

TRC Environmental Corporation

9225 US Hwy 183 S
Austin, TX 78747

ExxonMobil: SRU ICR Test

Project # 184380.0000.0000

PO # 35369

Analytical Report (0611-101)

EPA Method 18 Bags

1,3-Butadiene, Acetonitrile, Acrolein, Acetone, Acrylonitrile, Pentane,
Dichloromethane, Hexane, Benzene, Trichloroethene, Toluene,
1,2-Dibromoethane, Tetrachloroethene,
Ethane, Methane
Carbon disulfide

EPA Method 18 Adsorbents

2,2,4-Trimethylpentane, 2-Nitropropane, Acetonitrile, Acrylonitrile,
Chlorobenzene, Cumene, Ethylbenzene, Methyl isobutyl ketone,
Methyl t-butyl ether, m-Xylene, Nitrobenzene, o-Xylene, p-Xylene, Styrene

EPA Method 308

Methanol




Enthalpy Analytical, Inc.

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2202 Ellis Road Durham, NC 27703 - 5518

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF) and contains 84 pages.


QA Review Performed by ~ Bonnie L Evans

Report Issued: 08/16/2011



Summary of Results



Company	TRC Environmental
Analyst	STG / MGM
Parameters	EPA Method 18 Bags FID

Client #	184380.0000.0000
Job #	0611-101
# Samples	2 Runs, 1 S&R

Compound	Sample ID / Adjusted Concentration (ppm)	
	<i>EM-R1-Bag-SRU</i>	<i>EM-R2-Bag-SRU</i>
1-3 Butadiene	0.268 ND	0.268 ND
Acrolein	0.404 ND	0.404 ND
Acetone	0.586 J	0.448 ND
Pentane #	0.593 J	0.257 ND
Methylene chloride	1.05 ND	1.05 ND
Hexane	0.272 J	0.240 ND
Benzene	0.279 ND	0.279 ND
Trichloroethene	0.438 ND	0.438 ND
Toluene	0.322 J	0.308 ND
1,2 Dibromoethane #	0.257 ND	0.257 ND
Tetrachloroethene #	0.291 ND	0.291 ND
# Results not adjusted.		

Company	TRC Environmental
Analyst	KMT
Parameters	EPA Method 18-type FPD

Client #	184380.0000.0000
Job #	0611-101
# Samples	2 Runs

Compound	Sample ID / Sample Concentration (ppm)	
	<i>EM-R1-Bag-SRU</i>	<i>EM-R2-Bag-SRU</i>
Carbon disulfide	0.0412 ND	0.0412 ND

Company	TRC Environmental
Analyst	STG / MGM
Parameters	EPA Method 18 Bags

Client #	184380.0000.0000
Job #	0611-101
# Samples	2 Runs, 1 S&R

Compound	Sample ID / Adjusted Concentration (ppm)	
	<i>EM-R1-Bag-SRU</i>	<i>EM-R2-Bag-SRU</i>
Methane	33.6	2.62
Ethane	1.31 J	0.288 ND

Company	TRC Environmental
Analyst	JBB / KMT
Parameters	EPA Method 18 Adsorbents

Client #	184380.0000.0000
Job #	0611-101
# Samples	3 Runs, 3 Spikes, Blanks

Compound	Sample ID / Catch Weight (ug)		
	EM-R1A	EM-R2A	EM-R3A
Acetonitrile	6.80 ND	6.80 ND	6.80 ND
Acrylonitrile	6.80 ND	6.80 ND	6.80 ND
MTBE	0.908 ND	0.908 ND	0.908 ND
2-Nitropropane	8.36 ND	8.36 ND	8.36 ND
Isooctane	0.846 ND	0.846 ND	0.846 ND
MIBK	0.975 ND	0.975 ND	0.975 ND
Chlorobenzene	1.36 ND	1.36 ND	1.36 ND
Ethylbenzene	0.996 J	1.06 ND	1.06 ND
m/p-Xylene	1.05 ND	1.05 ND	1.05 ND
Styrene	1.11 ND	1.11 ND	1.11 ND
o-Xylene	1.08 ND	1.08 ND	1.08 ND
Cumene	1.06 ND	1.06 ND	1.06 ND
Nitrobenzene	1.47 ND	1.47 ND	1.47 ND
	EM-R1B SP	EM-R2B SP	EM-R3B SP
Acetonitrile	6.80 ND	6.80 ND	6.80 ND
Acrylonitrile	6.80 ND	6.80 ND	6.80 ND
MTBE	22.3	22.2	23.6
2-Nitropropane	15.9	16.6	23.0
Isooctane	24.0	24.8	24.2
MIBK	23.3	24.1	23.2
Chlorobenzene	30.4	33.6	32.1
Ethylbenzene	25.4	28.1	26.5
m/p-Xylene	40.6	46.1	42.8
Styrene	24.8	28.3	26.0
o-Xylene	24.9	28.4	26.4
Cumene	25.1	28.7	26.4
Nitrobenzene	33.5	38.4	34.0

Company	TRC Environmental
Analyst	JBB / KMT
Parameters	EPA Method 18 Adsorbents

Client #	184380.0000.0000
Job #	0611-101
# Samples	3 Runs, 3 Spikes, Blanks

Compound	Sample ID / Catch Weight (ug)		
	XAD SP FB	COND FB	XAD FB
Acetonitrile	0.785 ND	6.75 ND	0.785 ND
Acrylonitrile	0.785 ND	6.75 ND	0.785 ND
MTBE	20.5	0.909 ND	0.740 ND
2-Nitropropane	26.0	8.30 ND	0.965 ND
Isooctane	23.3	0.848 ND	0.690 ND
MIBK	22.0	0.977 ND	0.795 ND
Chlorobenzene	29.5	1.36 ND	1.11 ND
Ethylbenzene	23.9	1.06 ND	0.865 ND
m/p-Xylene	39.6	1.06 ND	0.860 ND
Styrene	23.9	1.11 ND	0.905 ND
o-Xylene	24.4	1.08 ND	0.880 ND
Cumene	24.6	1.06 ND	0.865 ND
Nitrobenzene	30.3	1.47 ND	1.20 ND
	CT FB		
Acetonitrile	0.785 ND		
Acrylonitrile	0.785 ND		
MTBE	0.740 ND		
2-Nitropropane	0.965 ND		
Isooctane	0.690 ND		
MIBK	0.795 ND		
Chlorobenzene	1.11 ND		
Ethylbenzene	0.865 ND		
m/p-Xylene	0.860 ND		
Styrene	0.905 ND		
o-Xylene	0.880 ND		
Cumene	0.865 ND		
Nitrobenzene	1.20 ND		

Company	TRC Environmental
Analyst	KMT / CLD
Parameters	EPA Method 308

Client #	184380.0000.0000
Job #	0611-101
# Samples	3 Runs, 2 Blanks

Compound	Sample ID / Catch Weight (ug)		
	EM-M308 R1	EM-M308 R2	EM-M308 R3
Methanol	0.871 J	6.81 ND	6.81 ND
	M308 Cond FB	M308 SG FB	
Methanol	6.81 ND	0.790 ND	

Results



Client # 184380.0000.0000 Job # 0611-101 # Samples 2 Runs, 1 S&R
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Company TRC Environmental Analyst STG / MGM Parameters EPA Method 18 Bags FID

MDL 0.282 (ppm)
LOQ 2.57 (ppm)
Compound 1-3 Butadiene

Lower Curve Limit 2.57 (ppm)
Upper Curve Limit 257 (ppm)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ppm)	Conc # 2 (ppm)	Conc # 3 (ppm)	% Diff Conc	Avg Conc (ppm)	DF	Rec Eff (%)	Adj Conc (ppm)	Qual
EM-R1-Bag-SRU	022B0801.D	022B0802.D	022B0803.D	GC114P176R_ICR.M	NA	NA	NA	0.282	0.282	0.282	0.0	0.282	1	105	0.268	ND
EM-R2-Bag-SRU	023B0901.D	023B0902.D	023B0903.D	GC114P176R_ICR.M	NA	NA	NA	0.282	0.282	0.282	0.0	0.282	1	105	0.268	ND
N2 Blank	017B1101.D	017B1102.D	017B1103.D	GC114P176R_ICR.M	NA	NA	NA	0.282	0.282	0.282	0.0	0.282	1	100	0.282	ND
EM-R1-Bag-SRU S&R	018B0201.D	018B0202.D	018B0203.D	GC114P176R_ICR.M	2.62	2.62	0.1	8.74	8.57	8.61	1.1	8.64	1	100	8.64	

Client # 184380.0000.0000
Job # 0611-101
Samples 2 Runs, 1 S&R

Company TRC Environmental
Analyst STG / MGM
Parameters EPA Method 18 Bags FID

MDL 0.283 (ppm)
LOQ 2.57 (ppm)
Compound Acrolein

Lower Curve Limit 2.57 (ppm)
Upper Curve Limit 257 (ppm)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ppm)	Conc # 2 (ppm)	Conc # 3 (ppm)	% Diff Conc	Avg Conc (ppm)	DF	Rec Eff (%)	Adj Conc (ppm)	Qual
EM-R1-Bag-SRU	022B0801.D	022B0802.D	022B0803.D	GC114P176R_ICR.M	NA	NA	NA	0.283	0.283	0.283	0.0	0.283	1	70.0	0.404	ND
EM-R2-Bag-SRU	023B0901.D	023B0902.D	023B0903.D	GC114P176R_ICR.M	NA	NA	NA	0.283	0.283	0.283	0.0	0.283	1	70.0	0.404	ND
N2 Blank	017B1101.D	017B1102.D	017B1103.D	GC114P176R_ICR.M	NA	NA	NA	0.283	0.283	0.283	0.0	0.283	1	100	0.283	ND
EM-R1-Bag-SRU S&R	018B0201.D	018B0202.D	018B0203.D	GC114P176R_ICR.M	3.59	3.59	0.1	5.84	5.74	5.44	4.1	5.67	1	100	5.67	

Company TRC Environmental Analyst STG / MGM Parameters EPA Method 18 Bags FID	Client # 184380.0000.0000 Job # 0611-101 # Samples 2 Runs, 1 S&R
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Company TRC Environmental Analyst STG / MGM Parameters EPA Method 18 Bags FID	Client # 184380.0000.0000 Job # 0611-101 # Samples 2 Runs, 1 S&R
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MDL 0.415 (ppm)
LOQ 4.99 (ppm)
Compound Acetone

Lower Curve Limit 4.99 (ppm)
Upper Curve Limit 257 (ppm)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ppm)	Conc # 2 (ppm)	Conc # 3 (ppm)	% Diff Conc	Avg Conc (ppm)	DF	Rec Eff (%)	Adj Conc (ppm)	Qual
EM-R1-Bag-SRU	022B0801.D	022B0802.D	022B0803.D	GC114P176R_CRM	3.72	3.71	NA	0.571	0.643	0.415	23.5	0.543	1	92.7	0.586	J
EM-R2-Bag-SRU	023B0901.D	023B0902.D	023B0903.D	GC114P176R_CRM	NA	NA	NA	0.415	0.415	0.415	0.0	0.415	1	92.7	0.448	ND
N2 Blank	017B1101.D	017B1102.D	017B1103.D	GC114P176R_CRM	NA	NA	NA	0.415	0.415	0.415	0.0	0.415	1	100	0.415	ND
EM-R1-Bag-SRU S&R	018B0201.D	018B0202.D	018B0203.D	GC114P176R_CRM	3.70	3.71	0.1	7.77	7.82	7.86	0.6	7.82	1	100	7.82	

Client # 184380.0000.0000 Job # 0611-101 # Samples 2 Runs, 1 S&R
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Company TRC Environmental Analyst STG / MGM Parameters EPA Method 18 Bags FID

MDL 0.257 (ppm)
LOQ 2.57 (ppm)
Compound Pentane

Lower Curve Limit 2.57 (ppm)
Upper Curve Limit 257 (ppm)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ppm)	Conc # 2 (ppm)	Conc # 3 (ppm)	% Diff Conc	Avg Conc (ppm)	DF	Conc (ppm)	Qual
EM-R1-Bag-SRU	022B0801.D	022B0802.D	022B0803.D	GC114P176R_ICR.M	4.20	4.20	0.1	0.616	0.523	0.640	11.8	0.593	1	0.593	J
EM-R2-Bag-SRU	023B0901.D	023B0902.D	023B0903.D	GC114P176R_ICR.M	NA	NA	NA	0.257	0.257	0.257	0.0	0.257	1	0.257	ND
N2 Blank	017B1101.D	017B1102.D	017B1103.D	GC114P176R_ICR.M	NA	NA	NA	0.257	0.257	0.257	0.0	0.257	1	0.257	ND

Company	TRC Environmental
Analyst	STG / MGM
Parameters	EPA Method 18 Bags FID

Client #	184380.0000.0000
Job #	0611-101
# Samples	2 Runs, 1 S&R

MDL 0.958 (ppm)
LOQ 2.57 (ppm)
Compound Methylene chloride

Lower Curve Limit 2.57 (ppm)
Upper Curve Limit 257 (ppm)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ppm)	Conc # 2 (ppm)	Conc # 3 (ppm)	% Diff Conc	Avg Conc (ppm)	DF	Rec Eff (%)	Adj Conc (ppm)	Qual
EM-R1-Bag-SRU	022B0801.D	022B0802.D	022B0803.D	GC114P176R_ICRM	NA	NA	NA	0.958	0.958	0.958	0.0	0.958	1	91.6	1.05	ND
EM-R2-Bag-SRU	023B0901.D	023B0902.D	023B0903.D	GC114P176R_ICRM	NA	NA	NA	0.958	0.958	0.958	0.0	0.958	1	91.6	1.05	ND
N2 Blank	017B1101.D	017B1102.D	017B1103.D	GC114P176R_ICRM	NA	NA	NA	0.958	0.958	0.958	0.0	0.958	1	100	0.958	ND
EM-R1-Bag-SRU S&R	018B0201.D	018B0202.D	018B0203.D	GC114P176R_ICRM	4.50	4.50	0.1	7.42	7.14	7.67	3.7	7.41	1	100	7.41	

Company	TRC Environmental
Analyst	STG / MGM
Parameters	EPA Method 18 Bags FID

Client #	184380.0000.0000
Job #	0611-101
# Samples	2 Runs, 1 S&R

MDL 0.259 (ppm)
LOQ 2.57 (ppm)
Compound Hexane

Lower Curve Limit 2.57 (ppm)
Upper Curve Limit 257 (ppm)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ppm)	Conc # 2 (ppm)	Conc # 3 (ppm)	% Diff Conc	Avg Conc (ppm)	DF	Rec Eff (%)	Adj Conc (ppm)	Qual
EM-R1-Bag-SRU	022B0801.D	022B0802.D	022B0803.D	GC114P176R_ICRM	5.79	5.79	NA	0.353	0.267	0.259	20.4	0.293	1	108	0.272	J
EM-R2-Bag-SRU	023B0901.D	023B0902.D	023B0903.D	GC114P176R_ICRM	NA	NA	NA	0.259	0.259	0.259	0.0	0.259	1	108	0.240	ND
N2 Blank	017B1101.D	017B1102.D	017B1103.D	GC114P176R_ICRM	NA	NA	NA	0.259	0.259	0.259	0.0	0.259	1	100	0.259	ND
EM-R1-Bag-SRU S&R	018B0201.D	018B0202.D	018B0203.D	GC114P176R_ICRM	5.78	5.78	0.0	8.93	8.82	9.11	1.8	8.95	1	100	8.95	

Company	TRC Environmental
Analyst	STG / MGM
Parameters	EPA Method 18 Bags FID

Client # 184380.0000.0000
Job # 0611-101
Samples 2 Runs, 1 S&R

MDL 0.256 (ppm)
LOQ 2.56 (ppm)
Compound Benzene

Lower Curve Limit 2.56 (ppm)
Upper Curve Limit 256 (ppm)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ppm)	Conc # 2 (ppm)	Conc # 3 (ppm)	% Diff Conc	Avg Conc (ppm)	DF	Rec Eff (%)	Adj Conc (ppm)	Qual
EM-R1-Bag-SRU	022B0801.D	022B0802.D	022B0803.D	GC114P176R_ICR.M	NA	NA	NA	0.256	0.256	0.256	0.0	0.256	1	91.8	0.279	ND
EM-R2-Bag-SRU	023B0901.D	023B0902.D	023B0903.D	GC114P176R_ICR.M	NA	NA	NA	0.256	0.256	0.256	0.0	0.256	1	91.8	0.279	ND
N2 Blank	017B1101.D	017B1102.D	017B1103.D	GC114P176R_ICR.M	NA	NA	NA	0.256	0.256	0.256	0.0	0.256	1	100	0.256	ND
EM-R1-Bag-SRU S&R	018B0201.D	018B0202.D	018B0203.D	GC114P176R_ICR.M	6.49	6.50	0.0	7.59	7.46	7.43	1.2	7.50	1	100	7.50	

Company	TRC Environmental
Analyst	STG / MGM
Parameters	EPA Method 18 Bags FID

Client #	184380.0000.0000
Job #	0611-101
# Samples	2 Runs, 1 S&R

MDL 0.401 (ppm)
LOQ 4.97 (ppm)
Compound Trichloroethene

Lower Curve Limit 4.97 (ppm)
Upper Curve Limit 256 (ppm)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ppm)	Conc # 2 (ppm)	Conc # 3 (ppm)	% Diff Conc	Avg Conc (ppm)	DF	Rec Eff (%)	Adj Conc (ppm)	Qual
EM-R1-Bag-SRU	022B0801.D	022B0802.D	022B0803.D	GC114P176R_ICRM	NA	NA	NA	NA	0.401	0.401	0.401	0.0	0.401	1	91.5	0.438	ND
EM-R2-Bag-SRU	023B0901.D	023B0902.D	023B0903.D	GC114P176R_ICRM	NA	NA	NA	NA	0.401	0.401	0.401	0.0	0.401	1	91.5	0.438	ND
N2 Blank	017B1101.D	017B1102.D	017B1103.D	GC114P176R_ICRM	NA	NA	NA	NA	0.401	0.401	0.401	0.0	0.401	1	100	0.401	ND
EM-R1-Bag-SRU S&R	018B0201.D	018B0202.D	018B0203.D	GC114P176R_ICRM	6.89	6.89	6.89	0.0	7.59	7.44	7.47	1.2	7.50	1	100	7.50	

