,1-Dichloropropene	ug/kg	ND	7.5	2.3	03/22/16 16:53	
1,2,3-Trichlorobenzene	ug/kg	ND	7.5	3.3	03/22/16 16:53	
1,2,3-Trichloropropane	ug/kg	ND	7.5	2.4	03/22/16 16:53	
1,2,4-Trichlorobenzene	ug/kg	ND	7.5	2.4	03/22/16 16:53	
1,2,4-Trimethylbenzene	ug/kg	ND	7.5	3.0	03/22/16 16:53	
1,2-Dibromo-3-chloropropane	ug/kg	ND	7.5	5.4	03/22/16 16:53	
1,2-Dibromoethane (EDB)	ug/kg	ND	7.5	2.7	03/22/16 16:53	
1,2-Dichlorobenzene	ug/kg	ND	7.5	2.9	03/22/16 16:53	
1,2-Dichloroethane	ug/kg	ND	7.5	3.3	03/22/16 16:53	
1,2-Dichloropropane	ug/kg	ND	7.5	2.6	03/22/16 16:53	
1,3,5-Trimethylbenzene	ug/kg	ND	7.5	2.7	03/22/16 16:53	
1,3-Dichlorobenzene	ug/kg	ND	7.5	3.0	03/22/16 16:53	
1,3-Dichloropropane	ug/kg	ND	7.5	2.9	03/22/16 16:53	
1,4-Dichlorobenzene	ug/kg	ND	7.5	2.6	03/22/16 16:53	
2,2-Dichloropropane	ug/kg	ND	7.5	2.6	03/22/16 16:53	
2-Butanone (MEK)	ug/kg	ND	151	4.4	03/22/16 16:53	
2-Chlorotoluene	ug/kg	ND	7.5	2.6	03/22/16 16:53	
2-Hexanone	ug/kg	ND	75.3	5.9	03/22/16 16:53	
4-Chlorotoluene	ug/kg	ND	7.5	2.7	03/22/16 16:53	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	75.3	5.6	03/22/16 16:53	
Acetone	ug/kg	ND	151	15.1	03/22/16 16:53	
Benzene	ug/kg	ND	7.5	2.4	03/22/16 16:53	
Bromobenzene	ug/kg	ND	7.5	3.0	03/22/16 16:53	
Bromochloromethane	ug/kg	ND	7.5	2.6	03/22/16 16:53	
Bromodichloromethane	ug/kg	ND	7.5	2.9	03/22/16 16:53	
Bromoform	ug/kg	ND	7.5	3.5	03/22/16 16:53	
Bromomethane	ug/kg	ND	15.1	3.8	03/22/16 16:53	
Carbon tetrachloride	ug/kg	ND	7.5	3.9	03/22/16 16:53	
Chlorobenzene	ug/kg	ND	7.5	2.9	03/22/16 16:53	
Chloroethane	ug/kg	ND	15.1	3.6	03/22/16 16:53	
Chloroform	ug/kg	ND	7.5	2.4	03/22/16 16:53	
Chloromethane	ug/kg	ND	15.1	3.6	03/22/16 16:53	
cis-1,2-Dichloroethene	ug/kg	ND	7.5	2.1	03/22/16 16:53	
cis-1,3-Dichloropropene	ug/kg	ND	7.5	2.7	03/22/16 16:53	
Dibromochloromethane	ug/kg	ND	7.5	2.7	03/22/16 16:53	

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QUALITY CONTROL DATA

Project: CHARLOTTE MOTOR SPEEDWAY LF

Pace Project No.: 92290648

METHOD BLANK: 1692333

Matrix: Solid

Associated Lab Samples: 92290648001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	7.5	3.8	03/22/16 16:53	
Dichlorodifluoromethane	ug/kg	ND	15.1	5.4	03/22/16 16:53	
Diisopropyl ether	ug/kg	ND	7.5	2.6	03/22/16 16:53	
Ethylbenzene	ug/kg	ND	7.5	2.7	03/22/16 16:53	
Hexachloro-1,3-butadiene	ug/kg	ND	7.5	3.0	03/22/16 16:53	
Isopropylbenzene (Cumene)	ug/kg	ND	7.5	2.9	03/22/16 16:53	
m&p-Xylene	ug/kg	ND	15.1	5.4	03/22/16 16:53	
Methyl-tert-butyl ether	ug/kg	ND	7.5	2.3	03/22/16 16:53	
Methylene Chloride	ug/kg	ND	30.1	4.5	03/22/16 16:53	
n-Butylbenzene	ug/kg	ND	7.5	2.7	03/22/16 16:53	
n-Propylbenzene	ug/kg	ND	7.5	2.6	03/22/16 16:53	
Naphthalene	ug/kg	ND	7.5	1.8	03/22/16 16:53	
o-Xylene	ug/kg	ND	7.5	2.9	03/22/16 16:53	
p-Isopropyltoluene	ug/kg	ND	7.5	2.6	03/22/16 16:53	
sec-Butylbenzene	ug/kg	ND	7.5	2.4	03/22/16 16:53	
Styrene	ug/kg	ND	7.5	2.7	03/22/16 16:53	
tert-Butylbenzene	ug/kg	ND	7.5	3.0	03/22/16 16:53	
Tetrachloroethene	ug/kg	ND	7.5	2.6	03/22/16 16:53	
Toluene	ug/kg	ND	7.5	2.7	03/22/16 16:53	
trans-1,2-Dichloroethene	ug/kg	ND	7.5	2.9	03/22/16 16:53	
trans-1,3-Dichloropropene	ug/kg	ND	7.5	2.3	03/22/16 16:53	
Trichloroethene	ug/kg	ND	7.5	3.2	03/22/16 16:53	
Trichlorofluoromethane	ug/kg	ND	7.5	3.3	03/22/16 16:53	
Vinyl acetate	ug/kg	ND	75.3	13.3	03/22/16 16:53	
Vinyl chloride	ug/kg	ND	15.1	2.7	03/22/16 16:53	
Xylene (Total)	ug/kg	ND	15.1	5.4	03/22/16 16:53	
1,2-Dichloroethane-d4 (S)	%	115	70-132		03/22/16 16:53	
4-Bromofluorobenzene (S)	%	96	70-130		03/22/16 16:53	
Toluene-d8 (S)	%	100	70-130		03/22/16 16:53	