Company	TRC Environmental
Analyst	STG / MGM
Parameters	EPA Method 18 Bags FID

Client #	184380.0000.0000
Job #	0611-101
# Samples	2 Runs, 1 S&R

MDL 0.256 (ppm)
LOQ 4.97 (ppm)
Compound Toluene

Lower Curve Limit 4.97 (ppm)
Upper Curve Limit 256 (ppm)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ppm)	Conc # 2 (ppm)	Conc # 3 (ppm)	% Diff Conc	Avg Conc (ppm)	DF	Rec Eff (%)	Adj Conc (ppm)	Qual
EM-R1-Bag-SRU	022B0801.D	022B0802.D	022B0803.D	GC114P176R_ICR.M	NA	NA	NA	0.256	0.256	0.291	8.7	0.268	1	83.0	0.322	J
EM-R2-Bag-SRU	023B0901.D	023B0902.D	023B0903.D	GC114P176R_ICR.M	NA	NA	NA	0.256	0.256	0.256	0.0	0.256	1	83.0	0.308	ND
N2 Blank	017B1101.D	017B1102.D	017B1103.D	GC114P176R_ICR.M	NA	NA	NA	0.256	0.256	0.256	0.0	0.256	1	100	0.256	ND
EM-R1-Bag-SRU S&R	018B0201.D	018B0202.D	018B0203.D	GC114P176R_ICR.M	7.56	7.56	0.0	6.99	6.89	6.87	1.0	6.92	1	100	6.92	

EM-BTRF-000553

Company	TRC Environmental	Client #	184380.0000.0000
Analyst	STG / MGM	Job #	0611-101
Parameters	EPA Method 18 Bags FID	# Samples	2 Runs, 1 S&R

Company	TRC Environmental
Analyst	STG / MGM
Parameters	EPA Method 18 Bags FID

MDL 0.257 (ppm)
LOQ 4.99 (ppm)
Compound 1,2 Dibromoethane

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ppm)	Conc # 2 (ppm)	Conc # 3 (ppm)	% Diff Conc	Avg Conc (ppm)	DF	Conc (ppm)	Qual
EM-R1-Bag-SRU	022B0801.D	022B0802.D	022B0803.D	GC114P176R_ICR.M	NA	NA	NA	0.257	0.257	0.257	0.0	0.257	1	0.257	ND
EM-R2-Bag-SRU	023B0901.D	023B0902.D	023B0903.D	GC114P176R_ICR.M	NA	NA	NA	0.257	0.257	0.257	0.0	0.257	1	0.257	ND
N2 Blank	017B1101.D	017B1102.D	017B1103.D	GC114P176R_ICR.M	NA	NA	NA	0.257	0.257	0.257	0.0	0.257	1	0.257	ND

Company	TRC Environmental
Analyst	STG / MGM
Parameters	EPA Method 18 Bags FID
Client #	184380.0000.0000
Job #	0611-101
# Samples	2 Runs, 1 S&R

Company	TRC Environmental
Analyst	STG / MGM
Parameters	EPA Method 18 Bags FID

MDL 0.291 (ppm)
LOQ 4.99 (ppm)
Compound Tetrachloroethene

Lower Curve Limit 4.99 (ppm)
Upper Curve Limit 257 (ppm)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ppm)	Conc # 2 (ppm)	Conc # 3 (ppm)	% Diff Conc	Avg Conc (ppm)	DF	Conc (ppm)	Qual
EM-R1-Bag-SRU	022B0801.D	022B0802.D	022B0803.D	GC114P176R ICR.M	NA	NA	NA	0.291	0.291	0.291	0.0	0.291	1	0.291	ND
EM-R2-Bag-SRU	023B0901.D	023B0902.D	023B0903.D	GC114P176R ICR.M	NA	NA	NA	0.291	0.291	0.291	0.0	0.291	1	0.291	ND
N2 Blank	017B1101.D	017B1102.D	017B1103.D	GC114P176R ICR.M	NA	NA	NA	0.291	0.291	0.291	0.0	0.291	1	0.291	ND

Company	TRC Environmental
Analyst	STG / MGM
Parameters	Bag Spike & Recovery

Client #	184380.0000.0000
Job #	0611-101
Unspiked Sample ID	EM-R1-Bag-SRU

$$\% \text{ Recovery} = (T - U) / S \times 100$$

T = after spike concentration

U = before spike concentration

S = theoretical spike concentration

What was the conc of the bag before spiking?	1,3-Butadiene		
	MW	54.09	
	Inj 1 (ppm)	Inj 2 (ppm)	Inj 3 (ppm)
	0.00	0.00	0.00
U* (before spiking)	Avg ppm 0.00		
What was added to the bag?			
	Conc. ppm	Pbar (inHg)	T (F)
	508	29.73	68.5
	Gas Spike #1	Volume Added (mL)	Total ug
Total Vol (mL) vaporized	40		45.3
Total Vol (mL) added as gas	0.0		
Other volume (mL) Added	40		
	0		

	Acrolein		
	MW	56.06	
	Inj 1 (ppm)	Inj 2 (ppm)	Inj 3 (ppm)
	0.00	0.00	0.00
	Avg ppm 0.00		
	Conc. ppm	Pbar (inHg)	T (F)
	501	29.73	68.5
	40	Total ug	46.3
	0.0		
	40		
	0		

	Acetone		
	MW	58.08	
	Inj 1 (ppm)	Inj 2 (ppm)	Inj 3 (ppm)
	0.571	0.643	0.00
	Avg ppm 0.404		
	Conc. ppm	Pbar (inHg)	T (F)
	495	29.73	68.5
	40	Total ug	47.4
	0.0		
	40		
	0		

What volume was in the bag before spiking?

Wedge Volume	2.414	(L)	Sampled	7/7/11 12:00 AM	Hours
			Analyzed	7/12/11 3:51 PM	Delta 135:51:22
			Spiked	7/12/11 5:17 PM	Hours
			Spike Analyzed	7/18/11 10:44 AM	Delta 137:27:00
Total Vol. After Spiking	2,454	(mL)	Spike hold equal to or greater than original hold		YES

Ending Volume in Bag (mL) 2,454
 Original volume in the bag (mL) 2,414
 Total volume added (mL) 40
 Dilution Factor caused by addition 1.02
 Dilution Adjusted Base Conc (ppm) "U" 0.00

Theoretical Spike Conc (ppm) "S"

8.22

What was the conc of the bag after spiking?

Inj 1 (ppm)	Inj 2 (ppm)	Inj 3 (ppm)
8.74	8.57	8.61
Avg ppm 8.64		
Final Concentration (ppm) "T"		
RECOVERY % 105 %		

2,414
40
1.02
0.00
8.10

2,414
40
1.02
0.40
8.01

Inj 1 (ppm)	Inj 2 (ppm)	Inj 3 (ppm)
5.84	5.74	5.44
Avg ppm 5.67		
70.0 %		

Inj 1 (ppm)	Inj 2 (ppm)	Inj 3 (ppm)
7.77	7.82	7.86
Avg ppm 7.82		
92.7 %		

Company	TRC Environmental
Analyst	STG / MGM
Parameters	Bag Spike & Recovery

Client #	184380.0000.0000
Job #	D611-101
Unspiked Sample ID	EM-R1-Bag-SRU

$$\% \text{ Recovery} = (T - U) / S \times 100$$

T = after spike concentration

U = before spike concentration

S = theoretical spike concentration

What was the conc of the bag before spiking?

U' (before spiking)

What was added to the bag?

Gas Spike #1
Volume Added (mL)Total Vol (mL) vaporized
Total Vol (mL) added as gas
Other volume (mL) Added

Methylene chloride			
MW 84.93			
Inj 1 (ppm)	Inj 2 (ppm)	Inj 3 (ppm)	
0.00	0.00	0.00	
Avg ppm		0.00	
Conc. ppm	Pbar (inHg)	T (F)	
500	29.73	68.5	
40	Total ug		70.1
0.0			
40			
0			

Hexane			
MW 86.18			
Inj 1 (ppm)	Inj 2 (ppm)	Inj 3 (ppm)	
0.353	0.267	0.00	
Avg ppm		0.207	
Conc. ppm	Pbar (inHg)	T (F)	
501	29.73	68.5	
40	Total ug		71.2
0.0			
40			
0			

Benzene			
MW 78.11			
Inj 1 (ppm)	Inj 2 (ppm)	Inj 3 (ppm)	
0.00	0.00	0.00	
Avg ppm		0.00	
Conc. ppm	Pbar (inHg)	T (F)	
505	29.73	68.5	
40	Total ug		65.1
0.0			
40			
0			

What volume was in the bag before spiking?

Wedge Volume	2,414	(L)	Sampled	6/9/11 1:12 PM	Hours	135:51:22
			Analyzed	6/13/11 1:42 PM	Delta	
			Spiked	6/15/11 1:30 PM	Hours	137:27:00
			Spike Analyzed	7/18/11 10:44 AM	Delta	
Total Vol. After Spiking	2,454	(mL)	Spike hold equal to or greater than original hold		YES	

Ending Volume in Bag (mL)
Original volume in the bag (mL)
Total volume added (mL)
Dilution Factor caused by addition
Dilution Adjusted Base Conc (ppm) "U"

Theoretical Spike Conc (ppm) "S"

What was the conc of the bag after spiking?

Final Concentration (ppm) "T"

RECOVERY %

2,414
40
1.02
0.00
8.09

2,414
40
1.02
0.20
8.10

2,414
40
1.02
0.00
8.17

Inj 1 (ppm)	Inj 2 (ppm)	Inj 3 (ppm)
7.42	7.14	7.67
Avg ppm		7.41
91.6		%

Inj 1 (ppm)	Inj 2 (ppm)	Inj 3 (ppm)
8.93	8.82	9.11
Avg ppm		8.95
108		%

Inj 1 (ppm)	Inj 2 (ppm)	Inj 3 (ppm)
7.59	7.46	7.43
Avg ppm		7.50
91.8		%

Company	TRC Environmental
Analyst	STG / MGM
Parameters	Bag Spike & Recovery

Client #	184380.0000.0000
Job #	0611-101
Unspiked Sample ID	EM-R1-Bag-SRU

$$\% \text{ Recovery} = (T - U) / S \times 100$$

T = after spike concentration

U = before spike concentration

S = theoretical spike concentration

What was the conc of the bag before spiking?

U' (before spiking)

Trichloroethene			
MW	131.39		
Inj 1 (ppm)	Inj 2 (ppm)	Inj 3 (ppm)	
0.00	0.00	0.00	
Avg ppm		0.0	

What was added to the bag?

Gas Spike #1
Volume Added (mL)

Conc. ppm	Pbar (inHg)	T (F)
507	29.73	68.5
40	Total ug	109.9

Total Vol (mL) vaporized
Total Vol (mL) added as gas
Other volume (mL) Added

0.0
40
0

Toluene			
MW	92.14		
Inj 1 (ppm)	Inj 2 (ppm)	Inj 3 (ppm)	
0.00	0.00	0.291	
Avg ppm		0.0969	

Conc. ppm	Pbar (inHg)	T (F)
508	29.73	68.5
40	Total ug	77.2

0.0
40
0

What volume was in the bag before spiking?

Wedge Volume	2.414	(L)
Sampled	7/7/11 12:00 AM	Hours
Analyzed	7/12/11 3:51 PM	Delta 135:51:22
Spiked	7/12/11 5:17 PM	Hours
Spike Analyzed	7/18/11 10:44 AM	Delta 137:27:00
Total Vol. After Spiking	2,454	(mL)
Spike hold equal to or greater than original hold		YES

Ending Volume in Bag (mL)
Original volume in the bag (mL)
Total volume added (mL)
Dilution Factor caused by addition
Dilution Adjusted Base Conc (ppm) "U"

2,454
2,414
40
1.02
0.00

2,414
40
1.02
0.10

Theoretical Spike Conc (ppm) "S"

8.20

8.22

What was the conc of the bag after spiking?

Final Concentration (ppm) "T"

Inj 1 (ppm)	Inj 2 (ppm)	Inj 3 (ppm)
7.59	7.44	7.47
Avg ppm		7.50

Inj 1 (ppm)	Inj 2 (ppm)	Inj 3 (ppm)
6.99	6.89	6.87
Avg ppm		6.92

RECOVERY %

91.5 %

83.0 %

Client # 184380.0000.0000 Job # 0611-101 # Samples 2 Runs

Company TRC Environmental Analyst KMT Parameters EPA Method 18-type FPD

MDL 0.0412 (ppm)
LOQ 0.626 (ppm)
Compound Carbon disulfide

Lower Curve Limit 0.626 (ppm)
Upper Curve Limit 7.80 (ppm)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ppm)	Conc # 2 (ppm)	Conc # 3 (ppm)	% Diff Conc	Avg Conc (ppm)	DF	Sample Conc (ppm)	Qual
EM-R1-Bag-SRU	007B1701.D	007B1702.D	007B1703.D	GC125P018B_0611-101.M	NA	NA	NA	0.0412	0.0412	0.0412	0.0	0.0412	1	0.0412	ND
EM-R2-Bag-SRU	007B1801.D	007B1802.D	007B1803.D	GC125P018B_0611-101.M	NA	NA	NA	0.0412	0.0412	0.0412	0.0	0.0412	1	0.0412	ND

Client # 184380.0000.0000
Job # 0611-101
Samples 2 Runs, 1 S&R

Company TRC Environmental
Analyst STG / MGM
Parameters EPA Method 18 Bags

MDL 0.500 (ppm)
LOQ 2.00 (ppm)
Compound Methane

Lower Curve Limit 2.00 (ppm)
Upper Curve Limit 80,000 (ppm)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ppm)	Conc # 2 (ppm)	Conc # 3 (ppm)	% Diff Conc	Avg Conc (ppm)	DF	Rec Eff (%)	Adj Conc (ppm)	Qual
EM-R1-Bag-SRU	022B0801.D	022B0802.D	022B0803.D	GC114P172R 0611-176.M	1.41	1.41	0.1	27.8	27.5	27.4	1.0	27.6	1	82.0	33.8	
EM-R2-Bag-SRU	023B0901.D	023B0902.D	023B0903.D	GC114P172R 0611-176.M	1.40	1.41	0.1	2.16	2.12	2.10	1.3	2.15	1	82.0	2.62	
N2 Blank	017B1101.D	017B1102.D	017B1103.D	GC114P172R 0611-176.M	NA	NA	NA	0.500	0.500	0.500	0.0	0.500	1	100	0.500	ND
EM-R1-Bag-SRU Baseline	025B1101.D	025B1102.D	025B1103.D	GC114P172R 0611-176.M	1.40	1.40	0.0	25.0	24.8	24.8	0.5	24.9	1	100	24.9	
Em-R1-Bag-SRU S&R	018B2001.D	018B2002.D	018B2003.D	GC114P172R 0611-176.M	1.40	1.40	0.1	34.2	34.3	33.9	0.7	34.1	1	100	34.1	

Company TRC Environmental
Analyst STG / MGM
Parameters EPA Method 18 Bags

Client # 184380.0000.0000
Job # 0611-101
Samples 2 Runs, 1 S&R

MDL 0.311 (ppm)
LOQ 2.00 (ppm)
Compound Ethane

Lower Curve Limit 2.00 (ppm)
Upper Curve Limit 49.660 (ppm)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ppm)	Conc # 2 (ppm)	Conc # 3 (ppm)	% Diff Conc	Avg Conc (ppm)	DF	Rec Eff (%)	Adj Conc (ppm)	Qual
EM-R1-Bag-SRU	022B0801.D	022B0802.D	022B0803.D	GC114P172R_0611-176.M	1.54	1.54	1.54	0.1	1.51	1.41	1.31	7.3	1.41	1	108	1.31	J
EM-R2-Bag-SRU	023B0901.D	023B0902.D	023B0903.D	GC114P172R_0611-176.M	NA	NA	NA	NA	0.311	0.311	0.311	0.0	0.311	1	108	0.288	ND
N2 Blank	017B1101.D	017B1102.D	017B1103.D	GC114P172R_0611-176.M	NA	NA	NA	NA	0.311	0.311	0.311	0.0	0.311	1	100	0.311	ND
EM-R1-Bag-SRU Baseline	025B1101.D	025B1102.D	025B1103.D	GC114P172R_0611-176.M	1.53	1.53	1.53	0.1	1.54	1.57	1.87	4.9	1.60	1	100	1.60	J
Em-R1-Bag-SRU S&R	018B2001.D	018B2002.D	018B2003.D	GC114P172R_0611-176.M	1.53	1.53	1.53	0.1	7.07	6.98	6.98	0.8	7.01	1	100	7.01	

Company	TRC Environmental
Analyst	STG / MGM
Parameters	Bag Spike & Recovery

Client #	184380.0000.0000
Job #	0611-101
Unspiked Sample ID	EM-R1-Bag-SRU

$$\% \text{ Recovery} = (T - U) / S \times 100$$

T = after spike concentration

U = before spike concentration

S = theoretical spike concentration

What was the conc of the bag before spiking?

U' (before spiking)

Methane		
MW	16.04	
Inj 1 (ppm)	Inj 2 (ppm)	Inj 3 (ppm)
25.0	24.8	24.8
Avg ppm	24.9	

Ethane		
MW	30.07	
Inj 1 (ppm)	Inj 2 (ppm)	Inj 3 (ppm)
1.54	1.57	1.67
Avg ppm	1.60	

What was added to the bag?

Gas Spike #1
Volume Added (mL)

Conc. ppm	Pbar (inHg)	T (F)
100	29.79	71.5
75	Total ug	4.9

Conc. ppm	Pbar (inHg)	T (F)
100	29.79	71.5
75	Total ug	9.3

Gas Spike #2
Volume Added (mL)

Conc. ppm	Pbar (inHg)	T (F)
792	29.79	71.5
15	Total ug	7.8

Conc. ppm	Pbar (inHg)	T (F)
0	29.79	71.5
15	Total ug	0.0

Total Vol (mL) vaporized
Total Vol (mL) added as gas
Other volume (mL) Added

0.0
90
0

0.0
90
0

What volume was in the bag before spiking?

Wedge Volume	1.363 (L)	Sampled	7/7/11 12:00 AM	Hours	
		Analyzed	7/12/11 3:51 PM	Delta	135:51:22
		Spiked	7/20/11 11:00 AM	Hours	
Total Vol. After Spiking	1.453 (mL)	Spiked	7/20/11 11:00 AM	Delta	136:05:07
		Spike Analyzed	7/26/11 3:05 AM		
		Spike hold equal to or greater than original hold			YES

Ending Volume in Bag (mL)
Original volume in the bag (mL)
Total volume added (mL)
Dilution Factor caused by addition
Dilution Adjusted Base Conc (ppm) "U"

1.453
1.363
90
1.07
23.31

1.363
90
1.07
1.50

Theoretical Spike Conc (ppm) "S"

13.19

5.10

What was the conc of the bag after spiking?

Final Concentration (ppm) "T"

Inj 1 (ppm)	Inj 2 (ppm)	Inj 3 (ppm)
34.2	34.3	33.9
Avg ppm	34.1	

Inj 1 (ppm)	Inj 2 (ppm)	Inj 3 (ppm)
7.07	6.98	6.98
Avg ppm	7.01	

RECOVERY %

82.0 %

108 %

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

MDL 0.157 (ug/mL)
LOQ 1.57 (ug/mL)
Compound Acetonitrile

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R1A COND EXT	010F8401.D	010F8402.D	010F8403.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1.23	0.963	ND
M18 R1A-Unspkd Cond Rair	031F3501.D	031F3502.D	031F3503.D	GC120P135-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	35.3	5.54	1.23	6.80	ND
R1A XAD FH	011F8501.D	011F8502.D	011F8503.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R1A XAD BH	012F8601.D	012F8602.D	012F8603.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R1A CT FH	013F8701.D	013F8702.D	013F8703.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R1A CT BH	014F8801.D	014F8802.D	014F8803.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R1B SP COND EXT	015F8901.D	015F8902.D	015F8903.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1.23	0.963	ND
M18 R1B-Spkd Cond Rair	032F3601.D	032F3602.D	032F3603.D	GC120P135-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	35.3	5.54	1.23	6.80	ND
R1B SP XAD FH	017F7101.D	017F7102.D	017F7103.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R1B SP XAD BH	021F7501.D	021F7502.D	021F7503.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R1B SP CT FH	022F7601.D	022F7602.D	022F7603.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R1B SP CT BH	024F7801.D	024F7802.D	024F7803.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R2A COND EXT	025F7901.D	025F7902.D	025F7903.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1.23	0.963	ND
M18 R2A-Unspkd Cond Rair	034F8001.D	034F8002.D	034F8003.D	GC120P135-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	35.3	5.54	1.23	6.80	ND
R2A XAD FH	026F8101.D	026F8102.D	026F8103.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R2A XAD BH	027F8201.D	027F8202.D	027F8203.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R2A CT FH	028F8301.D	028F8302.D	028F8303.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R2A CT BH	029F8401.D	029F8402.D	029F8403.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R2B SP COND EXT	030F8401.D	030F8402.D	030F8403.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1.23	0.963	ND
M18 R2B-Spkd Cond Rair	035F8501.D	035F8502.D	035F8503.D	GC120P135-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	35.3	5.54	1.23	6.80	ND
R2B SP XAD FH	033F8701.D	033F8702.D	033F8703.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R2B SP XAD BH	034F8801.D	034F8802.D	034F8803.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R2B SP CT FH	035F8901.D	035F8902.D	035F8903.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R2B SP CT BH	036F9001.D	036F9002.D	036F9003.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R3A COND EXT	037F9101.D	037F9102.D	037F9103.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1.23	0.963	ND
M18 R3A-Unspkd Cond Rair	036F4001.D	036F4002.D	036F4003.D	GC120P135-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	35.3	5.54	1.23	6.80	ND
R3A XAD FH	038F9201.D	038F9202.D	038F9203.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R3A XAD BH	039F9301.D	039F9302.D	039F9303.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R3A CT FH	040F9401.D	040F9402.D	040F9403.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R3A CT BH	041F9501.D	041F9502.D	041F9503.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

MDL 0.157 (ug/mL)
LOQ 1.57 (ug/mL)
Compound Acetonitrile

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R3B SP COND EXT	042F9601.D	042F9602.D	042F9603.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1.23	0.963	ND
M18 R3B-Spkd Cond Raff	037F4101.D	037F4102.D	037F4103.D	GC120P135-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	35.3	5.54	1.23	6.80	ND
R3B SP XAD FH	045F9801.D	045F9802.D	045F9803.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R3B SP XAD BH	046FA001.D	046FA002.D	046FA003.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R3B SP CT FH	047FA101.D	047FA102.D	047FA103.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R3B SP CT BH	048FA201.D	048FA202.D	048FA203.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND

XAD SP FB	001F5501.D	001F5502.D	001F5503.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
COND FB	005F5901.D	005F5902.D	005F5903.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1.23	0.964	ND
M18-UnSpkd Cond FB Raff	038F4401.D	038F4402.D	038F4403.D	GC120P135-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	35.0	5.50	1.23	6.75	ND

XAD FB	008F6001.D	008F6002.D	008F6003.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
CT FB	009F6301.D	009F6302.D	009F6303.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND

R1B SP COND EXT LD	016F7001.D	016F7002.D	016F7003.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1.23	0.963	ND
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R1B SP XAD FH LD	018F7201.D	018F7202.D	018F7203.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
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R1B SP CT FH LD	023F7701.D	023F7702.D	023F7703.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
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M18 R1B-Spkd Cond Raff-LD	033F3701.D	033F3702.D	033F3703.D	GC120P135-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	43.3	6.80	1	6.80	ND
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COND MB	002F5601.D	002F5602.D	002F5603.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
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XAD MB	003F5701.D	003F5702.D	003F5703.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
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CT MB	004F5801.D	004F5802.D	004F5803.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
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M18 H2O RB Raff	039F4501.D	039F4502.D	039F4503.D	GC120P135-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	35.0	5.50	1	5.50	ND
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Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

MDL 0.157 (ug/mL)
LOQ 1.57 (ug/mL)
Compound Acetonitrile
Lower Curve Limit 1.57 (ug/mL)
Upper Curve Limit 261 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
M18 AQ LCS 1 Raff	040F4601.D	040F4602.D	040F4603.D	GC120P135-R.M	4.78	4.78	0.1	21.1	20.9	20.5	1.7	20.8	1	10.0	208	1	208	
Spike Recovery (%)																		
Spike Amount (ug)																		
235																		
88.6%																		

M18 AQ LCS 2 Raff	041F4701.D	041F4702.D	041F4703.D	GC120P135-R.M	4.78	4.77	0.0	20.3	19.5	19.9	1.9	19.9	1	10.0	199	1	199	
Spike Amount (ug)																		
235																		
84.6%																		

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

MDL 0.157 (ug/mL)
LOQ 1.57 (ug/mL)
Compound Acrylonitrile
Lower Curve Limit 1.57 (ug/mL)
Upper Curve Limit 262 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R1A COND EXT	010F6401.D	010F6402.D	010F6403.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1.23	0.963	ND
M18 R1A-Unspkd Cond Raff	031F3501.D	031F3502.D	031F3503.D	GC120P135-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	35.3	5.54	1.23	6.80	ND
R1A XAD FH	011F6501.D	011F6502.D	011F6503.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R1A XAD BH	012F6601.D	012F6602.D	012F6603.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R1A CT FH	013F6701.D	013F6702.D	013F6703.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R1A CT BH	014F6801.D	014F6802.D	014F6803.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND

R1B SP COND EXT	015F6901.D	015F6902.D	015F6903.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1.23	0.963	ND
M18 R1B-Spkd Cond Raff	032F3601.D	032F3602.D	032F3603.D	GC120P135-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	35.3	5.54	1.23	6.80	ND
R1B SP XAD FH	017F7101.D	017F7102.D	017F7103.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R1B SP XAD BH	021F7501.D	021F7502.D	021F7503.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R1B SP CT FH	022F7601.D	022F7602.D	022F7603.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R1B SP CT BH	024F7801.D	024F7802.D	024F7803.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND

R2A COND EXT	025F7901.D	025F7902.D	025F7903.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1.23	0.963	ND
M18 R2A-Unspkd Cond Raff	034F3801.D	034F3802.D	034F3803.D	GC120P135-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	35.3	5.54	1.23	6.80	ND
R2A XAD FH	026F8001.D	026F8002.D	026F8003.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R2A XAD BH	027F8101.D	027F8102.D	027F8103.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R2A CT FH	028F8201.D	028F8202.D	028F8203.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R2A CT BH	029F8301.D	029F8302.D	029F8303.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND

R2B SP COND EXT	030F8401.D	030F8402.D	030F8403.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1.23	0.963	ND
M18 R2B-Spkd Cond Raff	035F3901.D	035F3902.D	035F3903.D	GC120P135-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	35.3	5.54	1.23	6.80	ND
R2B SP XAD FH	033F8701.D	033F8702.D	033F8703.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R2B SP XAD BH	034F8801.D	034F8802.D	034F8803.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R2B SP CT FH	035F8901.D	035F8902.D	035F8903.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R2B SP CT BH	036F9001.D	036F9002.D	036F9003.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND

R3A COND EXT	037F9101.D	037F9102.D	037F9103.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1.23	0.963	ND
M18 R3A-Unspkd Cond Raff	038F4001.D	038F4002.D	038F4003.D	GC120P135-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	35.3	5.54	1.23	6.80	ND
R3A XAD FH	038F9201.D	038F9202.D	038F9203.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R3A XAD BH	039F9301.D	039F9302.D	039F9303.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R3A CT FH	040F9401.D	040F9402.D	040F9403.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R3A CT BH	041F9501.D	041F9502.D	041F9503.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

MDL 0.157 (ug/mL)
LOQ 1.57 (ug/mL)
Compound Acrylonitrile

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R3B SP COND EXT	042F9601.D	042F9602.D	042F9603.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1.23	0.963	ND
M18 R3B-Spkd Cond Rair	037F4101.D	037F4102.D	037F4103.D	GC120P135-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	35.3	5.54	1.23	6.80	ND
R3B SP XAD FH	045F9901.D	045F9902.D	045F9903.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R3B SP XAD BH	046FA001.D	046FA002.D	046FA003.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R3B SP CT FH	047FA101.D	047FA102.D	047FA103.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
R3B SP CT BH	048FA201.D	048FA202.D	048FA203.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND

XAD SP FB	001F5501.D	001F5502.D	001F5503.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
COND FB	005F5901.D	005F5902.D	005F5903.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1.23	0.964	ND
M18-UnSpkd Cond FB Rair	038F4401.D	038F4402.D	038F4403.D	GC120P135-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	35.0	5.50	1.23	6.75	ND
XAD FB	006F6001.D	006F6002.D	006F6003.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
CT FB	009F6301.D	009F6302.D	009F6303.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND

R1B SP COND EXT LD	016F7001.D	016F7002.D	016F7003.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1.23	0.963	ND
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R1B SP XAD FH LD	018F7201.D	018F7202.D	018F7203.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
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R1B SP CT FH LD	023F7701.D	023F7702.D	023F7703.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
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M18 R1B-Spkd Cond Rair-LD	033F3701.D	033F3702.D	033F3703.D	GC120P135-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	43.3	6.80	1	6.80	ND
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COND MB	002F5601.D	002F5602.D	002F5603.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
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XAD MB	003F5701.D	003F5702.D	003F5703.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
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CT MB	004F5801.D	004F5802.D	004F5803.D	GC121P077-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	5.00	0.785	1	0.785	ND
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M18 H2O RB Rair	039F4501.D	039F4502.D	039F4503.D	GC120P135-R.M	NA	NA	NA	0.157	0.157	0.157	0.0	0.157	1	35.0	5.50	1	5.50	ND
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Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

MDL 0.157 (ug/mL)
 LOQ 1.57 (ug/mL)
 Compound Acrylonitrile

Lower Curve Limit 1.57 (ug/mL)
 Upper Curve Limit 262 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
M18 AQ LCS 1 Raff	040F4601.D	040F4602.D	040F4603.D	GC120P135-R.M	4.56	4.56	4.56	0.1	18.2	18.1	17.5	2.5	17.9	1	10.0	179	1	179	
Spike Recovery (%)																		236	
																		76.0%	

M18 AQ LCS 2 Raff	041F4701.D	041F4702.D	041F4703.D	GC120P135-R.M	4.56	4.56	4.56	0.0	15.7	15.0	15.5	2.6	15.4	1	10.0	154	1	154	
Spike Amount (ug)																		236	
Spike Recovery (%)																		65.3%	

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

MDL 0.148 (ug/mL)
LOQ 1.48 (ug/mL)
Compound MTBE

Lower Curve Limit 1.48 (ug/mL)
Upper Curve Limit 246 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R1A COND EXT	010F6401.D	010F6402.D	010F6403.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1.23	0.908	ND
R1A XAD FH	011F6501.D	011F6502.D	011F6503.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1	0.740	ND
R1A XAD BH	012F6601.D	012F6602.D	012F6603.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1	0.740	ND
R1A CT FH	013F6701.D	013F6702.D	013F6703.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1	0.740	ND
R1A CT BH	014F6801.D	014F6802.D	014F6803.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1	0.740	ND

R1B SP COND EXT	015F6901.D	015F6902.D	015F6903.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1.23	0.908	ND
R1B SP XAD FH	017F7101.D	017F7102.D	017F7103.D	GC121P077-R.M	4.05	4.05	0.1	0.577	0.598	0.552	4.1	0.576	1	5.00	2.88	1	2.88	J
R1B SP XAD BH	021F7501.D	021F7502.D	021F7503.D	GC121P077-R.M	4.05	4.05	0.0	0.428	0.430	0.464	5.3	0.441	1	5.00	2.20	1	2.20	J
R1B SP CT FH	022F7601.D	022F7602.D	022F7603.D	GC121P077-R.M	4.05	4.05	0.0	3.45	3.35	3.36	2.7	3.45	1	5.00	17.3	1	17.3	
R1B SP CT BH	024F7801.D	024F7802.D	024F7803.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1	0.740	ND

22.3

R2A COND EXT	025F7901.D	025F7902.D	025F7903.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1.23	0.908	ND
R2A XAD FH	026F8001.D	026F8002.D	026F8003.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1	0.740	ND
R2A XAD BH	027F8101.D	027F8102.D	027F8103.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1	0.740	ND
R2A CT FH	028F8201.D	028F8202.D	028F8203.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1	0.740	ND
R2A CT BH	029F8301.D	029F8302.D	029F8303.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1	0.740	ND

0.91

R2B SP COND EXT	030F8401.D	030F8402.D	030F8403.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1.23	0.908	ND
R2B SP XAD FH	033F8701.D	033F8702.D	033F8703.D	GC121P077-R.M	4.05	4.05	0.1	0.609	0.664	0.656	5.3	0.643	1	5.00	3.21	1	3.21	J
R2B SP XAD BH	034F8801.D	034F8802.D	034F8803.D	GC121P077-R.M	4.05	4.05	0.0	0.500	0.491	0.491	1.2	0.494	1	5.00	2.47	1	2.47	J
R2B SP CT FH	035F8901.D	035F8902.D	035F8903.D	GC121P077-R.M	4.05	4.05	0.0	3.25	3.29	3.36	1.8	3.30	1	5.00	16.5	1	16.5	
R2B SP CT BH	036F9001.D	036F9002.D	036F9003.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1	0.740	ND

22.2

R3A COND EXT	037F9101.D	037F9102.D	037F9103.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1.23	0.908	ND
R3A XAD FH	038F9201.D	038F9202.D	038F9203.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1	0.740	ND
R3A XAD BH	039F9301.D	039F9302.D	039F9303.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1	0.740	ND
R3A CT FH	040F9401.D	040F9402.D	040F9403.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1	0.740	ND
R3A CT BH	041F9501.D	041F9502.D	041F9503.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1	0.740	ND

0.91

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

MDL 0.148 (ug/mL)
LOQ 1.48 (ug/mL)
Compound MTBE

Lower Curve Limit 1.48 (ug/mL)
Upper Curve Limit 246 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R3B SP COND EXT	042F9601.D	042F9602.D	042F9603.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1.23	0.908	ND
R3B SP XAD FH	045F9901.D	045F9902.D	045F9903.D	GC121P077-R.M	4.05	4.05	0.0	1.44	1.46	1.45	0.7	1.45	1	5.00	7.23	1	7.23	J
R3B SP XAD BH	046FA001.D	046FA002.D	046FA003.D	GC121P077-R.M	4.05	4.05	0.0	0.887	0.866	0.959	6.1	0.904	1	5.00	4.52	1	4.52	J
R3B SP CT FH	047FA101.D	047FA102.D	047FA103.D	GC121P077-R.M	4.05	4.05	0.0	2.37	2.39	2.32	1.6	2.36	1	5.00	11.8	1	11.8	
R3B SP CT BH	048FA201.D	048FA202.D	048FA203.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1	0.740	ND
																	23.6	