LABORATORY CONTROL SAMPLE: 1692334

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	67.4	66.9	99	74-137	
1,1,1-Trichloroethane	ug/kg	67.4	71.8	107	67-140	
1,1,2,2-Tetrachloroethane	ug/kg	67.4	68.2	101	72-141	
1,1,2-Trichloroethane	ug/kg	67.4	68.8	102	78-138	
1,1-Dichloroethane	ug/kg	67.4	70.5	105	69-134	
1,1-Dichloroethene	ug/kg	67.4	73.0	108	67-138	
1,1-Dichloropropene	ug/kg	67.4	73.4	109	69-139	
1,2,3-Trichlorobenzene	ug/kg	67.4	66.7	99	70-146	
1,2,3-Trichloropropane	ug/kg	67.4	67.8	101	69-144	
1,2,4-Trichlorobenzene	ug/kg	67.4	67.3	100	68-148	
1,2,4-Trimethylbenzene	ug/kg	67.4	70.1	104	74-137	

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QUALITY CONTROL DATA

Project: CHARLOTTE MOTOR SPEEDWAY LF

Pace Project No.: 92290648

LABORATORY CONTROL SAMPLE: 1692334

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/kg	67.4	68.7	102	65-140	
1,2-Dibromoethane (EDB)	ug/kg	67.4	68.9	102	77-135	
1,2-Dichlorobenzene	ug/kg	67.4	67.0	99	77-141	
1,2-Dichloroethane	ug/kg	67.4	68.7	102	65-137	
1,2-Dichloropropane	ug/kg	67.4	70.3	104	72-136	
1,3,5-Trimethylbenzene	ug/kg	67.4	68.8	102	76-133	
1,3-Dichlorobenzene	ug/kg	67.4	68.7	102	74-138	
1,3-Dichloropropane	ug/kg	67.4	69.4	103	71-139	
1,4-Dichlorobenzene	ug/kg	67.4	69.1	103	76-138	
2,2-Dichloropropane	ug/kg	67.4	71.1	106	68-137	
2-Butanone (MEK)	ug/kg	135	149	111	58-147	
2-Chlorotoluene	ug/kg	67.4	68.3	101	73-139	
2-Hexanone	ug/kg	135	147	109	62-145	
4-Chlorotoluene	ug/kg	67.4	68.8	102	76-141	
4-Methyl-2-pentanone (MIBK)	ug/kg	135	153	113	64-149	
Acetone	ug/kg	135	156	116	53-153	
Benzene	ug/kg	67.4	71.0	105	73-135	
Bromobenzene	ug/kg	67.4	68.9	102	75-133	
Bromochloromethane	ug/kg	67.4	74.3	110	73-134	
Bromodichloromethane	ug/kg	67.4	69.5	103	71-135	
Bromoform	ug/kg	67.4	66.4	99	66-141	
Bromomethane	ug/kg	67.4	77.6	115	53-160	
Carbon tetrachloride	ug/kg	67.4	69.3	103	60-145	
Chlorobenzene	ug/kg	67.4	67.0	99	78-130	
Chloroethane	ug/kg	67.4	80.0	119	64-149	
Chloroform	ug/kg	67.4	72.1	107	70-134	
Chloromethane	ug/kg	67.4	80.8	120	52-150	
cis-1,2-Dichloroethene	ug/kg	67.4	72.1	107	70-133	
cis-1,3-Dichloropropene	ug/kg	67.4	72.2	107	68-134	
Dibromochloromethane	ug/kg	67.4	67.9	101	71-138	
Dibromomethane	ug/kg	67.4	68.8	102	74-130	
Dichlorodifluoromethane	ug/kg	67.4	72.7	108	40-160	
Diisopropyl ether	ug/kg	67.4	74.4	110	69-141	
Ethylbenzene	ug/kg	67.4	69.0	102	75-133	
Hexachloro-1,3-butadiene	ug/kg	67.4	64.2	95	68-143	
Isopropylbenzene (Cumene)	ug/kg	67.4	67.8	101	76-143	
m&p-Xylene	ug/kg	135	136	101	75-136	
Methyl-tert-butyl ether	ug/kg	67.4	73.4	109	68-144	
Methylene Chloride	ug/kg	67.4	76.5	114	45-154	
n-Butylbenzene	ug/kg	67.4	71.5	106	72-137	
n-Propylbenzene	ug/kg	67.4	69.0	102	76-136	
Naphthalene	ug/kg	67.4	70.3	104	68-151	
o-Xylene	ug/kg	67.4	65.5	97	76-141	
p-Isopropyltoluene	ug/kg	67.4	68.4	102	76-140	
sec-Butylbenzene	ug/kg	67.4	67.8	101	79-139	
Styrene	ug/kg	67.4	68.5	102	79-137	
tert-Butylbenzene	ug/kg	67.4	61.8	92	74-143	