XAD SP FB	001F5501.D	001F5502.D	001F5503.D	GC121P077-R.M	4.05	4.05	0.0	4.14	4.11	4.03	1.5	4.09	1	5.00	20.5	1	20.5	
																	Spike Amount (ug)	
																	22.1	
																	92.4%	

COND FB	005F5901.D	005F5902.D	005F5903.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1.23	0.909	ND
XAD FB	006F6001.D	006F6002.D	006F6003.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1	0.740	ND
CT FB	009F6301.D	009F6302.D	009F6303.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1	0.740	ND

R1B SP COND EXT LD	016F7001.D	016F7002.D	016F7003.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1.23	0.908	ND
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R1B SP XAD FH LD	018F7201.D	018F7202.D	018F7203.D	GC121P077-R.M	4.05	4.05	0.1	0.492	0.510	0.549	6.3	0.517	1	5.00	2.58	1	2.58	J
																	% Difference	
																	10.2%	

R1B SP CT FH LD	023F7701.D	023F7702.D	023F7703.D	GC121P077-R.M	4.05	4.05	0.0	3.48	3.45	3.28	3.7	3.41	1	5.00	17.0	1	17.0	
																	% Difference	
																	1.4%	

COND MB	002F5601.D	002F5602.D	002F5603.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1	0.740	ND
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XAD MB	003F5701.D	003F5702.D	003F5703.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1	0.740	ND
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CT MB	004F5801.D	004F5802.D	004F5803.D	GC121P077-R.M	NA	NA	NA	0.148	0.148	0.148	0.0	0.148	1	5.00	0.740	1	0.740	ND
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Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

MDL 0.148 (ug/mL)
LOQ 1.48 (ug/mL)
Compound MTBE

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
AQ LCS-3	051F5101.D	051F5102.D	051F5103.D	GC121P077-R.M	4.05	4.05	0.0	10.9	10.4	10.3	3.0	10.5	1	5.00	52.7	1	52.7	
Spike Recovery (%)																		
																	73.8	
																	71.4%	
AQ LCS-4	052F5201.D	052F5202.D	052F5203.D	GC121P077-R.M	4.05	4.05	0.0	11.1	10.8	10.7	2.4	10.9	1	5.00	54.4	1	54.4	
Spike Recovery (%)																		
																	73.8	
																	73.8%	
XAD LCS-1	053F5301.D	053F5302.D	053F5303.D	GC121P077-R.M	4.05	4.05	0.0	4.43	4.50	4.44	1.0	4.46	1	5.00	22.3	1	22.3	
Spike Recovery (%)																		
																	22.1	
																	101%	
XAD LCS-2	054F5401.D	054F5402.D	054F5403.D	GC121P077-R.M	4.05	4.05	0.0	4.53	4.26	4.28	4.0	4.36	1	5.00	21.8	1	21.8	
Spike Recovery (%)																		
																	22.1	
																	98.4%	

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

MDL 0.193 (ug/mL)
LOQ 1.93 (ug/mL)
Compound 2-Nitropropane

Lower Curve Limit 1.93 (ug/mL)
Upper Curve Limit 323 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R1A COND EXT	010F6401.D	010F6402.D	010F6403.D	GC121P077-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1.23	1.18	ND
M18 R1A-Unspkd Cond Raff	031F3501.D	031F3502.D	031F3503.D	GC120P135-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	35.3	6.81	1.23	8.36	ND
R1A XAD FH	011F6501.D	011F6502.D	011F6503.D	GC121P077-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND
R1A XAD BH	012F6601.D	012F6602.D	012F6603.D	GC121P077-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND
R1A CT FH	013F6701.D	013F6702.D	013F6703.D	GC121P077-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND
R1A CT BH	014F6801.D	014F6802.D	014F6803.D	GC121P077-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND

R1B SP COND EXT	015F6901.D	015F6902.D	015F6903.D	GC121P077-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1.23	1.18	ND
M18 R1B-Spkd Cond Raff	032F3601.D	032F3602.D	032F3603.D	GC120P135-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	35.3	6.81	1.23	8.36	ND
R1B SP XAD FH	017F7101.D	017F7102.D	017F7103.D	GC121P077-RM	5.28	5.28	0.0	2.12	2.04	2.13	2.8	2.10	1	5.00	10.5	1	10.5	J
R1B SP XAD BH	021F7501.D	021F7502.D	021F7503.D	GC121P077-RM	5.28	5.28	0.0	1.08	1.09	1.08	0.5	1.08	1	5.00	5.42	1	5.42	J
R1B SP CT FH	022F7601.D	022F7602.D	022F7603.D	GC121P077-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND
R1B SP CT BH	024F7801.D	024F7802.D	024F7803.D	GC121P077-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND

R2A COND EXT	025F7901.D	025F7902.D	025F7903.D	GC121P077-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1.23	1.18	ND
M18 R2A-Unspkd Cond Raff	034F3801.D	034F3802.D	034F3803.D	GC120P135-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	35.3	6.81	1.23	8.36	ND
R2A XAD FH	026F8001.D	026F8002.D	026F8003.D	GC121P077-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND
R2A XAD BH	027F8101.D	027F8102.D	027F8103.D	GC121P077-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND
R2A CT FH	028F8201.D	028F8202.D	028F8203.D	GC121P077-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND
R2A CT BH	029F8301.D	029F8302.D	029F8303.D	GC121P077-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND

R2B SP COND EXT	030F8401.D	030F8402.D	030F8403.D	GC121P077-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1.23	1.18	ND
M18 R2B-Spkd Cond Raff	035F3901.D	035F3902.D	035F3903.D	GC120P135-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	35.3	6.81	1.23	8.36	ND
R2B SP XAD FH	033F8701.D	033F8702.D	033F8703.D	GC121P077-RM	5.28	5.28	0.0	2.21	2.17	2.15	1.6	2.18	1	5.00	10.9	1	10.9	J
R2B SP XAD BH	034F8801.D	034F8802.D	034F8803.D	GC121P077-RM	5.28	5.28	0.0	1.16	1.13	1.13	1.6	1.14	1	5.00	5.70	1	5.70	J
R2B SP CT FH	035F8901.D	035F8902.D	035F8903.D	GC121P077-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND
R2B SP CT BH	036F9001.D	036F9002.D	036F9003.D	GC121P077-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND

R3A COND EXT	037F9101.D	037F9102.D	037F9103.D	GC121P077-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1.23	1.18	ND
M18 R3A-Unspkd Cond Raff	038F4001.D	038F4002.D	038F4003.D	GC120P135-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	35.3	6.81	1.23	8.36	ND
R3A XAD FH	039F9201.D	039F9202.D	039F9203.D	GC121P077-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND
R3A XAD BH	039F9301.D	039F9302.D	039F9303.D	GC121P077-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND
R3A CT FH	040F9401.D	040F9402.D	040F9403.D	GC121P077-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND
R3A CT BH	041F9501.D	041F9502.D	041F9503.D	GC121P077-RM	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

MDL 0.193 (ug/mL)
LOQ 1.93 (ug/mL)
Compound 2-Nitropropane
Lower Curve Limit 1.93 (ug/mL)
Upper Curve Limit 323 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R3B SP COND EXT	042F9601.D	042F9602.D	042F9603.D	GC121P077-R.M	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1.23	1.18	ND
M18 R3B-Spkd Cond Raff	037F4101.D	037F4102.D	037F4103.D	GC120P135-R.M	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	35.3	6.81	1.23	8.36	ND
R3B SP XAD FH	045F9901.D	045F9902.D	045F9903.D	GC121P077-R.M	5.28	5.28	0.0	3.48	3.38	3.40	1.8	3.42	1	5.00	17.1	1	17.1	J
R3B SP XAD BH	046FA001.D	046FA002.D	046FA003.D	GC121P077-R.M	5.28	5.28	0.0	1.22	1.15	1.16	4.1	1.18	1	5.00	5.88	1	5.88	J
R3B SP CT FH	047FA101.D	047FA102.D	047FA103.D	GC121P077-R.M	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND
R3B SP CT BH	048FA201.D	048FA202.D	048FA203.D	GC121P077-R.M	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND
																	23.0	
XAD SP FB	001F5501.D	001F5502.D	001F5503.D	GC121P077-R.M	5.28	5.28	0.0	5.30	5.27	5.02	3.4	5.19	1	5.00	26.0	1	26.0	
																	28.1	
																	89.4%	
COND FB	005F5901.D	005F5902.D	005F5903.D	GC121P077-R.M	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1.23	1.19	ND
M18-UnSpkd Cond FB Raff	038F4401.D	038F4402.D	038F4403.D	GC120P135-R.M	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	35.0	6.76	1.23	8.30	ND
																	8.30	ND
XAD FB	008F6001.D	008F6002.D	008F6003.D	GC121P077-R.M	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND
CT FB	009F6301.D	009F6302.D	009F6303.D	GC121P077-R.M	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND
R1B SP COND EXT LD	016F7001.D	016F7002.D	016F7003.D	GC121P077-R.M	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1.23	1.18	ND
																	NA	
R1B SP XAD FH LD	018F7201.D	018F7202.D	018F7203.D	GC121P077-R.M	5.28	5.28	0.1	2.07	2.02	2.13	2.9	2.07	1	5.00	10.4	1	10.4	
																	1.2%	
R1B SP CT FH LD	023F7701.D	023F7702.D	023F7703.D	GC121P077-R.M	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND
																	NA	
M18 R1B-Spkd Cond Raff-LD	033F3701.D	033F3702.D	033F3703.D	GC120P135-R.M	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	43.3	8.36	1	8.36	ND
																	NA	
COND MB	002F5601.D	002F5602.D	002F5603.D	GC121P077-R.M	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND
XAD MB	003F5701.D	003F5702.D	003F5703.D	GC121P077-R.M	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND
CT MB	004F5801.D	004F5802.D	004F5803.D	GC121P077-R.M	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	5.00	0.965	1	0.965	ND

Company	TRC Environmental	Client #	184380.0000.0000
Analyst	JBB / KMT	Job #	0611-101
Parameters	EPA Method 18 Adsorbents	# Samples	3 Runs, 3 Spikes, Blanks

Company	TRC Environmental	Client #	184380.0000.0000
Analyst	JBB / KMT	Job #	0611-101
Parameters	EPA Method 18 Adsorbents	# Samples	3 Runs, 3 Spikes, Blanks

MDL 0.193 (ug/mL)
LOQ 1.93 (ug/mL)
Compound 2-Nitropropane

Lower Curve Limit 1.93 (ug/mL)
Upper Curve Limit 323 (ug/mL)

Sample ID	Lab ID #1	Lab ID #2	Lab ID #3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc #1 (ug/mL)	Conc #2 (ug/mL)	Conc #3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
AQ LCS-3	051F5101.D	051F5102.D	051F5103.D	GC121P077-R.M	5.28	5.28	0.0	12.5	12.2	12.1	1.7	12.3	1	5.00	61.4	1	61.4	
																	96.8	
																	63.4%	
AQ LCS-4	052F5201.D	052F5202.D	052F5203.D	GC121P077-R.M	5.28	5.28	0.0	12.9	12.4	12.4	2.7	12.6	1	5.00	62.9	1	62.9	
																	96.8	
																	65.0%	
XAD LCS-1	053F5301.D	053F5302.D	053F5303.D	GC121P077-R.M	5.28	5.28	0.0	5.67	5.64	5.61	0.5	5.64	1	5.00	28.2	1	28.2	
																	29.1	
																	97.1%	
XAD LCS-2	054F5401.D	054F5402.D	054F5403.D	GC121P077-R.M	5.28	5.28	0.0	5.68	5.44	5.46	2.8	5.52	1	5.00	27.6	1	27.6	
																	29.1	
																	95.1%	
M18 H2O RB Raff	039F4501.D	039F4502.D	039F4503.D	GC120P135-R.M	NA	NA	NA	0.193	0.193	0.193	0.0	0.193	1	35.0	6.76	100	6.76	ND

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

MDL 0.138 (ug/mL)
LOQ 1.38 (ug/mL)
Compound Isocane

Lower Curve Limit 1.38 (ug/mL)
Upper Curve Limit 230 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R1A COND EXT	010F6401.D	010F6402.D	010F6403.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1.23	0.846	ND
R1A XAD FH	011F6501.D	011F6502.D	011F6503.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND
R1A XAD BH	012F6601.D	012F6602.D	012F6603.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND
R1A CT FH	013F6701.D	013F6702.D	013F6703.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND
R1A CT BH	014F6801.D	014F6802.D	014F6803.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND

R1B SP COND EXT	015F6901.D	015F6902.D	015F6903.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1.23	0.846	ND
R1B SP XAD FH	017F7101.D	017F7102.D	017F7103.D	GC121P077-R.M	5.49	5.49	0.0	4.66	4.94	4.71	0.9	4.67	1	5.00	23.4	1	23.4	J
R1B SP XAD BH	021F7501.D	021F7502.D	021F7503.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND
R1B SP CT FH	022F7601.D	022F7602.D	022F7603.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND
R1B SP CT BH	024F7801.D	024F7802.D	024F7803.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND

R2A COND EXT	025F7901.D	025F7902.D	025F7903.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1.23	0.846	ND
R2A XAD FH	026F8001.D	026F8002.D	026F8003.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND
R2A XAD BH	027F8101.D	027F8102.D	027F8103.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND
R2A CT FH	028F8201.D	028F8202.D	028F8203.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND
R2A CT BH	029F8301.D	029F8302.D	029F8303.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND

R2B SP COND EXT	030F8401.D	030F8402.D	030F8403.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1.23	0.846	ND
R2B SP XAD FH	033F8701.D	033F8702.D	033F8703.D	GC121P077-R.M	5.49	5.49	0.0	4.92	4.76	4.78	2.1	4.82	1	5.00	24.1	1	24.1	J
R2B SP XAD BH	034F8801.D	034F8802.D	034F8803.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND
R2B SP CT FH	035F8901.D	035F8902.D	035F8903.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND
R2B SP CT BH	036F9001.D	036F9002.D	036F9003.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND

R3A COND EXT	037F9101.D	037F9102.D	037F9103.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1.23	0.846	ND
R3A XAD FH	038F9201.D	038F9202.D	038F9203.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND
R3A XAD BH	039F9301.D	039F9302.D	039F9303.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND
R3A CT FH	040F9401.D	040F9402.D	040F9403.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND
R3A CT BH	041F9501.D	041F9502.D	041F9503.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

MDL 0.138 (ug/mL)
LOQ 1.38 (ug/mL)
Compound Isoclane

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R3B SP COND EXT	042F9601.D	042F9602.D	042F9603.D	GC121P077-R.M	5.49	5.49	0.0	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1.23	0.846	ND
R3B SP XAD FH	045F9901.D	045F9902.D	045F9903.D	GC121P077-R.M	5.49	5.49	0.0	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1.23	0.846	ND
R3B SP XAD BH	046FA001.D	046FA002.D	046FA003.D	GC121P077-R.M	5.49	5.49	0.0	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1.23	0.846	ND
R3B SP CT FH	047FA101.D	047FA102.D	047FA103.D	GC121P077-R.M	5.49	5.49	0.0	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1.23	0.846	ND
R3B SP CT BH	048FA201.D	048FA202.D	048FA203.D	GC121P077-R.M	5.49	5.49	0.0	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1.23	0.846	ND

XAD SP FB	001F5501.D	001F5502.D	001F5503.D	GC121P077-R.M	5.49	5.49	0.0	4.74	4.71	4.55	2.5	4.67	1	5.00	23.3	1	23.3
Spike Amount (ug)																	24.1
Spike Recovery (%)																	96.9%

COND FB	005F5901.D	005F5902.D	005F5903.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1.23	0.848	ND
XAD FB	006F6001.D	006F6002.D	006F6003.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND
CT FB	009F6301.D	009F6302.D	009F6303.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND

R1B SP COND EXT LD	016F7001.D	016F7002.D	016F7003.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1.23	0.846	ND
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R1B SP XAD FH LD	018F7201.D	018F7202.D	018F7203.D	GC121P077-R.M	5.49	5.49	0.1	4.57	4.63	4.97	5.1	4.72	1	5.00	23.6	1	23.6	
% Difference																		1.2%

R1B SP CT FH LD	023F7701.D	023F7702.D	023F7703.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND
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COND MB	002F5601.D	002F5602.D	002F5603.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND
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XAD MB	003F5701.D	003F5702.D	003F5703.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND
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CT MB	004F5801.D	004F5802.D	004F5803.D	GC121P077-R.M	NA	NA	NA	0.138	0.138	0.138	0.0	0.138	1	5.00	0.690	1	0.690	ND
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Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

MDL 0.138 (ug/mL)
LOQ 1.38 (ug/mL)
Compound Isooctane
Lower Curve Limit 1.38 (ug/mL)
Upper Curve Limit 230 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
AQ LCS-3	051F5101.D	051F5102.D	051F5103.D	GC121P077-R.M	5.49	5.49	0.0	14.0	13.7	13.7	1.2	13.8	1	5.00	69.0	1	69.0	
																	68.9	
																	100%	
AQ LCS-4	052F5201.D	052F5202.D	052F5203.D	GC121P077-R.M	5.49	5.49	0.0	14.3	13.7	13.6	3.3	13.9	1	5.00	63.4	1	63.4	
																	68.9	
																	101%	
XAD LCS-1	053F5301.D	053F5302.D	053F5303.D	GC121P077-R.M	5.49	5.49	0.0	5.08	5.03	4.99	1.0	5.04	1	5.00	25.2	1	25.2	
																	24.1	
																	104%	
XAD LCS-2	054F5401.D	054F5402.D	054F5403.D	GC121P077-R.M	5.49	5.49	0.0	5.04	4.93	4.91	2.4	4.92	1	5.00	24.6	1	24.6	
																	24.1	
																	102%	