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QUALITY CONTROL DATA

Project: CHARLOTTE MOTOR SPEEDWAY LF

Pace Project No.: 92290648

LABORATORY CONTROL SAMPLE: 1692334

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/kg	67.4	54.0	80	71-138	
Toluene	ug/kg	67.4	71.2	106	74-131	
trans-1,2-Dichloroethene	ug/kg	67.4	73.4	109	67-135	
trans-1,3-Dichloropropene	ug/kg	67.4	70.0	104	65-146	
Trichloroethene	ug/kg	67.4	68.3	101	67-135	
Trichlorofluoromethane	ug/kg	67.4	76.9	114	59-144	
Vinyl acetate	ug/kg	135	150	111	40-160	F3
Vinyl chloride	ug/kg	67.4	79.6	118	56-141	
Xylene (Total)	ug/kg	202	201	100	76-137	
1,2-Dichloroethane-d4 (S)	%			106	70-132	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			101	70-130	

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QUALITY CONTROL DATA

Project: CHARLOTTE MOTOR SPEEDWAY LF

Pace Project No.: 92290648

QC Batch: OEXT/41489

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 Solid MSSV Microwave

Associated Lab Samples: 92290648001

METHOD BLANK: 1690801

Matrix: Solid

Associated Lab Samples: 92290648001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	330	64.0	03/22/16 12:01	
1,2-Dichlorobenzene	ug/kg	ND	330	88.0	03/22/16 12:01	
1,3-Dichlorobenzene	ug/kg	ND	330	75.0	03/22/16 12:01	
1,4-Dichlorobenzene	ug/kg	ND	330	93.0	03/22/16 12:01	
1-Methylnaphthalene	ug/kg	ND	330	86.0	03/22/16 12:01	
2,4,5-Trichlorophenol	ug/kg	ND	330	102	03/22/16 12:01	
2,4,6-Trichlorophenol	ug/kg	ND	330	73.0	03/22/16 12:01	
2,4-Dichlorophenol	ug/kg	ND	330	72.0	03/22/16 12:01	
2,4-Dimethylphenol	ug/kg	ND	330	130	03/22/16 12:01	
2,4-Dinitrophenol	ug/kg	ND	1650	54.0	03/22/16 12:01	
2,4-Dinitrotoluene	ug/kg	ND	330	62.0	03/22/16 12:01	
2,6-Dinitrotoluene	ug/kg	ND	330	69.0	03/22/16 12:01	
2-Chloronaphthalene	ug/kg	ND	330	65.0	03/22/16 12:01	
2-Chlorophenol	ug/kg	ND	330	90.0	03/22/16 12:01	
2-Methylnaphthalene	ug/kg	ND	330	71.0	03/22/16 12:01	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	100	03/22/16 12:01	
2-Nitroaniline	ug/kg	ND	1650	102	03/22/16 12:01	
2-Nitrophenol	ug/kg	ND	330	80.0	03/22/16 12:01	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	130	03/22/16 12:01	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	72.0	03/22/16 12:01	
3-Nitroaniline	ug/kg	ND	1650	90.0	03/22/16 12:01	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	66.0	03/22/16 12:01	
4-Bromophenylphenyl ether	ug/kg	ND	330	60.0	03/22/16 12:01	
4-Chloro-3-methylphenol	ug/kg	ND	660	68.0	03/22/16 12:01	
4-Chloroaniline	ug/kg	ND	1650	92.0	03/22/16 12:01	
4-Chlorophenylphenyl ether	ug/kg	ND	330	68.0	03/22/16 12:01	
4-Nitroaniline	ug/kg	ND	660	93.0	03/22/16 12:01	
4-Nitrophenol	ug/kg	ND	1650	59.0	03/22/16 12:01	
Acenaphthene	ug/kg	ND	330	76.0	03/22/16 12:01	
Acenaphthylene	ug/kg	ND	330	78.0	03/22/16 12:01	
Aniline	ug/kg	ND	330	89.0	03/22/16 12:01	
Anthracene	ug/kg	ND	330	74.0	03/22/16 12:01	
Benzo(a)anthracene	ug/kg	ND	330	61.0	03/22/16 12:01	
Benzo(a)pyrene	ug/kg	ND	330	63.0	03/22/16 12:01	
Benzo(b)fluoranthene	ug/kg	ND	330	57.0	03/22/16 12:01	
Benzo(g,h,i)perylene	ug/kg	ND	330	84.0	03/22/16 12:01	
Benzo(k)fluoranthene	ug/kg	ND	330	65.0	03/22/16 12:01	
Benzoic Acid	ug/kg	ND	1650	60.0	03/22/16 12:01	
Benzyl alcohol	ug/kg	ND	660	66.0	03/22/16 12:01	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	77.0	03/22/16 12:01	
bis(2-Chloroethyl) ether	ug/kg	ND	330	84.0	03/22/16 12:01	

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QUALITY CONTROL DATA

Project: CHARLOTTE MOTOR SPEEDWAY LF

Pace Project No.: 92290648

METHOD BLANK: 1690801

Matrix: Solid

Associated Lab Samples: 92290648001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	88.0	03/22/16 12:01	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	90.0	03/22/16 12:01	
Butylbenzylphthalate	ug/kg	ND	330	70.0	03/22/16 12:01	
Chrysene	ug/kg	ND	330	44.0	03/22/16 12:01	
Di-n-butylphthalate	ug/kg	ND	330	54.0	03/22/16 12:01	
Di-n-octylphthalate	ug/kg	ND	330	69.0	03/22/16 12:01	
Dibenz(a,h)anthracene	ug/kg	ND	330	70.0	03/22/16 12:01	
Dibenzofuran	ug/kg	ND	330	54.0	03/22/16 12:01	
Diethylphthalate	ug/kg	ND	330	51.0	03/22/16 12:01	
Dimethylphthalate	ug/kg	ND	330	67.0	03/22/16 12:01	
Fluoranthene	ug/kg	ND	330	48.0	03/22/16 12:01	
Fluorene	ug/kg	ND	330	68.0	03/22/16 12:01	
Hexachloro-1,3-butadiene	ug/kg	ND	330	57.0	03/22/16 12:01	
Hexachlorobenzene	ug/kg	ND	330	42.0	03/22/16 12:01	
Hexachlorocyclopentadiene	ug/kg	ND	330	61.0	03/22/16 12:01	
Hexachloroethane	ug/kg	ND	330	87.0	03/22/16 12:01	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	68.0	03/22/16 12:01	
Isophorone	ug/kg	ND	330	74.0	03/22/16 12:01	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	63.0	03/22/16 12:01	
N-Nitrosodimethylamine	ug/kg	ND	330	107	03/22/16 12:01	
N-Nitrosodiphenylamine	ug/kg	ND	330	98.0	03/22/16 12:01	
Naphthalene	ug/kg	ND	330	81.0	03/22/16 12:01	
Nitrobenzene	ug/kg	ND	330	90.0	03/22/16 12:01	
Pentachlorophenol	ug/kg	ND	1650	60.0	03/22/16 12:01	
Phenanthrene	ug/kg	ND	330	55.0	03/22/16 12:01	
Phenol	ug/kg	ND	330	99.0	03/22/16 12:01	
Pyrene	ug/kg	ND	330	56.0	03/22/16 12:01	
2,4,6-Tribromophenol (S)	%	77	27-110		03/22/16 12:01	
2-Fluorobiphenyl (S)	%	79	30-110		03/22/16 12:01	
2-Fluorophenol (S)	%	81	13-110		03/22/16 12:01	
Nitrobenzene-d5 (S)	%	79	23-110		03/22/16 12:01	
Phenol-d6 (S)	%	92	22-110		03/22/16 12:01	
Terphenyl-d14 (S)	%	101	28-110		03/22/16 12:01	

LABORATORY CONTROL SAMPLE: 1690802

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1320	79	36-120	
1,2-Dichlorobenzene	ug/kg	1670	1380	83	41-120	
1,3-Dichlorobenzene	ug/kg	1670	1350	81	66-120	
1,4-Dichlorobenzene	ug/kg	1670	1350	81	42-120	
1-Methylnaphthalene	ug/kg	1670	1330	80	40-120	
2,4,5-Trichlorophenol	ug/kg	1670	1440	86	37-120	
2,4,6-Trichlorophenol	ug/kg	1670	1530	92	40-120	