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

Client #164360.0000.0000
Job #0611-101
Samples 3 Runs, 3 Spikes, Blanks

MDL 0.159 (ug/mL)
LOQ 1.59 (ug/mL)
Compound MIBK

Lower Curve Limit 1.59 (ug/mL)
Upper Curve Limit 265 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Allquot Factor	Sample Catch (ug)	Qual
R1A COND EXT	010F6401.D	010F6402.D	010F6403.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1.23	0.975	ND
R1A XAD FH	011F6501.D	011F6502.D	011F6503.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND
R1A XAD BH	012F6601.D	012F6602.D	012F6603.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND
R1A CT FH	013F6701.D	013F6702.D	013F6703.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND
R1A CT BH	014F6801.D	014F6802.D	014F6803.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND

R1B SP COND EXT	015F6901.D	015F6902.D	015F6903.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1.23	0.975	ND
R1B SP XAD FH	017F7101.D	017F7102.D	017F7103.D	GC121P077-R.M	5.79	5.79	0.0	4.41	4.49	4.56	1.7	4.49	1	5.00	22.4	1	22.4	ND
R1B SP XAD BH	021F7501.D	021F7502.D	021F7503.D	GC121P077-R.M	NA	5.79	NA	0.159	0.177	0.159	7.4	0.165	1	5.00	0.826	1	0.826	J
R1B SP CT FH	022F7601.D	022F7602.D	022F7603.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND
R1B SP CT BH	024F7801.D	024F7802.D	024F7803.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND

R2A COND EXT	025F7901.D	025F7902.D	025F7903.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1.23	0.975	ND
R2A XAD FH	026F8001.D	026F8002.D	026F8003.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND
R2A XAD BH	027F8101.D	027F8102.D	027F8103.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND
R2A CT FH	028F8201.D	028F8202.D	028F8203.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND
R2A CT BH	029F8301.D	029F8302.D	029F8303.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND

R2B SP COND EXT	030F8401.D	030F8402.D	030F8403.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1.23	0.975	ND
R2B SP XAD FH	033F8701.D	033F8702.D	033F8703.D	GC121P077-R.M	5.79	5.79	0.0	4.74	4.55	4.58	2.5	4.62	1	5.00	23.1	1	23.1	J
R2B SP XAD BH	034F8801.D	034F8802.D	034F8803.D	GC121P077-R.M	5.79	5.79	0.1	0.225	0.200	0.188	10.1	0.204	1	5.00	1.02	1	1.02	J
R2B SP CT FH	035F8901.D	035F8902.D	035F8903.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND
R2B SP CT BH	036F9001.D	036F9002.D	036F9003.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND

R3A COND EXT	037F9101.D	037F9102.D	037F9103.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1.23	0.975	ND
R3A XAD FH	038F9201.D	038F9202.D	038F9203.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND
R3A XAD BH	039F9301.D	039F9302.D	039F9303.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND
R3A CT FH	040F9401.D	040F9402.D	040F9403.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND
R3A CT BH	041F9501.D	041F9502.D	041F9503.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND

Company TRC Environmental
 Analyst JBB / KMT
 Parameters EPA Method 18 Adsorbents

Client # 184380.0000.0000
 Job # 0611-101
 # Samples 3 Runs, 3 Spikes, Blanks

MDL 0.159 (ug/mL)
 LOQ 1.59 (ug/mL)
 Compound MIBK

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Allquot Factor	Sample Catch (ug)	Qual
R3B SP COND EXT	042F9601.D	042F9602.D	042F9603.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1.23	0.975	ND
R3B SP XAD FH	045F9901.D	045F9902.D	045F9903.D	GC121P077-R.M	5.79	5.79	0.0	4.65	4.82	4.64	0.4	4.64	1	5.00	23.2	1	23.2	ND
R3B SP XAD BH	046FA001.D	046FA002.D	046FA003.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND
R3B SP CT FH	047FA101.D	047FA102.D	047FA103.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND
R3B SP CT BH	048FA201.D	048FA202.D	048FA203.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND
																	23.2	

XAD SP FB	001F5501.D	001F5502.D	001F5503.D	GC121P077-R.M	5.79	5.79	0.0	4.48	4.43	4.31	2.2	4.40	1	5.00	22.0	1	22.0	
																	23.9	
																	92.2%	

COND FB	005F5901.D	005F5902.D	005F5903.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1.23	0.977	ND
XAD FB	006F6001.D	006F6002.D	006F6003.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND
CT FB	009F6301.D	009F6302.D	009F6303.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND

R1B SP COND EXT LD	016F7001.D	016F7002.D	016F7003.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1.23	0.975	ND
																	NA	

R1B SP XAD FH LD	018F7201.D	018F7202.D	018F7203.D	GC121P077-R.M	5.79	5.79	0.1	4.42	4.46	4.77	4.8	4.56	1	5.00	22.7	1	22.7	
																	1.4%	

R1B SP CT FH LD	023F7701.D	023F7702.D	023F7703.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND
																	NA	

COND MB	002F5601.D	002F5602.D	002F5603.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND
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XAD MB	003F5701.D	003F5702.D	003F5703.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND
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CT MB	004F5801.D	004F5802.D	004F5803.D	GC121P077-R.M	NA	NA	NA	0.159	0.159	0.159	0.0	0.159	1	5.00	0.795	1	0.795	ND
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Company	TRC Environmental
Analyst	JBB / KMT
Parameters	EPA Method 18 Adsorbents

Client #	184380.0000.0000
Job #	0611-101
# Samples	3 Runs, 3 Spikes, Blanks

MDL 0.159 (ug/mL)
 LOQ 1.59 (ug/mL)
 Compound MIBK

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Allquot Factor	Sample Catch (ug)	Qual
AQ LCS-3	051F5101.D	051F5102.D	051F5103.D	GC121P077-R.M	5.78	5.78	0.0	13.2	13.0	13.0	1.1	13.1	1	5.00	65.4	1	65.4	
Spike Amount (ug)																	73.8	
Spike Recovery (%)																	88.6%	

AQ LCS-4	052F5201.D	052F5202.D	052F5203.D	GC121P077-R.M	5.79	5.79	0.0	14.0	13.4	13.2	3.3	13.5	1	5.00	67.6	1	67.6	
Spike Amount (ug)																	73.8	
Spike Recovery (%)																	91.5%	

XAD LCS-1	053F5301.D	053F5302.D	053F5303.D	GC121P077-R.M	5.79	5.79	0.0	4.89	4.84	4.73	1.9	4.82	1	5.00	24.1	1	24.1	
Spike Amount (ug)																	23.9	
Spike Recovery (%)																	101%	

XAD LCS-2	054F5401.D	054F5402.D	054F5403.D	GC121P077-R.M	5.79	5.79	0.0	4.82	4.61	4.67	2.5	4.70	1	5.00	23.5	1	23.5	
Spike Amount (ug)																	23.9	
Spike Recovery (%)																	98.2%	

Company/ TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

MDL 0.221 (ug/mL)
LOQ 2.21 (ug/mL)
Compound Chlorobenzene
Lower Curve Limit 2.21 (ug/mL)
Upper Curve Limit 369 (ug/mL)

Sample ID	Lab ID #1	Lab ID #2	Lab ID #3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc #1 (ug/mL)	Conc #2 (ug/mL)	Conc #3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R1A COND EXT	010F6401.D	010F6402.D	010F6403.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1.23	1.36	ND
R1A XAD FH	011F6501.D	011F6502.D	011F6503.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND
R1A XAD BH	012F6601.D	012F6602.D	012F6603.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND
R1A CT FH	013F6701.D	013F6702.D	013F6703.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND
R1A CT BH	014F6801.D	014F6802.D	014F6803.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND

R1B SP COND EXT	015F6901.D	015F6902.D	015F6903.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1.23	1.36	ND
R1B SP XAD FH	017F7101.D	017F7102.D	017F7103.D	GC121P077-R.M	6.92	6.92	0.0	5.75	6.20	6.29	5.5	6.08	1	5.00	30.4	1	30.4	ND
R1B SP XAD BH	021F7501.D	021F7502.D	021F7503.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND
R1B SP CT FH	022F7601.D	022F7602.D	022F7603.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND
R1B SP CT BH	024F7801.D	024F7802.D	024F7803.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND

R2A COND EXT	025F7901.D	025F7902.D	025F7903.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1.23	1.36	ND
R2A XAD FH	026F8001.D	026F8002.D	026F8003.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND
R2A XAD BH	027F8101.D	027F8102.D	027F8103.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND
R2A CT FH	028F8201.D	028F8202.D	028F8203.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND
R2A CT BH	029F8301.D	029F8302.D	029F8303.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND

R2B SP COND EXT	030F8401.D	030F8402.D	030F8403.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1.23	1.36	ND
R2B SP XAD FH	033F8701.D	033F8702.D	033F8703.D	GC121P077-R.M	6.92	6.92	0.0	6.85	6.64	6.68	1.9	6.72	1	5.00	33.6	1	33.6	ND
R2B SP XAD BH	034F8801.D	034F8802.D	034F8803.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND
R2B SP CT FH	035F8901.D	035F8902.D	035F8903.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND
R2B SP CT BH	036F9001.D	036F9002.D	036F9003.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND

R3A COND EXT	037F9101.D	037F9102.D	037F9103.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1.23	1.36	ND
R3A XAD FH	038F9201.D	038F9202.D	038F9203.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND
R3A XAD BH	039F9301.D	039F9302.D	039F9303.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND
R3A CT FH	040F9401.D	040F9402.D	040F9403.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND
R3A CT BH	041F9501.D	041F9502.D	041F9503.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

MDL 0.221 (ug/mL)
LOQ 2.21 (ug/mL)
Compound Chlorobenzene

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R3B SP COND EXT	042F9601.D	042F9602.D	042F9603.D	GC121P077-R.M	6.92	6.92	0.0	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1.23	1.36	ND
R3B SP XAD FH	045F9901.D	045F9902.D	045F9903.D	GC121P077-R.M	6.92	6.92	0.0	6.35	6.46	6.44	1.0	6.42	1	5.00	32.1	1	32.1	ND
R3B SP XAD BH	046FA001.D	046FA002.D	046FA003.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND
R3B SP CT FH	047FA101.D	047FA102.D	047FA103.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND
R3B SP CT BH	048FA201.D	048FA202.D	048FA203.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND
																	32.1	

XAD SP FB	001F5501.D	001F5502.D	001F5503.D	GC121P077-R.M	6.92	6.92	0.0	5.94	5.94	5.80	1.5	5.89	1	5.00	29.5	1	29.5	
																	33.2	
																	88.8%	

COND FB	005F5901.D	005F5902.D	005F5903.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1.23	1.35	ND
XAD FB	006F6001.D	006F6002.D	006F6003.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND
CT FB	009F6301.D	009F6302.D	009F6303.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND

R1B SP COND EXT LD	016F7001.D	016F7002.D	016F7003.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1.23	1.36	ND
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R1B SP XAD FH LD	018F7201.D	018F7202.D	018F7203.D	GC121P077-R.M	6.92	6.92	0.1	6.13	6.21	6.66	5.2	6.33	1	5.00	31.7	1	31.7	
																	4.1%	

R1B SP CT FH LD	023F7701.D	023F7702.D	023F7703.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND
																	NA	

COND MB	002F5601.D	002F5602.D	002F5603.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND
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XAD MB	003F5701.D	003F5702.D	003F5703.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND
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CT MB	004F5801.D	004F5802.D	004F5803.D	GC121P077-R.M	NA	NA	NA	0.221	0.221	0.221	0.0	0.221	1	5.00	1.11	1	1.11	ND
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Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

MDL 0.221 (ug/mL)
LOQ 2.21 (ug/mL)
Compound Chlorobenzene

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
AQ LCS-3	051F5101.D	051F5102.D	051F5103.D	GC121P077-R.M	6.92	6.92	0.0	22.5	22.4	22.5	0.3	22.5	1	5.00	112	1	112	
																	111	
																	102%	
AQ LCS-4	052F5201.D	052F5202.D	052F5203.D	GC121P077-R.M	6.92	6.92	0.0	23.7	22.5	22.3	3.9	22.8	1	5.00	114	1	114	
																	111	
																	103%	
XAD LCS-1	053F5301.D	053F5302.D	053F5303.D	GC121P077-R.M	6.92	6.92	0.0	6.93	6.75	6.70	2.0	6.79	1	5.00	34.0	1	34.0	
																	33.2	
																	102%	
XAD LCS-2	054F5401.D	054F5402.D	054F5403.D	GC121P077-R.M	6.92	6.92	0.0	6.82	6.51	6.66	2.4	6.66	1	5.00	33.3	1	33.3	
																	33.2	
																	100%	

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

MDL 0.173 (ug/mL)
LOQ 1.73 (ug/mL)
Compound Ethylbenzene

Lower Curve Limit 1.73 (ug/mL)
Upper Curve Limit 289 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R1A COND EXT	010F6401.D	010F6402.D	010F6403.D	GC121P077-R.M	7.04	7.04	0.0	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1.23	1.06	ND
R1A XAD FH	011F6501.D	011F6502.D	011F6503.D	GC121P077-R.M	7.04	7.04	0.0	0.204	0.185	0.209	7.2	0.199	1	5.00	0.896	1	0.996	J
R1A XAD BH	012F6601.D	012F6602.D	012F6603.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R1A CT FH	013F6701.D	013F6702.D	013F6703.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R1A CT BH	014F6801.D	014F6802.D	014F6803.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
																	0.996	J

R1B SP COND EXT	015F6901.D	015F6902.D	015F6903.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1.23	1.06	ND
R1B SP XAD FH	017F7101.D	017F7102.D	017F7103.D	GC121P077-R.M	7.04	7.05	7.04	0.0	4.71	5.20	7.0	5.07	1	5.00	25.4	1	25.4	
R1B SP XAD BH	021F7501.D	021F7502.D	021F7503.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R1B SP CT FH	022F7601.D	022F7602.D	022F7603.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R1B SP CT BH	024F7801.D	024F7802.D	024F7803.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
																	25.4	

R2A COND EXT	025F7901.D	025F7902.D	025F7903.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1.23	1.06	ND
R2A XAD FH	026F8001.D	026F8002.D	026F8003.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R2A XAD BH	027F8101.D	027F8102.D	027F8103.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R2A CT FH	028F8201.D	028F8202.D	028F8203.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R2A CT BH	029F8301.D	029F8302.D	029F8303.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
																	1.06	ND

R2B SP COND EXT	030F8401.D	030F8402.D	030F8403.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1.23	1.06	ND
R2B SP XAD FH	033F8701.D	033F8702.D	033F8703.D	GC121P077-R.M	7.05	7.05	7.05	0.0	5.72	5.58	1.7	5.62	1	5.00	28.1	1	28.1	
R2B SP XAD BH	034F8801.D	034F8802.D	034F8803.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R2B SP CT FH	035F8901.D	035F8902.D	035F8903.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R2B SP CT BH	036F9001.D	036F9002.D	036F9003.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
																	28.1	

R3A COND EXT	037F9101.D	037F9102.D	037F9103.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1.23	1.06	ND
R3A XAD FH	038F9201.D	038F9202.D	038F9203.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R3A SP XAD BH	039F9301.D	039F9302.D	039F9303.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R3A CT FH	040F9401.D	040F9402.D	040F9403.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R3A CT BH	041F9501.D	041F9502.D	041F9503.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
																	1.06	ND

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

MDL 0.173 (ug/mL)
LOQ 1.73 (ug/mL)
Compound Ethylbenzene
Lower Curve Limit 1.73 (ug/mL)
Upper Curve Limit 289 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R3B SP COND EXT	042F9601.D	042F9602.D	042F9603.D	GC121P077-R.M	7.04	7.05	0.0	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1.23	1.06	ND
R3B SP XAD FH	045F9901.D	045F9902.D	045F9903.D	GC121P077-R.M	7.04	7.05	0.0	5.19	5.37	5.35	2.1	5.30	1	5.00	26.5	1	26.5	ND
R3B SP XAD BH	046FA001.D	046FA002.D	046FA003.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R3B SP CT FH	047FA101.D	047FA102.D	047FA103.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R3B SP CT BH	048FA201.D	048FA202.D	048FA203.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
																	26.5	

XAD SP FB	001F5501.D	001F5502.D	001F5503.D	GC121P077-R.M	7.04	7.04	0.0	4.79	4.83	4.71	1.3	4.77	1	5.00	23.9	1	23.9	
																	26.0	
																	91.9%	

COND FB	005F5901.D	005F5902.D	005F5903.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1.23	1.06	ND
XAD FB	006F6001.D	006F6002.D	006F6003.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
CT FB	009F6301.D	009F6302.D	009F6303.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND

R1B SP COND EXT LD	016F7001.D	016F7002.D	016F7003.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1.23	1.06	ND
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R1B SP XAD FH LD	018F7201.D	018F7202.D	018F7203.D	GC121P077-R.M	7.04	7.04	0.1	5.20	5.18	5.62	5.4	5.33	1	5.00	26.7	1	26.7	
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R1B SP CT FH LD	023F7701.D	023F7702.D	023F7703.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
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COND MB	002F5601.D	002F5602.D	002F5603.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
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XAD MB	003F5701.D	003F5702.D	003F5703.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
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CT MB	004F5801.D	004F5802.D	004F5803.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
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Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

MDL 0.173 (ug/mL)
LOQ 1.73 (ug/mL)
Compound Ethylbenzene

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
AQ LCS-3	051F5101.D	051F5102.D	051F5103.D	GC121P077-R.M	7.04	7.04	0.0	17.8	17.8	17.9	0.2	17.8	1	5.00	89.1	1	89.1	
																	86.6	
																	103%	
AQ LCS-4	052F5201.D	052F5202.D	052F5203.D	GC121P077-R.M	7.04	7.04	0.0	18.9	17.8	17.8	4.1	18.1	1	5.00	90.6	1	90.6	
																	86.6	
																	105%	
XAD LCS-1	053F5301.D	053F5302.D	053F5303.D	GC121P077-R.M	7.04	7.04	0.0	5.48	5.33	5.31	2.0	5.37	1	5.00	26.9	1	26.9	
																	26.0	
																	103%	
XAD LCS-2	054F5401.D	054F5402.D	054F5403.D	GC121P077-R.M	7.04	7.04	0.0	5.40	5.18	5.25	2.4	5.27	1	5.00	26.4	1	26.4	
																	26.0	
																	102%	

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

MDL 0.172 (ug/mL)
LOQ 1.72 (ug/mL)
Compound m/p-Xylene

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R1A COND EXT	010F6401.D	010F6402.D	010F6403.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1.23	1.05	ND
R1A XAD FH	011F6501.D	011F6502.D	011F6503.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND
R1A XAD BH	012F6601.D	012F6602.D	012F6603.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND
R1A CT FH	013F6701.D	013F6702.D	013F6703.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND
R1A CT BH	014F6801.D	014F6802.D	014F6803.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND

R1B SP COND EXT	015F6901.D	015F6902.D	015F6903.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1.23	1.05	ND
R1B SP XAD FH	017F7101.D	017F7102.D	017F7103.D	GC121P077-R.M	7.12	7.12	0.0	7.49	8.34	8.51	7.7	8.12	1	5.00	40.6	1	40.6	ND
R1B SP XAD BH	021F7501.D	021F7502.D	021F7503.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND
R1B SP CT FH	022F7601.D	022F7602.D	022F7603.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND
R1B SP CT BH	024F7801.D	024F7802.D	024F7803.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND

R2A COND EXT	025F7901.D	025F7902.D	025F7903.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1.23	1.05	ND
R2A XAD FH	026F8001.D	026F8002.D	026F8003.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND
R2A XAD BH	027F8101.D	027F8102.D	027F8103.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND
R2A CT FH	028F8201.D	028F8202.D	028F8203.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND
R2A CT BH	029F8301.D	029F8302.D	029F8303.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND

R2B SP COND EXT	030F8401.D	030F8402.D	030F8403.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1.23	1.05	ND
R2B SP XAD FH	033F8701.D	033F8702.D	033F8703.D	GC121P077-R.M	7.12	7.12	0.0	9.40	9.13	9.13	2.0	9.22	1	5.00	46.1	1	46.1	ND
R2B SP XAD BH	034F8801.D	034F8802.D	034F8803.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND
R2B SP CT FH	035F8901.D	035F8902.D	035F8903.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND
R2B SP CT BH	036F9001.D	036F9002.D	036F9003.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND

R3A COND EXT	037F9101.D	037F9102.D	037F9103.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1.23	1.05	ND
R3A XAD FH	038F9201.D	038F9202.D	038F9203.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND
R3A XAD BH	039F9301.D	039F9302.D	039F9303.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND
R3A CT FH	040F9401.D	040F9402.D	040F9403.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND
R3A CT BH	041F9501.D	041F9502.D	041F9503.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

Client # 184380.0000.0000
Job # 0611-101
Samples: 3 Runs, 3 Spikes, Blanks

MDL 0.172 (ug/mL)
LOQ 1.72 (ug/mL)
Compound m/p-Xylene

Lower Curve Limit 1.72 (ug/mL)
Upper Curve Limit 286 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R3B SP COND EXT	042F9801.D	042F9802.D	042F9803.D	GC121P077-R-M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1.23	1.05	ND
R3B SP XAD FH	045F9901.D	045F9902.D	045F9903.D	GC121P077-R-M	7.12	7.12	0.0	8.34	8.67	8.67	2.6	8.56	1	5.00	42.8	1	42.8	
R3B SP XAD BH	046FA001.D	046FA002.D	046FA003.D	GC121P077-R-M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND
R3B SP CT FH	047FA101.D	047FA102.D	047FA103.D	GC121P077-R-M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND
R3B SP CT BH	048FA201.D	048FA202.D	048FA203.D	GC121P077-R-M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND

XAD SP FB	001F5501.D	001F5502.D	001F5503.D	GC121P077-R-M	7.11	7.11	0.0	7.91	8.00	7.84	1.0	7.91	1	5.00	39.6	1	39.6
Spike Amount (ug)																	43.0
Spike Recovery (%)																	92.1%

COND FB	005F5901.D	005F5902.D	005F5903.D	GC121P077-R-M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1.23	1.06	ND
XAD FB	006F6001.D	006F6002.D	006F6003.D	GC121P077-R-M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND
CT FB	009F6301.D	009F6302.D	009F6303.D	GC121P077-R-M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND

R1B SP COND EXT LD	016F7001.D	016F7002.D	016F7003.D	GC121P077-R-M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1.23	1.05	ND
% Difference																	NA	

R1B SP XAD FH LD	018F7201.D	018F7202.D	018F7203.D	GC121P077-R-M	7.12	7.12	0.1	8.34	8.35	9.01	5.2	8.57	1	5.00	42.8	1	42.8	
% Difference																	5.5%	

R1B SP CT FH LD	023F7701.D	023F7702.D	023F7703.D	GC121P077-R.M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND
% Difference																	NA	

COND MB	002F5601.D	002F5602.D	002F5603.D	GC121P077-R-M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND
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XAD MB	003F5701.D	003F5702.D	003F5703.D	GC121P077-R-M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND
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CT MB	004F5801.D	004F5802.D	004F5803.D	GC121P077-R-M	NA	NA	NA	0.172	0.172	0.172	0.0	0.172	1	5.00	0.860	1	0.860	ND
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Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

MDL 0.172 (ug/mL)
LOQ 1.72 (ug/mL)
Compound m/p-Xylene

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual	
AQ LCS-3	051F5101.D	051F5102.D	051F5103.D	GC121P077-R.M	7.11	7.11	7.11	0.0	17.7	17.6	17.7	0.3	17.7	1	5.00	88.4	1	88.4	
Spike Amount (ug)																		85.8	
Spike Recovery (%)																			
1																		89.8	
AQ LCS-4	052F5201.D	052F5202.D	052F5203.D	GC121P077-R.M	7.11	7.11	7.11	0.0	18.7	17.7	17.5	4.2	18.0	1	5.00	89.8	1	89.8	
Spike Amount (ug)																		85.8	
Spike Recovery (%)																			
1																		105%	
XAD LCS-1	053F5301.D	053F5302.D	053F5303.D	GC121P077-R.M	7.11	7.11	7.11	0.0	9.12	8.91	8.87	1.7	8.97	1	5.00	44.8	1	44.8	
Spike Amount (ug)																		43.0	
Spike Recovery (%)																			
1																		104%	
XAD LCS-2	054F5401.D	054F5402.D	054F5403.D	GC121P077-R.M	7.11	7.12	7.11	0.0	8.99	8.59	8.71	2.6	8.77	1	5.00	43.8	1	43.8	
Spike Amount (ug)																		43.0	
Spike Recovery (%)																			
1																		102%	

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

MDL 0.181 (ug/mL)
LOQ 1.81 (ug/mL)
Compound Styrene

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R1A COND EXT	010F6401.D	010F6402.D	010F6403.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1.23	1.11	ND
R1A XAD FH	011F6501.D	011F6502.D	011F6503.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND
R1A XAD BH	012F6601.D	012F6602.D	012F6603.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND
R1A CT FH	013F6701.D	013F6702.D	013F6703.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND
R1A CT BH	014F6801.D	014F6802.D	014F6803.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND

R1B SP COND EXT	015F6901.D	015F6902.D	015F6903.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1.23	1.11	ND
R1B SP XAD FH	017F7101.D	017F7102.D	017F7103.D	GC121P077-R.M	7.27	7.27	0.0	4.55	5.12	5.22	8.3	4.96	1	5.00	24.8	1	24.8	ND
R1B SP XAD BH	021F7501.D	021F7502.D	021F7503.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND
R1B SP CT FH	022F7601.D	022F7602.D	022F7603.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND
R1B SP CT BH	024F7801.D	024F7802.D	024F7803.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND

R2A COND EXT	025F7901.D	025F7902.D	025F7903.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1.23	1.11	ND
R2A XAD FH	026F8001.D	026F8002.D	026F8003.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND
R2A XAD BH	027F8101.D	027F8102.D	027F8103.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND
R2A CT FH	028F8201.D	028F8202.D	028F8203.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND
R2A CT BH	029F8301.D	029F8302.D	029F8303.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND

R2B SP COND EXT	030F8401.D	030F8402.D	030F8403.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1.23	1.11	ND
R2B SP XAD FH	033F8701.D	033F8702.D	033F8703.D	GC121P077-R.M	7.27	7.27	0.0	5.78	5.60	5.61	2.1	5.66	1	5.00	28.3	1	28.3	ND
R2B SP XAD BH	034F8801.D	034F8802.D	034F8803.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND
R2B SP CT FH	035F8901.D	035F8902.D	035F8903.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND
R2B SP CT BH	036F9001.D	036F9002.D	036F9003.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND

R3A COND EXT	037F9101.D	037F9102.D	037F9103.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1.23	1.11	ND
R3A XAD FH	038F9201.D	038F9202.D	038F9203.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND
R3A XAD BH	039F9301.D	039F9302.D	039F9303.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND
R3A CT FH	040F9401.D	040F9402.D	040F9403.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND
R3A CT BH	041F9501.D	041F9502.D	041F9503.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

MDL 0.181 (ug/mL)
 LOQ 1.81 (ug/mL)
 Compound Styrene

Lower Curve Limit 1.81 (ug/mL)
 Upper Curve Limit 302 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Allquot Factor	Sample Catch (ug)	Qual
R3B SP COND EXT	042F9601.D	042F9602.D	042F9603.D	GC121P077-R.M	7.27	7.27	0.0	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1.23	1.11	ND
R3B SP XAD FH	045F9901.D	045F9902.D	045F9903.D	GC121P077-R.M	7.27	7.27	0.0	5.05	5.27	5.25	2.7	5.19	1	5.00	26.0	1	26.0	ND
R3B SP XAD BH	046FA001.D	046FA002.D	046FA003.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND
R3B SP CT FH	047FA101.D	047FA102.D	047FA103.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND
R3B SP CT BH	048FA201.D	048FA202.D	048FA203.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND
																	26.0	

XAD SP FB	001F5501.D	001F5502.D	001F5503.D	GC121P077-R.M	7.27	7.27	0.0	4.79	4.85	4.72	1.3	4.79	1	5.00	23.9	1	23.9	
																	27.2	
																	88.1%	

COND FB	005F5901.D	005F5902.D	005F5903.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1.23	1.11	ND
XAD FB	006F6001.D	006F6002.D	006F6003.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND
CT FB	008F6301.D	008F6302.D	008F6303.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND

R1B SP COND EXT LD	016F7001.D	016F7002.D	016F7003.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1.23	1.11	ND
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R1B SP XAD FH LD	018F7201.D	018F7202.D	018F7203.D	GC121P077-R.M	7.27	7.27	0.1	5.12	5.12	5.55	5.5	5.26	1	5.00	26.3	1	26.3	
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R1B SP CT FH LD	023F7701.D	023F7702.D	023F7703.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND
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COND MB	002F5601.D	002F5602.D	002F5603.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND
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XAD MB	003F5701.D	003F5702.D	003F5703.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND
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CT MB	004F5801.D	004F5802.D	004F5803.D	GC121P077-R.M	NA	NA	NA	0.181	0.181	0.181	0.0	0.181	1	5.00	0.905	1	0.905	ND
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Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

MDL 0.181 (ug/mL)
 LOQ 1.81 (ug/mL)
 Compound Styrene

Lower Curve Limit 1.81 (ug/mL)
 Upper Curve Limit 302 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
AQ LCS-3	051F5101.D	051F5102.D	051F5103.D	GC121P077-R.M	7.27	7.27	7.27	0.0	18.5	18.5	18.6	0.3	18.5	1	5.00	92.6	1	92.6	
																		90.5	
																		102%	
AQ LCS-4	052F5201.D	052F5202.D	052F5203.D	GC121P077-R.M	7.27	7.27	7.27	0.0	19.6	18.6	18.4	4.1	18.8	1	5.00	94.2	1	94.2	
																		90.5	
																		104%	
XAD LCS-1	053F5301.D	053F5302.D	053F5303.D	GC121P077-R.M	7.27	7.27	7.27	0.0	5.66	5.53	5.48	1.8	5.56	1	5.00	27.8	1	27.8	
																		27.2	
																		102%	
XAD LCS-2	054F5401.D	054F5402.D	054F5403.D	GC121P077-R.M	7.27	7.27	7.27	0.0	5.57	5.33	5.41	2.5	5.43	1	5.00	27.2	1	27.2	
																		27.2	
																		100%	

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

Lower Curve Limit 1.76 (ug/mL)
Upper Curve Limit 293 (ug/mL)

MDL 0.176 (ug/mL)
LOQ 1.76 (ug/mL)
Compound o-Xylene

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R1A COND EXT	010F6401.D	010F6402.D	010F6403.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1.23	1.08	ND
R1A XAD FH	011F6501.D	011F6502.D	011F6503.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND
R1A XAD BH	012F6601.D	012F6602.D	012F6603.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND
R1A CT FH	013F6701.D	013F6702.D	013F6703.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND
R1A CT BH	014F6801.D	014F6802.D	014F6803.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND

R1B SP COND EXT	015F6901.D	015F6902.D	015F6903.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1.23	1.08	ND
R1B SP XAD FH	017F7101.D	017F7102.D	017F7103.D	GC121P077-R.M	7.32	7.32	0.0	4.57	5.13	5.25	8.2	4.98	1	5.00	24.9	1	24.9	ND
R1B SP XAD BH	021F7501.D	021F7502.D	021F7503.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND
R1B SP CT FH	022F7601.D	022F7602.D	022F7603.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND
R1B SP CT BH	024F7801.D	024F7802.D	024F7803.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND

R2A COND EXT	025F7901.D	025F7902.D	025F7903.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1.23	1.08	ND
R2A XAD FH	026F8001.D	026F8002.D	026F8003.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND
R2A XAD BH	027F8101.D	027F8102.D	027F8103.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND
R2A CT FH	028F8201.D	028F8202.D	028F8203.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND
R2A CT BH	029F8301.D	029F8302.D	029F8303.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND

R2B SP COND EXT	030F8401.D	030F8402.D	030F8403.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1.23	1.08	ND
R2B SP XAD FH	033F8701.D	033F8702.D	033F8703.D	GC121P077-R.M	7.32	7.32	0.0	5.80	5.64	5.82	2.0	5.59	1	5.00	28.4	1	28.4	ND
R2B SP XAD BH	034F8801.D	034F8802.D	034F8803.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND
R2B SP CT FH	035F8901.D	035F8902.D	035F8903.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND
R2B SP CT BH	036F9001.D	036F9002.D	036F9003.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND

R3A COND EXT	037F9101.D	037F9102.D	037F9103.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1.23	1.08	ND
R3A XAD FH	038F9201.D	038F9202.D	038F9203.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND
R3A XAD BH	039F9301.D	039F9302.D	039F9303.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND
R3A CT FH	040F9401.D	040F9402.D	040F9403.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND
R3A CT BH	041F9501.D	041F9502.D	041F9503.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

Client # 164380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

MDL 0.176 (ug/mL)
LOQ 1.76 (ug/mL)
Compound o-Xylene

Lower Curve Limit 1.76 (ug/mL)
Upper Curve Limit 293 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R3B SP COND EXT	042F9601.D	042F9602.D	042F9603.D	GC121P077-R.M	7.32	7.32	0.0	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1.23	1.08	ND
R3B SP XAD FH	045F9901.D	045F9902.D	045F9903.D	GC121P077-R.M	7.32	7.32	0.0	5.15	5.33	5.33	2.3	5.27	1	5.00	26.4	1	26.4	
R3B SP XAD BH	046FA001.D	046FA002.D	046FA003.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND
R3B SP CT FH	047FA101.D	047FA102.D	047FA103.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND
R3B SP CT BH	048FA201.D	048FA202.D	048FA203.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND
																	26.4	

XAD SP FB	001F5501.D	001F5502.D	001F5503.D	GC121P077-R.M	7.32	7.32	0.0	4.90	4.95	4.81	1.5	4.88	1	5.00	24.4	1	24.4	
																	26.4	
																	92.7%	

COND FB	005F5901.D	005F5902.D	005F5903.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1.23	1.08	ND
XAD FB	006F6001.D	006F6002.D	006F6003.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND
CT FB	009F6301.D	009F6302.D	009F6303.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND

R1B SP COND EXT LD	016F7001.D	016F7002.D	016F7003.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1.23	1.08	ND
																	% Difference	NA

R1B SP XAD FH LD	018F7201.D	018F7202.D	018F7203.D	GC121P077-R.M	7.32	7.32	0.1	5.15	5.15	5.56	5.1	5.29	1	5.00	26.4	1	26.4	
																	% Difference	6.1%

R1B SP CT FH LD	023F7701.D	023F7702.D	023F7703.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND
																	% Difference	NA