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QUALITY CONTROL DATA

Project: CHARLOTTE MOTOR SPEEDWAY LF

Pace Project No.: 92290648

LABORATORY CONTROL SAMPLE: 1690802

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dichlorophenol	ug/kg	1670	1480	89	33-120	
2,4-Dimethylphenol	ug/kg	1670	1550	93	36-120	
2,4-Dinitrophenol	ug/kg	8330	7220	87	22-121	
2,4-Dinitrotoluene	ug/kg	1670	1570	94	60-120	
2,6-Dinitrotoluene	ug/kg	1670	1500	90	54-120	
2-Chloronaphthalene	ug/kg	1670	1410	84	41-120	
2-Chlorophenol	ug/kg	1670	1590	95	39-120	
2-Methylnaphthalene	ug/kg	1670	1310	78	26-120	
2-Methylphenol(o-Cresol)	ug/kg	1670	1530	92	41-120	
2-Nitroaniline	ug/kg	3330	2860	86	45-120	
2-Nitrophenol	ug/kg	1670	1520	91	35-120	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1520	91	35-120	
3,3'-Dichlorobenzidine	ug/kg	3330	2680	80	16-125	
3-Nitroaniline	ug/kg	3330	2710	81	45-120	
4,6-Dinitro-2-methylphenol	ug/kg	3330	3090	93	46-120	
4-Bromophenylphenyl ether	ug/kg	1670	1300	78	36-120	
4-Chloro-3-methylphenol	ug/kg	3330	3270	98	37-120	
4-Chloroaniline	ug/kg	3330	2490	75	35-120	
4-Chlorophenylphenyl ether	ug/kg	1670	1360	82	30-120	
4-Nitroaniline	ug/kg	3330	2970	89	48-120	
4-Nitrophenol	ug/kg	8330	8620	103	43-120	
Acenaphthene	ug/kg	1670	1340	80	46-120	
Acenaphthylene	ug/kg	1670	1460	87	46-120	
Aniline	ug/kg	1670	1440	86	33-120	
Anthracene	ug/kg	1670	1380	83	63-120	
Benzo(a)anthracene	ug/kg	1670	1440	86	61-120	
Benzo(a)pyrene	ug/kg	1670	1460	88	59-120	
Benzo(b)fluoranthene	ug/kg	1670	1320	79	55-120	
Benzo(g,h,i)perylene	ug/kg	1670	1420	85	57-120	
Benzo(k)fluoranthene	ug/kg	1670	1320	79	56-120	
Benzoic Acid	ug/kg	8330	5930	71	13-120	
Benzyl alcohol	ug/kg	3330	3180	95	34-120	
bis(2-Chloroethoxy)methane	ug/kg	1670	1310	79	21-120	
bis(2-Chloroethyl) ether	ug/kg	1670	1400	84	25-120	
bis(2-Chloroisopropyl) ether	ug/kg	1670	1200	72	13-120	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1500	90	56-123	
Butylbenzylphthalate	ug/kg	1670	1500	90	57-120	
Chrysene	ug/kg	1670	1380	83	64-120	
Di-n-butylphthalate	ug/kg	1670	1470	88	58-120	
Di-n-octylphthalate	ug/kg	1670	1250	75	47-121	
Dibenz(a,h)anthracene	ug/kg	1670	1400	84	56-120	
Dibenzofuran	ug/kg	1670	1450	87	43-120	
Diethylphthalate	ug/kg	1670	1390	84	55-120	
Dimethylphthalate	ug/kg	1670	1430	86	54-120	
Fluoranthene	ug/kg	1670	1360	81	61-120	
Fluorene	ug/kg	1670	1410	84	51-120	
Hexachloro-1,3-butadiene	ug/kg	1670	1220	73	22-120	

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QUALITY CONTROL DATA

Project: CHARLOTTE MOTOR SPEEDWAY LF

Pace Project No.: 92290648

LABORATORY CONTROL SAMPLE: 1690802

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorobenzene	ug/kg	1670	1370	82	53-120	
Hexachlorocyclopentadiene	ug/kg	1670	1280	77	18-150	
Hexachloroethane	ug/kg	1670	1370	82	39-120	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1530	92	58-120	
Isophorone	ug/kg	1670	1370	82	38-120	
N-Nitroso-di-n-propylamine	ug/kg	1670	1540	92	30-120	
N-Nitrosodimethylamine	ug/kg	1670	1580	95	32-120	
N-Nitrosodiphenylamine	ug/kg	1670	1360	81	50-120	
Naphthalene	ug/kg	1670	1310	79	38-120	
Nitrobenzene	ug/kg	1670	1400	84	37-120	
Pentachlorophenol	ug/kg	3330	2900	87	10-120	
Phenanthrene	ug/kg	1670	1380	83	62-120	
Phenol	ug/kg	1670	1840	110	37-120	
Pyrene	ug/kg	1670	1470	88	63-120	
2,4,6-Tribromophenol (S)	%			92	27-110	
2-Fluorobiphenyl (S)	%			81	30-110	
2-Fluorophenol (S)	%			93	13-110	
Nitrobenzene-d5 (S)	%			88	23-110	
Phenol-d6 (S)	%			102	22-110	
Terphenyl-d14 (S)	%			88	28-110	

MATRIX SPIKE SAMPLE: 1690803

Parameter	Units	92290490001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	2270	1660	73	18-119	
1,2-Dichlorobenzene	ug/kg	ND	2270	1710	75	50-110	
1,3-Dichlorobenzene	ug/kg	ND	2270	1750	78	27-110	
1,4-Dichlorobenzene	ug/kg	ND	2270	1720	76	28-110	
1-Methylnaphthalene	ug/kg	ND	2270	1530	68	24-116	
2,4,5-Trichlorophenol	ug/kg	ND	2270	1700	75	28-110	
2,4,6-Trichlorophenol	ug/kg	ND	2270	1880	83	17-117	
2,4-Dichlorophenol	ug/kg	ND	2270	1700	75	21-128	
2,4-Dimethylphenol	ug/kg	ND	2270	1660	73	10-120	
2,4-Dinitrophenol	ug/kg	ND	11300	925J	8	10-107 M1	
2,4-Dinitrotoluene	ug/kg	ND	2270	1590	70	36-109	
2,6-Dinitrotoluene	ug/kg	ND	2270	1590	70	32-110	
2-Chloronaphthalene	ug/kg	ND	2270	1610	71	30-107	
2-Chlorophenol	ug/kg	ND	2270	1910	85	14-106	
2-Methylnaphthalene	ug/kg	ND	2270	1510	67	10-135	
2-Methylphenol(o-Cresol)	ug/kg	ND	2270	1760	78	10-124	
2-Nitroaniline	ug/kg	ND	4520	2600	57	26-116	
2-Nitrophenol	ug/kg	ND	2270	1400	62	28-103	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	2270	1570	69	10-109	
3,3'-Dichlorobenzidine	ug/kg	ND	4520	3780	84	10-150	
3-Nitroaniline	ug/kg	ND	4520	2380	53	22-110	

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QUALITY CONTROL DATA

Project: CHARLOTTE MOTOR SPEEDWAY LF

Pace Project No.: 92290648

MATRIX SPIKE SAMPLE: 1690803		92290490001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
4,6-Dinitro-2-methylphenol	ug/kg	ND	4520	2270	50	13-121	
4-Bromophenylphenyl ether	ug/kg	ND	2270	1780	79	31-109	
4-Chloro-3-methylphenol	ug/kg	ND	4520	3600	80	13-128	
4-Chloroaniline	ug/kg	ND	4520	2940	65	18-102	
4-Chlorophenylphenyl ether	ug/kg	ND	2270	1690	75	29-112	
4-Nitroaniline	ug/kg	ND	4520	2490	55	16-111	
4-Nitrophenol	ug/kg	ND	11300	7510	66	14-135	
Acenaphthene	ug/kg	ND	2270	1470	65	26-114	
Acenaphthylene	ug/kg	ND	2270	1560	69	32-108	
Aniline	ug/kg	ND	2270	1670	74	10-107	
Anthracene	ug/kg	ND	2270	1610	71	32-111	
Benzo(a)anthracene	ug/kg	ND	2270	1780	79	25-117	
Benzo(a)pyrene	ug/kg	ND	2270	1660	73	25-106	
Benzo(b)fluoranthene	ug/kg	ND	2270	1590	70	24-110	
Benzo(g,h,i)perylene	ug/kg	ND	2270	1570	69	19-112	
Benzo(k)fluoranthene	ug/kg	ND	2270	1510	67	24-114	
Benzoic Acid	ug/kg	ND	11300	1180J	10	10-110	
Benzyl alcohol	ug/kg	ND	4520	3190	71	24-106	
bis(2-Chloroethoxy)methane	ug/kg	ND	2270	1470	65	13-119	
bis(2-Chloroethyl) ether	ug/kg	ND	2270	1700	75	10-134	
bis(2-Chloroisopropyl) ether	ug/kg	ND	2270	1040	46	10-113	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	2270	2070	92	10-125	
Butylbenzylphthalate	ug/kg	ND	2270	2090	93	18-110	
Chrysene	ug/kg	ND	2270	1740	77	30-110	
Di-n-butylphthalate	ug/kg	ND	2270	1880	83	19-112	
Di-n-octylphthalate	ug/kg	ND	2270	1890	84	17-105	
Dibenz(a,h)anthracene	ug/kg	ND	2270	1600	71	23-111	
Dibenzofuran	ug/kg	ND	2270	1720	76	35-103	
Diethylphthalate	ug/kg	ND	2270	1770	78	27-113	
Dimethylphthalate	ug/kg	ND	2270	1740	77	26-111	
Fluoranthene	ug/kg	ND	2270	1660	73	33-109	
Fluorene	ug/kg	ND	2270	1670	74	32-113	
Hexachloro-1,3-butadiene	ug/kg	ND	2270	1710	76	16-116	
Hexachlorobenzene	ug/kg	ND	2270	1720	76	27-120	
Hexachlorocyclopentadiene	ug/kg	ND	2270	1200	53	10-108	
Hexachloroethane	ug/kg	ND	2270	1880	83	10-117	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	2270	1790	79	10-122	
Isophorone	ug/kg	ND	2270	1410	62	28-114	
N-Nitroso-di-n-propylamine	ug/kg	ND	2270	1550	69	27-113	
N-Nitrosodimethylamine	ug/kg	ND	2270	1520	67	10-109	
N-Nitrosodiphenylamine	ug/kg	ND	2270	1590	70	10-128	
Naphthalene	ug/kg	ND	2270	1470	65	25-110	
Nitrobenzene	ug/kg	ND	2270	1340	59	18-114	
Pentachlorophenol	ug/kg	ND	4520	3540	78	10-122	
Phenanthrene	ug/kg	ND	2270	1590	70	30-114	
Phenol	ug/kg	ND	2270	1810	80	11-102	
Pyrene	ug/kg	ND	2270	1640	73	25-116	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CHARLOTTE MOTOR SPEEDWAY LF