COND MB	002F5601.D	002F5602.D	002F5603.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND
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XAD MB	003F5701.D	003F5702.D	003F5703.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND
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CT MB	004F5801.D	004F5802.D	004F5803.D	GC121P077-R.M	NA	NA	NA	0.176	0.176	0.176	0.0	0.176	1	5.00	0.880	1	0.880	ND
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Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

MDL 0.176 (ug/mL)
LOQ 1.76 (ug/mL)
Compound o-Xylene

Lower Curve Limit 1.76 (ug/mL)
Upper Curve Limit 293 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
AQ LCS-3	051F5101.D	051F5102.D	051F5103.D	GC121P077-R.M	7.32	7.32	7.32	0.0	17.9	17.8	17.9	0.3	17.9	1	5.00	89.4	1	89.4	
																		87.1	
																		103%	
AQ LCS-4	052F5201.D	052F5202.D	052F5203.D	GC121P077-R.M	7.32	7.32	7.32	0.0	18.9	17.9	17.7	4.1	18.2	1	5.00	90.9	1	90.9	
																		87.1	
																		104%	
XAD LCS-1	053F5301.D	053F5302.D	053F5303.D	GC121P077-R.M	7.32	7.32	7.32	0.0	5.58	5.45	5.39	1.9	5.47	1	5.00	27.4	1	27.4	
																		26.4	
																		104%	
XAD LCS-2	054F5401.D	054F5402.D	054F5403.D	GC121P077-R.M	7.32	7.32	7.32	0.0	5.50	5.27	5.35	2.4	5.37	1	5.00	26.9	1	26.9	
																		26.4	
																		102%	

Client # 164380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

MDL 0.173 (ug/mL)
LOQ 1.73 (ug/mL)
Compound Cumene

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R1A COND EXT	010F6401.D	010F6402.D	010F6403.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1.23	1.06	ND
R1A XAD FH	011F6501.D	011F6502.D	011F6503.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R1A XAD BH	012F6601.D	012F6602.D	012F6603.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R1A CT FH	013F6701.D	013F6702.D	013F6703.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R1A CT BH	014F6801.D	014F6802.D	014F6803.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
																	1.06	ND

R1B SP COND EXT	015F6901.D	015F6902.D	015F6903.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1.23	1.06	ND
R1B SP XAD FH	017F7101.D	017F7102.D	017F7103.D	GC121P077-R.M	7.56	7.56	0.0	4.55	5.18	5.31	9.3	5.01	1	5.00	25.1	1	25.1	ND
R1B SP XAD BH	021F7501.D	021F7502.D	021F7503.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R1B SP CT FH	022F7601.D	022F7602.D	022F7603.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R1B SP CT BH	024F7801.D	024F7802.D	024F7803.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
																	25.1	ND

R2A COND EXT	025F7901.D	025F7902.D	025F7903.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1.23	1.06	ND
R2A XAD FH	026F8001.D	026F8002.D	026F8003.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R2A XAD BH	027F8101.D	027F8102.D	027F8103.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R2A CT FH	028F8201.D	028F8202.D	028F8203.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R2A CT BH	029F8301.D	029F8302.D	029F8303.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
																	1.06	ND

R2B SP COND EXT	030F8401.D	030F8402.D	030F8403.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1.23	1.06	ND
R2B SP XAD FH	033F8701.D	033F8702.D	033F8703.D	GC121P077-R.M	7.56	7.56	0.0	5.85	5.68	5.72	1.7	5.75	1	5.00	28.7	1	28.7	ND
R2B SP XAD BH	034F8801.D	034F8802.D	034F8803.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R2B SP CT FH	035F8901.D	035F8902.D	035F8903.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R2B SP CT BH	036F9001.D	036F9002.D	036F9003.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
																	28.7	ND

R3A COND EXT	037F9101.D	037F9102.D	037F9103.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1.23	1.06	ND
R3A XAD FH	038F9201.D	038F9202.D	038F9203.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R3A XAD BH	039F9301.D	039F9302.D	039F9303.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R3A CT FH	040F9401.D	040F9402.D	040F9403.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R3A CT BH	041F9501.D	041F9502.D	041F9503.D	GC121P077-R.M	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
																	1.06	ND

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

MDL 0.173 (ug/mL)
LOQ 1.73 (ug/mL)
Compound Cumene
Lower Curve Limit 1.73 (ug/mL)
Upper Curve Limit 289 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R3B SP COND EXT	042F9601.D	042F9602.D	042F9603.D	GC121P077-R.M	NA	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1.23	1.06	ND
R3B SP XAD FH	045F9801.D	045F9802.D	045F9803.D	GC121P077-R.M	7.56	7.56	7.56	0.0	5.12	5.37	5.35	3.1	5.28	1	5.00	26.4	1	26.4	ND
R3B SP XAD BH	046FA001.D	046FA002.D	046FA003.D	GC121P077-R.M	NA	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R3B SP CT FH	047FA101.D	047FA102.D	047FA103.D	GC121P077-R.M	NA	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
R3B SP CT BH	048FA201.D	048FA202.D	048FA203.D	GC121P077-R.M	NA	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
																		26.4	

XAD SP FB	001F5501.D	001F5502.D	001F5503.D	GC121P077-R.M	7.56	7.56	7.56	0.0	4.90	5.00	4.85	1.7	4.92	1	5.00	24.6	1	24.6	
																		26.0	
																		84.6%	

COND FB	005F5901.D	005F5902.D	005F5903.D	GC121P077-R.M	NA	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1.23	1.06	ND
XAD FB	006F6001.D	006F6002.D	006F6003.D	GC121P077-R.M	NA	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
CT FB	009F6301.D	009F6302.D	009F6303.D	GC121P077-R.M	NA	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND

R1B SP COND EXT LD	016F7001.D	016F7002.D	016F7003.D	GC121P077-R.M	NA	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1.23	1.06	ND
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R1B SP XAD FH LD	018F7201.D	018F7202.D	018F7203.D	GC121P077-R.M	7.56	7.56	7.57	0.1	5.23	5.18	5.63	5.3	5.35	1	5.00	26.7	1	26.7	
																		6.7%	

R1B SP CT FH LD	023F7701.D	023F7702.D	023F7703.D	GC121P077-R.M	NA	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
																		% Difference	

COND MB	002F5601.D	002F5602.D	002F5603.D	GC121P077-R.M	NA	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
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XAD MB	003F5701.D	003F5702.D	003F5703.D	GC121P077-R.M	NA	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
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CT MB	004F5801.D	004F5802.D	004F5803.D	GC121P077-R.M	NA	NA	NA	NA	0.173	0.173	0.173	0.0	0.173	1	5.00	0.865	1	0.865	ND
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Client #184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

MDL 0.173 (ug/mL)
LOQ 1.73 (ug/mL)
Compound Cumene

Lower Curve Limit 1.73 (ug/mL)
Upper Curve Limit 289 (ug/mL)

Sample ID	Lab ID #1	Lab ID #2	Lab ID #3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc #1 (ug/mL)	Conc #2 (ug/mL)	Conc #3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
AQ LCS-3	051F5101.D	051F5102.D	051F5103.D	GC121P077-R.M	7.56	7.56	0.0	17.8	17.7	17.9	0.4	17.8	1	5.00	89.0	1	89.0	
Spike Recovery (%)																		
Spike Amount (ug)																		
86.1																		
103%																		

AQ LCS-4	052F5201.D	052F5202.D	052F5203.D	GC121P077-R.M	7.56	7.56	0.0	18.9	17.8	17.6	4.2	18.1	1	5.00	90.5	1	90.5	
Spike Recovery (%)																		
Spike Amount (ug)																		
86.1																		
105%																		

XAD LCS-1	053F5301.D	053F5302.D	053F5303.D	GC121P077-R.M	7.56	7.56	0.0	5.80	5.46	5.42	2.0	5.49	1	5.00	27.5	1	27.5	
Spike Recovery (%)																		
Spike Amount (ug)																		
26.0																		
106%																		

XAD LCS-2	054F5401.D	054F5402.D	054F5403.D	GC121P077-R.M	7.56	7.56	0.0	5.51	5.28	5.33	2.5	5.37	1	5.00	26.9	1	26.9	
Spike Recovery (%)																		
Spike Amount (ug)																		
28.0																		
103%																		

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

MDL 0.240 (ug/mL)
LOQ 2.40 (ug/mL)
Compound Nitrobenzene

Lower Curve Limit 2.40 (ug/mL)
Upper Curve Limit 401 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R1A COND EXT	010F6401.D	010F6402.D	010F6403.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1.23	1.47	ND
R1A XAD FH	011F6501.D	011F6502.D	011F6503.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
R1A XAD BH	012F6601.D	012F6602.D	012F6603.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
R1A CT FH	013F6701.D	013F6702.D	013F6703.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
R1A CT BH	014F6801.D	014F6802.D	014F6803.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
R1B SP COND EXT	015F6901.D	015F6902.D	015F6903.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1.23	1.47	ND
R1B SP XAD FH	017F7101.D	017F7102.D	017F7103.D	GC121P077-R.M	8.71	8.71	0.0	6.01	6.96	7.10	10.1	6.69	1	5.00	33.5	1	33.5	ND
R1B SP XAD BH	021F7501.D	021F7502.D	021F7503.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
R1B SP CT FH	022F7601.D	022F7602.D	022F7603.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
R1B SP CT BH	024F7801.D	024F7802.D	024F7803.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
R2A COND EXT	025F7901.D	025F7902.D	025F7903.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1.23	1.47	ND
R2A XAD FH	026F8001.D	026F8002.D	026F8003.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
R2A XAD BH	027F8101.D	027F8102.D	027F8103.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
R2A CT FH	028F8201.D	028F8202.D	028F8203.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
R2A CT BH	029F8301.D	029F8302.D	029F8303.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
R2B SP COND EXT	030F8401.D	030F8402.D	030F8403.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1.23	1.47	ND
R2B SP XAD FH	033F8701.D	033F8702.D	033F8703.D	GC121P077-R.M	8.71	8.71	0.0	7.87	7.81	7.58	2.4	7.69	1	5.00	38.4	1	38.4	ND
R2B SP XAD BH	034F8801.D	034F8802.D	034F8803.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
R2B SP CT FH	035F8901.D	035F8902.D	035F8903.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
R2B SP CT BH	036F9001.D	036F9002.D	036F9003.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
R3A COND EXT	037F9101.D	037F9102.D	037F9103.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1.23	1.47	ND
R3A XAD FH	038F9201.D	038F9202.D	038F9203.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
R3A XAD BH	039F9301.D	039F9302.D	039F9303.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
R3A CT FH	040F9401.D	040F9402.D	040F9403.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
R3A CT BH	041F9501.D	041F9502.D	041F9503.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND

Client # 184380.0000.0000
Job # 0611-101
Samples 3 Runs, 3 Spikes, Blanks

Company TRC Environmental
Analyst JBB / KMT
Parameters EPA Method 18 Adsorbents

MDL 0.240 (ug/mL)
LOQ 2.40 (ug/mL)
Compound Nitrobenzene

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
R3B SP COND EXT	042F9601.D	042F9602.D	042F9603.D	GC121P077-R.M	8.71	8.71	0.0	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1.23	1.47	ND
R3B SP XAD FH	045F9601.D	045F9602.D	045F9603.D	GC121P077-R.M	8.71	8.71	0.0	6.58	6.93	6.92	3.4	6.81	1	5.00	34.0	1	34.0	ND
R3B SP XAD BH	046FA001.D	046FA002.D	046FA003.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
R3B SP CT FH	047FA101.D	047FA102.D	047FA103.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
R3B SP CT BH	048FA201.D	048FA202.D	048FA203.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
																	34.0	

XAD SP FB	001F5501.D	001F5502.D	001F5503.D	GC121P077-R.M	8.71	8.71	0.0	5.97	6.21	6.03	2.4	6.07	1	5.00	30.3	1	30.3	
																	36.1	
																	84.2%	

COND FB	005F5901.D	005F5902.D	005F5903.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1.23	1.47	ND
XAD FB	006F6001.D	006F6002.D	006F6003.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
CT FB	009F6301.D	009F6302.D	009F6303.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND

R1B SP COND EXT LD	016F7001.D	016F7002.D	016F7003.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1.23	1.47	ND
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R1B SP XAD FH LD	018F7201.D	018F7202.D	018F7203.D	GC121P077-R.M	8.71	8.71	0.1	6.98	6.96	7.33	3.4	7.09	1	5.00	35.5	1	35.5	
																	6.0%	

R1B SP CT FH LD	023F7701.D	023F7702.D	023F7703.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
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COND MB	002F5601.D	002F5602.D	002F5603.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
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XAD MB	003F5701.D	003F5702.D	003F5703.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
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CT MB	004F5801.D	004F5802.D	004F5803.D	GC121P077-R.M	NA	NA	NA	0.240	0.240	0.240	0.0	0.240	1	5.00	1.20	1	1.20	ND
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Client # 184380.0000.0000 Job # 0611-101 # Samples 3 Runs, 3 Spikes, Blanks

Company TRC Environmental Analyst JBB / KMT Parameters EPA Method 18 Adsorbents

MDL 0.240 (ug/mL)
LOQ 2.40 (ug/mL)
Compound Nitrobenzene

Lower Curve Limit 2.40 (ug/mL)
Upper Curve Limit 401 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	Conc # 3 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Aliquot Factor	Sample Catch (ug)	Qual
AQ LCS-3	051F5101.D	051F5102.D	051F5103.D	GC121P077-R.M	8.71	8.71	0.0	24.4	24.0	24.0	1.0	24.1	1	5.00	121	1	121	
																	120	
																	101%	
AQ LCS-4	052F5201.D	052F5202.D	052F5203.D	GC121P077-R.M	8.71	8.71	0.0	25.5	24.0	24.2	3.8	24.6	1	5.00	123	1	123	
																	120	
																	102%	
XAD LCS-1	053F5301.D	053F5302.D	053F5303.D	GC121P077-R.M	8.71	8.71	0.0	7.33	7.15	7.10	1.9	7.19	1	5.00	35.9	1	35.9	
																	36.1	
																	99.7%	
XAD LCS-2	054F5401.D	054F5402.D	054F5403.D	GC121P077-R.M	8.71	8.71	0.0	7.15	6.88	6.89	2.6	6.97	1	5.00	34.9	1	34.9	
																	36.1	
																	96.7%	

Company	TRC Environmental
Analyst	KMT / CLD
Parameters	EPA Method 308

Client #	184380.0000.0000
Job #	0611-101
# Samples	3 Runs, 2 Blanks

MDL 0.158 (ug/mL)
 LOQ 1.58 (ug/mL)
 Compound Methanol

Lower Curve Limit 1.58 (ug/mL)
 Upper Curve Limit 3.161 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Qual
M308 R1 Cond	029F0801.D	029F0802.D	GC120P132.M	NA	NA	NA	0.158	0.158	0.0	0.158	1	43.1	6.81	ND
M308 R1 SG FH	086B1501.D	086B1502.D	GC120P132.M	3.43	NA	NA	0.190	0.158	9.3	0.174	1	5.00	0.871	J
M308 R1 SG BH	088B1701.D	088B1702.D	GC120P132.M	NA	NA	NA	0.158	0.158	0.0	0.158	1	5.00	0.790	ND
													0.871	J

M308 R2 Cond	031F1001.D	031F1002.D	GC120P132.M	NA	NA	NA	0.158	0.158	0.0	0.158	1	43.1	6.81	ND
M308 R2 SG FH	089B1801.D	089B1802.D	GC120P132.M	NA	NA	NA	0.158	0.158	0.0	0.158	1	5.00	0.790	ND
M308 R2 SG BH	090B1901.D	090B1902.D	GC120P132.M	NA	NA	NA	0.158	0.158	0.0	0.158	1	5.00	0.790	ND
													6.81	ND

M308 R3 Cond	032F1101.D	032F1102.D	GC120P132.M	NA	NA	NA	0.158	0.158	0.0	0.158	1	43.1	6.81	ND
M308 R3 SG FH	091B2001.D	091B2002.D	GC120P132.M	NA	NA	NA	0.158	0.158	0.0	0.158	1	5.00	0.790	ND
M308 R3 SG BH	092B2101.D	092B2102.D	GC120P132.M	NA	NA	NA	0.158	0.158	0.0	0.158	1	5.00	0.790	ND
													6.81	ND

M308 Cond FB	033F1201.D	033F1202.D	GC120P132.M	NA	NA	NA	0.158	0.158	0.0	0.158	1	43.1	6.81	ND
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M308 SG FB	093B2201.D	093B2202.D	GC120P132.M	NA	NA	NA	0.158	0.158	0.0	0.158	1	5.00	0.790	ND
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M308 H2O-RB	034F1501.D	034F1502.D	GC120P132.M	NA	NA	NA	0.158	0.158	0.0	0.158	1	1.00	0.158	ND
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M308 SG LB	094B2301.D	094B2302.D	GC120P132.M	3.42	3.42	0.1	0.508	0.475	3.4	0.491	1	5.00	2.46	J
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Company	TRC Environmental
Analyst	KMT / CLD
Parameters	EPA Method 308

Client #	184380.0000.0000
Job #	0611-101
# Samples	3 Runs, 2 Blanks

MDL 0.158 (ug/mL)
 LOQ 1.58 (ug/mL)
 Compound Methanol

Lower Curve Limit 1.58 (ug/mL)
 Upper Curve Limit 3.161 (ug/mL)

Sample ID	Lab ID # 1	Lab ID # 2	Analysis Method	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ug/mL)	Conc # 2 (ug/mL)	% Diff Conc	Avg Conc (ug/mL)	DF	Vol (mL)	Catch Weight (ug)	Qual
M308 SG LCS	095B2401.D	095B2402.D	GC120P132.M	3.41	3.41	0.0	35.8	35.6	0.2	35.7	1	5.00	179	
Spike Amount (ug)													198	
% Difference													90.3%	
M308 R1 Cond-LD	030F0901.D	030F0902.D	GC120P132.M	NA	NA	NA	0.158	0.158	0.0	0.158	1	43.1	6.81	ND
% Difference													NA	
M308 R1 SG FH-LD	087B1601.D	087B1602.D	GC120P132.M	3.42	3.45	0.9	0.262	0.169	21.6	0.216	1	5.00	1.08	J
% Difference													23.8%	

Narrative Summary



Enthalpy Analytical Narrative Summary

Company	TRC Environmental Corporation - Austin
Analyst	STG / MGM
Parameters	EPA Method 18 Bags GC/FID

Client #	184380.0000.0000
Job #	0611-101
# Samples	2

Custody

Lindsey Chatterton received the samples on 7/11/11 after being relinquished by TRC Environmental Corporation of Austin, TX. The samples were received at ambient temperature. The **EM-R2-SRU** bag was received with low volume and the **EM-R3-SRU** bag was received split down the seam with no volume. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, Inc.

Analysis

The samples were analyzed for 1,3-butadiene, acrolein, acetone, pentane, dichloromethane (methylene chloride), hexane, benzene, trichloroethene, toluene, 1,2-dibromoethane, and tetrachloroethene using the analytical procedures in EPA Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography (40 CFR Part 60, Appendix A).

The standards and samples were analyzed following the procedures specified in section 8.2.1, Integrated Bag Sampling and Analysis.

All samples and standards were introduced directly to the column using an automated multi-port Valco gas sampling valve equipped with a stainless steel loop. The target analytes were referenced to certified gas phase standards.

The Agilent Technologies Model 6890, Gas Chromatograph ("Gummo" S/N US00028451) was equipped with a Flame Ionization Detector and a Restek Rtx-1 30 m x 0.32 mm x 4.0 um column (S/N 869999).

QC Notes

As required by section 8.4.2, Recovery Study for Bag Sampling, a recovery study is performed on a bag sample. The bag sample **EM-R1-SRU** was spiked at 5:17 PM on 7/12/11. The recovery efficiency values met the method-required limit of between 70 and 130%, for all compounds with the following exception. A recovery study was not performed for the compounds 1,2-Dibromomethane, pentane, and tetrachloroethane. The recovery efficiency values are used to adjust the results following equation 18-7 from section 12.8 .

All sample preparation and analytical holding times specified in the method were met.



Enthalpy Analytical Narrative Summary (continued)

Reporting Notes

These analytical results are reported on a wet basis. The user of this report should determine the % moisture in the sample and correct the reported value to ppmvd as appropriate.

These analyses met the requirements of the NELAC Standard. Any deviations from the requirements of the reference method or NELAC Standard have been previously noted in the report narrative.

The results presented in this report are representative of the samples as provided to the laboratory.



Enthalpy Analytical Narrative Summary

Company	TRC Environmental Corporation - Austin	Client #	184380.0000.0000
Analyst	KMT	Job #	0611-101
Parameters	EPA Method 18-type Bags GC/FPD	# Samples	2

Custody

Lindsey Chatterton received the samples on 7/11/11 after being relinquished by TRC Environmental Corporation of Austin, TX. The samples were received at ambient temperature. The **EM-R2-SRU** bag was received with low volume and the **EM-R3-SRU** bag was received split down the seam with no volume. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, Inc.

Analysis

The samples were analyzed for carbon disulfide using the analytical procedures in EPA Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography (40 CFR Part 60, Appendix A).

All samples and standards were introduced directly to the column using an automated multi-port Valco gas sampling valve equipped with a stainless steel loop. Carbon disulfide was referenced to gas phase standards prepared using certified permeation devices.

The Hewlett Packard Model 5890, Series II Plus Gas Chromatograph "Zeppo" (S/N 3235A4448X) was equipped with a Flame Photometric Detector and a Restek Rtx-1 60 m x 0.53 mm x 5.0 um (S/N 663119) column.

QC Notes

A recovery study was not performed and the results were not adjusted.

The post calibration curve was used to process the samples.

Reporting Notes

These analytical results are reported on a wet basis. The user of this report should determine the percent moisture in the sample and correct the reported value to ppmvd as appropriate.

The results presented in this report are representative of the samples as provided to the laboratory.



Enthalpy Analytical Narrative Summary

Company	TRC Environmental Corporation - Austin
Analyst	STG / MGM
Parameters	EPA Method 18 Bags

Client #	184380.0000.0000
Job #	0611-101
# Samples	2

Custody

Lindsey Chatterton received the samples on 7/11/11 after being relinquished by TRC Environmental Corporation of Austin, TX. The samples were received at ambient temperature. The **EM-R2-SRU** bag was received with low volume and the **EM-R3-SRU** bag was received split down the seam with no volume. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, Inc.

Analysis

The samples were analyzed for methane and ethane using the analytical procedures in EPA Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography (40 CFR Part 60, Appendix A).

The standards and samples were analyzed following the procedures specified in section 8.2.1, Integrated Bag Sampling and Analysis.

All samples and standards were introduced directly to the column using an automated multi-port Valco gas sampling valve equipped with a stainless steel loop. Methane and ethane were referenced to certified gas phase standards.

The Agilent Technologies Model 6890, Gas Chromatograph ("Gummo" S/N US00028451) was equipped with a Flame Ionization Detector and a Restek Rtx-1 30 m x 0.32 mm x 4.0 um column (S/N 869999).

QC Notes

As required by section 8.4.2, Recovery Study for Bag Sampling, a recovery study is performed on a bag sample. The bag sample **EM-R1-SRU** was spiked at 11:00 AM on 7/20/11. A baseline analysis was performed on the bag prior to spiking. The recovery efficiency values meet the method-required limit of between 70 and 130%. The recovery efficiency values are used to adjust the results following equation 18-7 from section 12.8 .

All sample preparation and analytical holding times specified in the method were met.



Enthalpy Analytical Narrative Summary (continued)

Reporting Notes

These analytical results are reported on a wet basis. The user of this report should determine the % moisture in the sample and correct the reported value to ppmvd as appropriate.

These analyses met the requirements of the NELAC Standard. Any deviations from the requirements of the reference method or NELAC Standard have been previously noted in the report narrative.

The results presented in this report are representative of the samples as provided to the laboratory.



Enthalpy Analytical Narrative Summary

Company	TRC Environmental Corporation - Austin
Analyst	JBB / KMT
Parameters	EPA Method 18 Adsorbents

Client #	184380.0000.0000
Job #	0611-101
# Samples	3 Runs, 3 Spikes, Blanks

Custody

Lindsey Chatterton received the samples on 7/11/11 after being relinquished by TRC Environmental Corporation of Austin, TX. The samples were received at 23.6°C in good condition. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, Inc.

Analysis

The samples were analyzed for acetonitrile, acrylonitrile, methyl t-butyl ether (MTBE), 2-nitropropane, 2,2,4-trimethylpentane (isooctane), methyl isobutyl ketone (MIBK), chlorobenzene, ethylbenzene, m/p-xylene, styrene, o-xylene, cumene, and nitrobenzene using the analytical procedures in EPA Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography (40 CFR Part 60, Appendix A).

The standards and samples were analyzed following the procedures specified in section 8.2.4, Adsorption Tube Procedure.

The condensate volumes were measured and an 8 mL aliquot was removed and archived. The remaining sample was extracted by adding 5 mL of carbon disulfide to the sample and shaking by hand for one minute. The carbon disulfide layer was analyzed for all of the analytes while the raffinate (aqueous layer) was analyzed for acetonitrile, acrylonitrile, and 2-nitropropane only. The results were adjusted for the aliquot by using an aliquot factor.

The SKC XAD-4 (Cat# 226-175) tube was desorbed in two fractions, front half (FH) and back half (BH). The SKC Charcoal (Cat# 226-16) tube was desorbed in two fractions, front half (FH) and back half (BH). Each of the fractions were desorbed using 5 mL of carbon disulfide and shaken at 500 rpm for 30 minutes.

For the non-raffinate analyses, the Hewlett Packard Model 6890, Gas Chromatograph ("Lucy" S/N US00039147) was equipped with a Flame Ionization Detector and a Restek Rtx-1 30m x 0.32mm x 4.0um column (S/N 450928).



Enthalpy Analytical Narrative Summary (continued)

Analysis (continued)

For the raffinate analyses, the Hewlett Packard Model 5890, Series II Gas Chromatograph ("Penn" S/N 2750A17269) was equipped with a Flame Ionization Detector and a Restek Stabilwax 30m x 0.53mm x 2.0um column (S/N 808560).

QC Notes

A recovery study was performed but the results are presented as measured and are not adjusted.

The analytes were not identified above the MDL in the analyses of the method blanks.

Laboratory Duplicate (LD) analyses were performed using aliquots of the samples *RIB SP Cond Ext*, *RIB SP XAD*, *RIB SP CT*, and *RIB SP Cond Raff*. The LD and initial results differed by less than 11% when the analyte was identified above the MDL.

The analyses of the lab CT and XAD blanks and the client aqueous and XAD blanks did not identify analytes at concentrations greater than the MDL.

Prior to sample collection, seven XAD-4 tube spikes were spiked with the analysts of interest; five were shipped to the client. The spike solution and two spikes were retained by the lab for use in preparing Laboratory Control Samples (LCS). The spike recovery values are presented in the Results section of this report. The two XAD-4 LCS were analyzed with the samples. The recovery values ranged from 95.1% to 106%.

The XAD Field Blank Spiked tube recovery values ranged from 84.2% to 96.9%.

QC Notes (continued)

Prior to sample collection, seven aqueous solutions were spiked with acetonitrile and acrylonitrile; five were shipped to the client. The spike solution and two spikes were retained by the lab for use in preparing Laboratory Control Samples (LCS). The spike recovery values are presented in the Results section of this report. The two aqueous LCS were analyzed with the samples. The recovery values were 88.6% and 84.6% for acetonitrile and 76.0% and 65.3% for acrylonitrile.

All sample preparation and analytical holding times specified in the method were met.



Enthalpy Analytical Narrative Summary

(continued)

Reporting Notes

The raffinates were only analyzed for acetonitrile, acrylonitrile, and 2-nitropropane. The extract, tube, and raffinate catches were summed.

The m- and p- xylene isomers are inseparable and indistinguishable with the equipment and conditions used for this project. These two isomers have virtually identical responses. Therefore the instrument was calibrated using p-xylene. Any results shown are accurate representations of the total of m-xylene and p-xylene present in the sample, though specifics about these two individual isomers cannot be given.

These analyses met the requirements of the NELAC Standard. Any deviations from the requirements of the reference method or NELAC Standard have been previously noted in the report narrative.

The results presented in this report are representative of the samples as provided to the laboratory.



Enthalpy Analytical Narrative Summary

Company	TRC Environmental Corporation - Austin
Analyst	KMT
Parameters	EPA Method 308

Client #	184380.0000.0000
Job #	0611-101
# Samples	3 Runs, 2 Blanks

Custody

Lindsey Chatterton received the samples on 7/11/11 after being relinquished by TRC Environmental Corporation of Austin, TX. The samples were received at 23.6°C in good condition. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, Inc.

Analysis

The samples were analyzed for methanol using the analytical procedures in EPA Method 308, Procedure for Determination of Methanol Emission from Stationary Sources (40 CFR Part 63, Appendix A).

The samples were analyzed following the procedures in Section 11.0 Analytical Procedures.

The SKC Silica Gel (Cat# 226-22) tube was desorbed in two fractions, front half (FH) and back half (BH). Each of the fractions were desorbed using 5 mL of a 3% n-propanol in deionized water solution and shaken at 500 rpm for 30 minutes.

The Hewlett Packard Model 5890, Series II Gas Chromatograph ("Penn" S/N 2750A17269) was equipped with two Flame Ionization Detectors and two Restek Stabilwax 30m x 0.53mm x 2.0 um columns (S/N 810087 and S/N 808560).

QC Notes

Methanol was not identified above the LOQ in the analyses of the method blanks and client blank.

A Laboratory Control Sample (LCS) was prepared and analyzed with the samples. The recovery value was 90.3%.

Laboratory Duplicate (LD) samples were prepared using aliquots of the samples *M308 RI Cond* and *M308 RI SG FH*. Methanol was not identified above the LOQ in the analyses.

All sample preparation and analytical holding times specified in the method were met.

Reporting Notes

These analyses met the requirements of the NELAC Standard. Any deviations from the requirements of the reference method and/or the NELAC Standard have been previously noted in this narrative. The results presented in this report are representative of the samples as provided to the laboratory.



General Reporting Notes

The following are general reporting notes that are applicable to all Enthalpy Analytical, Inc. data reports, unless specifically noted otherwise.

- The acronym **MDL** represents the Minimum Detection Limit. Below this value the laboratory cannot determine the presence of the analyte of interest reliably.
- The acronym **LOQ** represents the Limit of Quantification. Below this value the laboratory cannot quantitate the analyte of interest within the criteria of the method.
- The acronym **ND** following a value indicates a non-detect or analytical result below the MDL.
- The letter **J** following a value indicates an analytical result between the MDL and the LOQ. A J flag indicates that the laboratory can positively identify the analyte of interest as present, but the value should be considered an estimate.
- The letter **E** following a value indicates an analytical result exceeding 100% of the highest calibration point. The associated value should be considered as an estimate.
- The acronym **DF** represents Dilution Factor. This number represents dilution of the sample during the preparation and/or analysis process. The analytical result taken from a laboratory instrument is multiplied by the DF to determine the final undiluted sample results.
- The addition of **MS** to the Sample ID represents a Matrix Spike. An aliquot of an actual sample is spiked with a known amount of analyte so that a percent recovery value can be determined. This shows what effect the sample matrix may have on the target analyte, i.e. whether or not anything in the sample matrix interferes with the analysis of the analyte(s).
- The addition of **MSD** to the Sample ID represents a Matrix Spike Duplicate. Prepared in the same manner as an MS, the use of duplicate matrix spikes allows further confirmation of laboratory quality by showing the consistency of results gained by performing the same steps multiple times.
- The addition of **LD** to the Sample ID represents a Laboratory Duplicate. The analyst prepares an additional aliquot of sample for testing and the results of the duplicate analysis are compared to the initial result. The result should have a difference value of within 10% of the initial result (if the results of the original analysis are greater than the LOQ).
- The addition of **AD** to the Sample ID represents an Alternate Dilution. The analyst prepares an additional aliquot at a different dilution factor (usually double the initial factor). This analysis helps confirm that no additional compound is present and coeluting or sharing absorbance with the analyte of interest, as they would have a different response/absorbance than the analyte of interest.
- The Sample ID **LCS** represents a Laboratory Control Sample. Clean matrix, similar to the client sample matrix, prepared and analyzed by the laboratory using the same reagents, spiking standards and procedures used for the client samples. The LCS is used to assess the control of the laboratory's analytical system. Whenever spikes are prepared for our client projects, two extra spikes are prepared. The extras (randomly chosen) are labeled with the associated project number and kept in-house at the appropriate temperature conditions. When the project samples are received for analysis, the LCSs are analyzed to confirm that the analyte could be recovered from the media, separate from the samples which were used on the project and which may have been affected by source matrix, sample collection and/or sample transport.



General Reporting Notes

(continued)

- **Significant Figures:** Where the reported value is much greater than unity (1.00) in the units expressed, the number is rounded to a whole number of units, rather than to 3 significant figures. For example, a value of 10,456.45 ug catch is rounded to 10,456 ug. There are five significant digits displayed, but no confidence should be placed on more than two significant digits.
- **Manual Integration:** The data systems used for processing will flag manually integrated peaks with an "M". There are several reasons a peak may be manually integrated. These reasons will be identified by the following two letter designations. The peak was *not integrated* by the software "NI", the peak was *integrated incorrectly* by the software "II" or the *wrong peak* was integrated by the software "WP". These codes will accompany the analyst's manual integration stamp placed next to the compound name.



Sample Custody



CHAIN OF CUSTODY RECORD

Project Name: Exxon Mobil SR4 ICE Test			Matrix		Analysis												Comments	
Sample Code	Sampled Date	Container Size	Aqueous	Organic Solvent	Acidic	Basic	Other	Trace Metals*	Mercury	Hexavalent Chromium	HCl	PCDD/PCDF	Semi-Volatile Organics	Volatile Organics	Physical Parameters*	Methane/Ethane		
EM-R1-BAG-SRL	7/7/2011	10L bag															tedlar bags	
EM-R2-BAG-SRL	7/8/2011	↓															↓	
EM-R3-BAG-SRL	↓	↓															↓	
by split receipt into 7/11/11																		
EM-R1-SG-SRL	7/7/2011	NA															condensate/sg	
EM-R2-SG-SRL	7/8/2011	↓															↓	
EM-R3-SG-SRL	↓	↓															↓	
EM-BLANK-SG-SRL	↓	↓															cond/XAD/Carbon tube	
EM-R1A-XAD-SRL	7/7/2011	NA															↓	
EM-R1B-XAD-SRL	↓	↓															↓	
EM-R2A-XAD-SRL	7/7/2011	↓															↓	
EM-R2B-XAD-SRL	↓	↓															↓	
EM-R3A-XAD-SRL	↓	↓															↓	
EM-R3B-XAD-SRL	↓	↓															↓	
EM-BLANKA-XAD-SRL	↓	↓															spiked XAD tube	
EM-BLANKB-XAD-SRL	↓	↓															↓	
Relinquished by: <i>hjk</i>			Date/Time: 7/9/2011	1000	Relinquished by:													Date/Time:
Received by: <i>hjk</i>			Date/Time: 7/11/11	1106 am	Received by:													Date/Time:
REMARKS (*): Temp = 23.6° Anytek Gen #1 Bag Temp = ambient																		

**This Is The Last Page
Of This Report.**