Pace Project No.: 92290648

MATRIX SPIKE SAMPLE: 1690803

Parameter	Units	92290490001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
2,4,6-Tribromophenol (S)	%				83	27-110	
2-Fluorobiphenyl (S)	%				66	30-110	
2-Fluorophenol (S)	%				77	13-110	
Nitrobenzene-d5 (S)	%				62	23-110	
Phenol-d6 (S)	%				73	22-110	
Terphenyl-d14 (S)	%				80	28-110	

SAMPLE DUPLICATE: 1690804

Parameter	Units	92290490001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
1-Methylnaphthalene	ug/kg	ND	ND		30	
2,4,5-Trichlorophenol	ug/kg	ND	ND		30	
2,4,6-Trichlorophenol	ug/kg	ND	ND		30	
2,4-Dichlorophenol	ug/kg	ND	ND		30	
2,4-Dimethylphenol	ug/kg	ND	ND		30	
2,4-Dinitrophenol	ug/kg	ND	ND		30	
2,4-Dinitrotoluene	ug/kg	ND	ND		30	
2,6-Dinitrotoluene	ug/kg	ND	ND		30	
2-Chloronaphthalene	ug/kg	ND	ND		30	
2-Chlorophenol	ug/kg	ND	ND		30	
2-Methylnaphthalene	ug/kg	ND	ND		30	
2-Methylphenol(o-Cresol)	ug/kg	ND	ND		30	
2-Nitroaniline	ug/kg	ND	ND		30	
2-Nitrophenol	ug/kg	ND	ND		30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	ND		30	
3,3'-Dichlorobenzidine	ug/kg	ND	ND		30	
3-Nitroaniline	ug/kg	ND	ND		30	
4,6-Dinitro-2-methylphenol	ug/kg	ND	ND		30	
4-Bromophenylphenyl ether	ug/kg	ND	ND		30	
4-Chloro-3-methylphenol	ug/kg	ND	ND		30	
4-Chloroaniline	ug/kg	ND	ND		30	
4-Chlorophenylphenyl ether	ug/kg	ND	ND		30	
4-Nitroaniline	ug/kg	ND	ND		30	
4-Nitrophenol	ug/kg	ND	ND		30	
Acenaphthene	ug/kg	ND	ND		30	
Acenaphthylene	ug/kg	ND	ND		30	
Aniline	ug/kg	ND	ND		30	
Anthracene	ug/kg	ND	ND		30	
Benzo(a)anthracene	ug/kg	ND	ND		30	
Benzo(a)pyrene	ug/kg	ND	ND		30	
Benzo(b)fluoranthene	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: CHARLOTTE MOTOR SPEEDWAY LF

Pace Project No.: 92290648

SAMPLE DUPLICATE: 1690804

Parameter	Units	92290490001 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzo(g,h,i)perylene	ug/kg	ND	ND		30	
Benzo(k)fluoranthene	ug/kg	ND	ND		30	
Benzoic Acid	ug/kg	ND	ND		30	
Benzyl alcohol	ug/kg	ND	ND		30	
bis(2-Chloroethoxy)methane	ug/kg	ND	ND		30	
bis(2-Chloroethyl) ether	ug/kg	ND	ND		30	
bis(2-Chloroisopropyl) ether	ug/kg	ND	ND		30	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	ND		30	
Butylbenzylphthalate	ug/kg	ND	ND		30	
Chrysene	ug/kg	ND	ND		30	
Di-n-butylphthalate	ug/kg	ND	ND		30	
Di-n-octylphthalate	ug/kg	ND	ND		30	
Dibenz(a,h)anthracene	ug/kg	ND	ND		30	
Dibenzofuran	ug/kg	ND	ND		30	
Diethylphthalate	ug/kg	ND	ND		30	
Dimethylphthalate	ug/kg	ND	ND		30	
Fluoranthene	ug/kg	ND	ND		30	
Fluorene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Hexachlorobenzene	ug/kg	ND	ND		30	
Hexachlorocyclopentadiene	ug/kg	ND	ND		30	
Hexachloroethane	ug/kg	ND	ND		30	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	ND		30	
Isophorone	ug/kg	ND	ND		30	
N-Nitroso-di-n-propylamine	ug/kg	ND	ND		30	
N-Nitrosodimethylamine	ug/kg	ND	ND		30	
N-Nitrosodiphenylamine	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	ND		30	
Nitrobenzene	ug/kg	ND	ND		30	
Pentachlorophenol	ug/kg	ND	ND		30	
Phenanthrene	ug/kg	ND	ND		30	
Phenol	ug/kg	ND	ND		30	
Pyrene	ug/kg	ND	ND		30	
2,4,6-Tribromophenol (S)	%	74	82	11		
2-Fluorobiphenyl (S)	%	64	68	6		
2-Fluorophenol (S)	%	76	77	1		
Nitrobenzene-d5 (S)	%	64	76	17		
Phenol-d6 (S)	%	67	85	24		
Terphenyl-d14 (S)	%	93	88	7		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CHARLOTTE MOTOR SPEEDWAY LF

Pace Project No.: 92290648

QC Batch:	PMST/8899	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	92290648001		

SAMPLE DUPLICATE: 1690338

Parameter	Units	92290442001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	42.6	42.9	1	25	

SAMPLE DUPLICATE: 1690339

Parameter	Units	92290704001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	96.1	95.5	1	25	

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QUALITY CONTROL DATA

Project: CHARLOTTE MOTOR SPEEDWAY LF

Pace Project No.: 92290648

QC Batch: WET/43724 Analysis Method: EPA 9045

QC Batch Method: EPA 9045 Analysis Description: 9045 pH

Associated Lab Samples: 92290648001

SAMPLE DUPLICATE: 1691719

Parameter	Units	92290047002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	12.6	12.6	0	10	E,H6

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: CHARLOTTE MOTOR SPEEDWAY LF
Pace Project No.: 92290648

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether, Styrene, and Vinyl chloride.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-A Pace Analytical Services - Asheville

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

1g The sample was weighed and preserved in the laboratory from a soil jar. Sample was not preserved within 48 hours.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

F3 The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.

H6 Analysis initiated outside of the 15 minute EPA required holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CHARLOTTE MOTOR SPEEDWAY LF

Pace Project No.: 92290648

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92290648001	DRY LANDFILL DITCH	EPA 3050	MPRP/21042	EPA 6010	ICP/18933
92290648001	DRY LANDFILL DITCH	EPA 7471	MERP/9117	EPA 7471	MERC/8766
92290648001	DRY LANDFILL DITCH	EPA 3546	OEXT/41489	EPA 8270	MSSV/12027
92290648001	DRY LANDFILL DITCH	EPA 8260	MSV/36090		
92290648001	DRY LANDFILL DITCH	ASTM D2974-87	PMST/8899		
92290648001	DRY LANDFILL DITCH	EPA 9045	WET/43724		

REPORT OF LABORATORY ANALYSIS

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Document Name: Sample Condition Upon Receipt(SCUR)

Document Revised: 10/20/10 Page 1 of 2

Document No.: F-CHR-CS-003-rev.18

Issuing Authority: Pace Huntersville Quality Office

Page 2 of 2 for Internal Use ONLY

Sample Condition Upon Receipt

Client Name: Republic Services

Project WO#: 92290648

Courier: Fed Ex, UPS, USPS, Client, Commercial, Pace, Other



Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 7/17 3/18/16

Packing Material: Bubble Wrap, Bubble Bags, None, Other

Thermometer: T1505, Type of Ice: Wet, Blue, None, Samples on ice, cooling process has begun

Correction Factor: 0.0°C Cooler Temp Corrected (°C): N/A Biological Tissue Frozen? Yes No N/A

Temp should be above freezing to 6°C

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)?

Table with 2 columns: Question and Answer/Comments. Contains 16 rows of inspection criteria and a comments section.

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager SCURF Review: Date: 3/18/16

Project Manager SRF Review: Date: 0321/16

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers)

CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Company: Republic Services Address: _____
Section B Required Project Information: Report To: Mike Gurley Copy To: _____
Section C Invoice Information: Attention: _____ Company Name: _____
 Address: _____
 Pace Quote Reference: _____
 Pace Project Manager: Lynn Harrison
 Pace Profile #: 4411-2

Phone: 704-262-6019 Fax: _____
 Email To: _____ Purchase Order No.: _____
 Project Name: Charlotte Motor Speedway LF
 Project Number: _____
 Site Location STATE: NC
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER Soil

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Tissue TS Other OT	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test ↓	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
			COMPOSITE START	COMPOSITE END/GRAB			H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol				
1	Dry Landfill Ditch		DATE	TIME	DATE	TIME										902290648
2																601
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

ADDITIONAL COMMENTS: _____
 RELINQUISHED BY / AFFILIATION: Debra PACE DATE: 3/18/16 TIME: 1135
 ACCEPTED BY / AFFILIATION: Mike Gurley DATE: 3/18/16 TIME: 135
 SAMPLER NAME AND SIGNATURE: MIKE Gurley
 PRINT Name of SAMPLER: _____
 SIGNATURE of SAMPLER: _____
 DATE Signed (MM/DD/YY): 3/18/16
 Temp in °C: _____
 Received on Ice (Y/N): N
 Custody Sealed Cooler (Y/N): N
 Samples Intact (Y/N): Y

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.
 F-ALL-Q-020rev.07, 15-May-2007